



## YEARLY STATUS REPORT - 2020-2021

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	ACS College of Engineering
• Name of the Head of the institution	Dr. M.S Murali
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone no./Alternate phone no.	08029749988
• Mobile No:	9900028024
• Registered e-mail	principal@acsce.edu.in
• Alternate e-mail	principal.acsce@gmail.com
• Address	207, Kambipura, Mysore road
• City/Town	Bangalore
• State/UT	Karnataka
• Pin Code	560074
<b>2.Institutional status</b>	
• Affiliated / Constitution Colleges	
• Type of Institution	Co-education
• Location	Urban
• Financial Status	Self-financing

• Name of the Affiliating University	Visvesvaraya Technological University, Belagavi				
• Name of the IQAC Coordinator	Dr Selvanandan				
• Phone No.	08028437956				
• Alternate phone No.	080 2974 8222				
• Mobile	8884451258				
• IQAC e-mail address	selvanandan@gmail.com				
• Alternate e-mail address	qualitycell@acsce.edu.in				
<b>3. Website address (Web link of the AQAR (Previous Academic Year))</b>	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/08/NAAC-%E2%80%93-AQAR-%E2%80%93-2019-20.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/08/NAAC-%E2%80%93-AQAR-%E2%80%93-2019-20.pdf</a>				
<b>4. Whether Academic Calendar prepared during the year?</b>	Yes				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://www.acsce.edu.in/naac-cycle-2/">https://www.acsce.edu.in/naac-cycle-2/</a>				
<b>5. Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.10	2016	02/12/2016	01/12/2021
<b>6. Date of Establishment of IQAC</b>			06/04/2015		
<b>7. Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,</b>					
Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
Dr .G .Ramanan (AE)	Students Research Projects	Karnataka State Council Science and technology	2020-21, 6 Months	6000/-	
Dr .A .K .Sarkar (AE)	Industry sponsored Projects	DRDO, Ministry of Defence,	2020-21, 1 Year	9,64,390/-	

		Govt of India		
Dr. P. Theerthamala i and Dr. R. Mukesh(AS)	Conceptual Aerodynamic Design of Expendable attack UAV	ADE, Bangalore	2020-21, 1 Year	958990/-
Dr ANITHA .S(BME)	IOT BASED UNIT FOR COPD TREATMENT	KSCST	2021, 6 Months	5000/-
HEMANTH KUMAR G(BME)	PAIN RELIEF DEVICE FOR THE TREATMENT OF MIGRAINE	KSCST	2021, 6 Months	5000/-
NANDITHA KRISHNA (BME)	PILLBOT: A NON CONTACT MEDICINE DISPENSING ROBOT FOR PATIENTS IN QUARANTINE	KSCST	2021, 6 Months	5000/-
Dr ANITHA .S(BME)	IOT BASED UNIT FOR COPD TREATMENT	VTU	2021, 6 Months	5000/-
NANDITHA KRISHNA (BME)	PILLBOT: A NON CONTACT MEDICINE DISPENSING ROBOT FOR PATIENTS IN QUARANTINE	VTU	2021, 6 Months	5000/-
Mrs.Poonam Kumari(CSE)	Students Research Projects (other than compulsory by the College)	KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY	2021, 6 Months	2500/-

Kavya G(CSE)	Students Research Projects (other than compulsory by the College)	VTU,Belagavi	2020-21, 6 Months	5000/-
Dr H.B.Bhuvanewari(ECE)	Short Term Training Programme (STTP) under AQIS ON INDUTRY 4.0	AICTE, New Delhi-110070	2019-2020 (executed from october -december 2020),6 Months	3,96,667/-
Dr H.B.Bhuvanewari(ECE)	Industrial Boiler monitoring using IOT	VTU,Belagavi	2020-21, 6 Months	5000 (approved)
Harish(ECE)	social distancing Detection and monitoring using YOLO-V3	VTU,Belagavi	2020-21.6 Months	5000 (approved)
Prof. SUNIL RAJ B A(MECH)	KCST, Student Project Scheme	KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY 44th Series of Student Project Programme: 2020-21	2020-2021,6 Months	7000/-

<b>8. Whether composition of IQAC as per latest NAAC guidelines</b>	Yes
<ul style="list-style-type: none"> <li>Upload latest notification of formation of IQAC</li> </ul>	<a href="#">View File</a>
<b>9.No. of IQAC meetings held during the year</b>	12

<ul style="list-style-type: none"> <li>• Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?</li> </ul>	<p><b>Yes</b></p>	
<ul style="list-style-type: none"> <li>• If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	<p>No File Uploaded</p>	
<p><b>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b></p>	<p><b>No</b></p>	
<ul style="list-style-type: none"> <li>• If yes, mention the amount</li> </ul>		
<p><b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b></p>		
<p>IQAC continuously reviews the quality of the teaching learning process at the end of each semester in accordance with the academic calendar to ensure all the academic processes are carried out regularly.</p>		
<p>The institution has active innovation cell (Pongu Ventures) a Business incubator to promote entrepreneurship skills. Center for Test and Data Sciences (CTDS), an interdisciplinary center to establish better collaboration between academia and industries.</p>		
<p>The faculty of the institution upgrades their knowledge through NPTEL course certifications. The management encourages the faculty by reimbursing the registration fee paid after getting the certification from NPTEL or any other. MoUs with prestigious Institutes, Universities, Govt. agencies</p>		
<p>Automation of Admission Processes - Provision for online fee payment</p>		
<p>Curriculum Development Workshops in many subjects, Green initiatives in Campus - tree plantation</p>		
<p><b>12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year</b></p>		
Empty space for the plan of action and outcome		

Plan of Action	Achievements/Outcomes
To promote entrepreneurship and innovation through skill development	ACS College of Engineering secured 3.5 star rating in the IIC annual performance rating.
Intensive training for preparing students for competitive examinations	24 Career counselling and competitive examination training programs were conducted and 1000 students were benefited. 21 students were qualified in competitive examinations in 2020-2021..
Organize more community service activities to contribute to the wellness of the society Institute is planning to organize more community service activities to contribute to the wellness of the society	During the academic year, 20 extension and outreach activities were organized with the participation of 953 students.and ACSCE secured 6 awards from Government/Non-Government bodies.
Continuous interaction between technical institution and industry is an essential requirement to enhance an employability of engineering graduates.	Institution has 18 functional MoU's with leading Industries and organizations to promote industry-academia collaboration
To motivate the faculty for minor major research projects to provide more infrastructural facilities.	Amount received by Faculty members for research activities from various Government /Non-Government bodies is INR. 44 Lakh during 2020-2021
To organize campus interview for placement of students frequently in the college campus by industries, companies banks, etc.	In 2020-2021, Total number of students placed :140, Total number of students gone for higher studies :21
<b>13. Whether the AQAR was placed before statutory body?</b>	Yes
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>	

Name	Date of meeting(s)
Governing council	14/03/2022
<b>14. Whether institutional data submitted to AISHE</b>	
Year	Date of Submission
2020	08/01/2020
<b>15. Multidisciplinary / interdisciplinary</b>	
<b>16. Academic bank of credits (ABC):</b>	
<b>17. Skill development:</b>	
<b>18. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)</b>	
<b>19. Focus on Outcome based education (OBE): Focus on Outcome based education (OBE):</b>	
<b>20. Distance education/online education:</b>	

### Extended Profile

#### 1. Programme

1.1 416

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

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

#### 2. Student

2.1 1309

Number of students during the year

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

2.2 124

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

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

2.3 314

Number of outgoing/ final year students during the year

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

### 3.Academic

3.1 157

Number of full time teachers during the year

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

3.2 157

Number of Sanctioned posts during the year

<b>Extended Profile</b>	
<b>1.Programme</b>	
1.1 Number of courses offered by the institution across all programs during the year	416
File Description	Documents
Data Template	<a href="#">View File</a>
<b>2.Student</b>	
2.1 Number of students during the year	1309
File Description	Documents
Data Template	<a href="#">View File</a>
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	124
File Description	Documents
Data Template	<a href="#">View File</a>
2.3 Number of outgoing/ final year students during the year	314
File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1 Number of full time teachers during the year	157
File Description	Documents
Data Template	<a href="#">View File</a>

3.2	157
Number of Sanctioned posts during the year	
File Description	Documents
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	47
Total number of Classrooms and Seminar halls	
4.2	453.85
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	618
Total number of computers on campus for academic purposes	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curricular Planning and Implementation

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

ACS College of Engineering is affiliated to the Visvesvaraya Technological University (VTU). The curriculum and the syllabus are defined by VTU for each course of the program, teaching hours and the evaluation methods. The institution conform well-planned procedure for implementing an efficient delivery of academic knowledge based on the curriculum set by the university. The University revises the curriculum and syllabus frequently to ensure that the topics of emerging / changing national and global trends are covered. The suggestions transmitted through the HOD's of our Institute to the University board of studies for necessary revision or comments.

The institution implements the curricular and co-curricular activities based on an academic calendar which gives a time bound activity plan for implementing various academic processes. Each department of the institution implements the departmental academic calendar which contains various activities such as internal

assessments, value added courses, seminars/webinars and industrial visits based on the curriculum of the each semester. It also gives a guideline for the co curricular activity such as sports day and cultural fest of the institution. The departments further implement the timetable as per the semester requirements of the university syllabus. A detailed lesson plan is implemented by the individual staff members in their teacher's diary for the effective delivery of the syllabus. The institution well maintains the document as per the university procedures in the each department and office of the principal pertaining to the timetable, course file, calendar of events, HoDs minutes and the report of the various activities conducted.

Subsequently, the next step is the process of defining the Course Outcomes (COs) for every course and the mapping with the Program Outcomes (POs) as defined by NBA and the Program Specific Outcomes (PSOs) as defined by the program. The institution ensured that the CO-PO mapping of the various courses of the curriculum is such that every PO is addressed.

In general, the following action plans are implemented.

- 1) Curriculum prescribed by the university is meticulously followed and is designed as per outcome based education.
- 2) The scheme, subjects are allotted to the faculty based on their specialization and experience by the Head of the departments well in advance and they are requested to submit the detailed course plan including the course outcome, its mapping with the program outcome, assessment schedule, assignment schedule and examination questions.
- 3) Predefined institutional and academic calendar are provided to the faculty and students.
- 4) Timetable is prepared and published well in advance. It also includes add on courses, seminars, workshops etc
- 5) The institution in regular basis conducts formative assessments to understand the leaning levels of the students, and to take measures to strengthen the same.
- 6) The implementation of the curriculum is monitored through various means of meetings with Heads of the Departments, and the Principal at regular intervals. Apart from this, attainment of all the POs, PSOs and COs are discussed in HoD's meeting and IQAC

Meeting to frame action items for the continual improvement of the elements of Outcome Based Education (OBE).

File Description	Documents
Upload relevant supporting document	<a href="#">View File</a>
Link for Additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/1.1.1%20Plan%20for%20curriculum%20Delivery.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/1.1.1%20Plan%20for%20curriculum%20Delivery.pdf</a>

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

The institution prepares the academic calendar in accordance with the Visvesvaraya Technological University calendar of events which includes the working days, holidays, internal assessments dates, practical exam dates, schedule of workshops, seminars, industrial visit, sports day, cultural day and the last working days of the semester and submitted to the principal for the approval of the Management. The academic calendar of the institution is well planned and the same is displayed in the notice boards for the benefits of the students. The institution conducts internal assessments based on the procedure and regulations of VTU and as per the schedule of the academic calendar. The following deliberate the compliance of Continuous Internal Evaluation with Academic Calendar: Academic Calendar: Principal's meeting with HODs and Faculty is conducted at the beginning of each semester. Regular meetings of HOD with members of the faculty are conducted to develop academic plans based on the number of available days. Class and Lab Time Table: Time Table Coordinator of each department prepares the time table as per the guidelines of VTU for the number of credit hours for each subject and the academic calendar prior to the beginning of the semester. Time Table is displayed on notice boards of every department. As far as laboratory classes as concerned, lab manuals are prepared for each laboratory and distributed to the students.

Course Files and Lecture Plan: Each member of the faculty maintains the lesson plan and course file which are reviewed by the respective HOD and the Principal. Mentors ensure good attendance and class performance. Specific teaching strategies aids such as assignment, class test, quiz, group discussions etc are conducted which supports for the effective delivery and the betterment performance of the students throughout the semester.

Industrial visits/Educational tours are conducted every year according to the syllabus of the course. Internal Examination: The internal tests are conducted generally after every 30 working days to monitor the progress of the students. Three internal assessments are conducted for each semester. The QP of Internal exam is prepared by faculties and is approved by the HoDs. The internal examination is evaluated with unbiased and transparent. In addition to the regular subject classes, the institution also organizes special lectures, workshops and seminars by inviting experts from various fields to share their knowledge and experiences with the students. Academic Monitoring: The HoD of the each department monitors on course coverage, student attendance and assignment for every subject. After each internal examination, results and the performance are discussed in class committees and department meetings to evaluate and remedial measures are then initiated to raise their academic performance. Parents are informed about the performance of students by phone, email etc., and parent- teacher meetings are convened during each semester. Student Feedback: At the academic end of each semester students submit the feedback for each subject through online feedback forms. In case of unseen conditions, academic calendar is modified and revised as per the instructions of the Principal only.

File Description	Documents
Upload relevant supporting documents	<a href="#">View File</a>
Link for Additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/1.1.2%20DVV.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/1.1.2%20DVV.pdf</a>

**1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University**

A. All of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>1.2 - Academic Flexibility</b>	
<b>1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented</b>	
<b>1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented</b>	
10	
File Description	Documents
Any additional information	<a href="#">View File</a>
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>
<b>1.2.2 - Number of Add on /Certificate programs offered during the year</b>	
<b>1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)</b>	
33	
File Description	Documents
Any additional information	No File Uploaded
Brochure or any other document relating to Add on /Certificate programs	No File Uploaded
List of Add on /Certificate programs (Data Template )	<a href="#">View File</a>
<b>1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year</b>	
76	
<b>1.2.3.1 - Number of students enrolled in subject related Certificate or Add-on programs during the year</b>	

1000	
File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View File</a>
<b>1.3 - Curriculum Enrichment</b>	
1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	
<p>The institution integrates the crosscutting issues of the society like Moral Values, Human Values, Professional Ethics, Ethical Values, Gender Equality, Environmental Awareness, which are inseparable part of the curriculum framed by the affiliating university VTU. Orientation / Induction program for the first year is organized as an integral part of the curriculum which related to values and ethics For instance, Environmental Awareness (18CIV59) is a mandatory subject for all students enrolled in the Bachelor of Engineering programme which unless and until students pass this course, their final grades are not awarded. Environmental issues are deliberated in depth in the classroom as part of a regular course called "Environmental Studies," which is taught in the classroom. There are chapters on topics such as the scope and nature of environmental science, natural resources, the eco-system, biodiversity, pollution, social and population issues included in the above-mentioned subject matter. The contemporary issue of environmental consciousness has been comprehensively handled by the institution, and sustainable development is given a great deal of attention in the curriculum and Solid Waste Management' by Civil Engg.; Green Computing by Computer Science Engg. and Information Science Engg. The curriculum includes various courses to address Professional Ethics and Human values. For instance, Constitution of India &amp; Professional Ethics is included to get equipped in the awareness and adhere to human values as well as professional ethics in their respective fields of study.</p> <p>These curriculums provide free environment for inculcating values and developing ethical competence among the students. It is in response to a long- felt and urgent need to integrate value education with decision making skills in their personal, social and professional life. Various departments of the institution</p>	

organize talks on Human Values, with a particular emphasis on Gender Equality, Women's Empowerment, and Skill Development so its builds a better character and be a great part of the student's life to achieve great thing in the future. The teaching fraternities of the institution include the students in a variety of activities including Expert lectures, National Service Schemes, and National Community Colleges programmes towards community services. The institution celebrates days of National and International importance as Republic day, Women's day, Independence Day, Teacher`s day, Human Right Day, International Yoga Day etc. These celebrations nurture the moral, ethical and social values in the students. The institution has Grievance Redressal Cell to provide counseling to students, promote gender equity among students and also deal with related issues of safety and security of female students, staff and faculty. The institution campus is secured with CCTV and security. There are separate Boys and Girls hostel for providing the safe environment to all students. Till today, there have been no significant incidents of ragging or complaints from students concerning their harassment. As a result, the institution has made particular arrangements to address concerns like as gender equality, the environment, and other social challenges that are closely related.

File Description	Documents
Any additional information	<a href="#">View File</a>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum	<a href="#">View File</a>

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

32

File Description	Documents
Any additional information	No File Uploaded
Programme / Curriculum/ Syllabus of the courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	No File Uploaded
Number of courses that include experiential learning through project work/field work/internship (Data Template)	<a href="#">View File</a>

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

664

File Description	Documents
Any additional information	No File Uploaded
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	<a href="#">View File</a>

### 1.4 - Feedback System

**1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni**

A. All of the above

File Description	Documents
URL for stakeholder feedback report	<a href="#">View File</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View File</a>
Any additional information(Upload)	No File Uploaded

**1.4.2 - Feedback process of the Institution may be classified as follows**

A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	<a href="#">View File</a>
URL for feedback report	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/1.4%20Feedback%20System.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/1.4%20Feedback%20System.pdf</a>

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

#### 2.1.1 - Enrolment Number Number of students admitted during the year

##### 2.1.1.1 - Number of sanctioned seats during the year

618

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

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

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

104

File Description	Documents
Any additional information	No File Uploaded
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

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

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

The institution has a well-structured counseling / mentoring system to assess the learning levels of the student through the Induction / Orientation program organized by the institution for the fresher students. The institution analysis the student's learning ability in the initial stage based on class XII scores and the entrance test. Subsequent year, academic performance, level of attention, involvement in debates, and mid-semester evaluations are adopted to make further judgments in later years of their studies. The Students are considered as Slow learners if they score marks below 50% of the total CIE marks, Assignment marks, and Semester End Examinations. The Students who have obtained marks more than 75% are considered as Advanced Learners. Mentors' observations play a vital role which gives the supplement of the individual observations of the student's.

The institution also orients the students the specific attributes that are expected of them apart from highlighting the various aspects of the institution:

**Bridge Courses:** For the students joining under the lateral entry system (diploma holders joining the second-year engineering course), the institution offers special coaching, bridge programmes and peer guidance in especially for Mathematics.

**Remedial Classes:** are conducted with an aim to improve the academic performance of the slow learners.

**Classes for Arrear Students:**The faculty identifies the Arrear

students after the results obtained from University on the basis of performance. The mentors motivate the students to perform better. Extra coaching classes are provided by the concerned faculty members to enhance their academic performance.

**Advanced Learners:** are encouraged to participate and present papers in various Seminars/ Conferences/ Workshops/ Inter Collegiate Competitions. They are encouraged to participate in various inter collegiate co-curricular activities such as debates, Problem Solving, design competitions etc. Meritorious students from every semester in the respective departments are provided along with a certificate of merit. They are also encouraged to participate in a wide range of activities through student clubs/forums.

The Institution provides an opportunity for faculty to innovate in the TLP of the course and through on campus activities beyond curriculum, to encourage E-learning. For instance: E- Shikshana from VTU, NPTEL Swayam courses, Blended MOOCs with IIT, Open Ended Experiments in Lab courses, Value Added Programmes, Projects for Community Service by AICTE activity points, Live Lecture Programmes (IITM), Student project Exhibition and Awards for best student projects, Facilitating Internships during the semester breaks, Project Based Learning, Innovation labs, Interdepartmental student projects, aim to motivate students to take up all types of Competitive Exams to encourage and guide students to pursue higher studies after their graduation and avenues available for them.

**Slow Learners:** The slow learners are identified based on performance during CIE (Continuous Internal Evaluation), assignments/tutorials and performance in the SEE (Semester End Examination). Special program in the form of remedial classes is arranged to improve the performance in the courses. The faculty advisory system (Mentoring) is introduced to help and motivate the students to improve their overall academic performance. The departmental Committee which constitutes HOD, and senior Professors also provides advice on academic matters.

File Description	Documents
Link for additional Information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/12/c2/2.2.1_supporting%20documents.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/12/c2/2.2.1_supporting%20documents.pdf</a>
Upload any additional information	No File Uploaded

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

Number of Students	Number of Teachers
1309	157

File Description	Documents
Any additional information	No File Uploaded

### 2.3 - Teaching- Learning Process

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

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

One of the major strength of our college is the teaching and learning process. Students receive a right blend of traditional and modern methods to make learning student centric and to give a rewarding experience. Experimental learning, participative learning and problem solving methodologies are adopted to ensure the overall development of students.

#### 1. Experiential Learning

1.1 Students are encouraged to take up project work involving latest technologies and use of latest software. Different problems are investigated to a reasonable level by the final year students under the guidance of project guides, within the time frame of the University.

1.2 For Real time exposure students are encouraged to participate in inter-collegiate and statelevel paper presentation and other

competitions.

1.3 Field visits and Surveys are arranged in academically significant areas.

1.4 Industrial visits are organized to academically significant industries to provide exposure to industrial work culture.

1.5 Guest lecture by eminent experts from industry and academics are organized to supplement the teaching process and provide experiential learning.

## 2. Participative Learning

2.1 Students are encouraged to participate in professional societal activities like IEEE, ISTE, IETE, etc.,

2.2 The college organizes activities to promote(i) the spirit of Team work through NSS camps,(ii) social responsibility through Red Cross, village Adoption, Tree plantation, Swatchh Bharat and Health awareness camp, to help the students learn to lead life as a team for Social and community welfare.

2.3 Students are encouraged to take MOOCs (Massive Open Online Courses) offered by premier institutions of the country. They include online lectures, demonstration and interaction through web sessions.

2.4 Lab work and workshops are conducted as individual and group work under the supervision of the faculty members.

## 3. Problem solving Methodology

3.1 To develop logical thinking and practical knowledge among the students, case study method is adopted in teaching learning process. This will enhance problem solving ability.

3.2. All questions in the internal tests are based on analysis and reasoning. Free internet access in the library and WI-FI facilities in campus promotes the habit of self-learning and discussion.

3.3 Assignments and Quizzes are given at the end of each unit.

3.4 Students are involved in the Research activities, product design and development conducted in each Department under the guidance of research scholars, to get knowledge about emerging area and help them to develop research orientation.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/12/c2/2.3.1_Experiential%20Learning.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/12/c2/2.3.1_Experiential%20Learning.pdf</a>

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

#### 2.3.2 TEACHERS USE ICT ENABLED TOOLS FOR EFFECTIVE TEACHING-LEARNING PROCESS:

ACSCE, has adequate resources which include wide availability of computers in Engineering departments and library, high speed internet access, ICT enabled class rooms, smart classrooms. General ICT awareness among students and faculty members is good and all the faculty members are capable of using the ICT very effectively. The faculty members use various ICT enabled tools to enhance the quality of teaching-learning like,

1. Google classroom is used to manage and post course related information- learning material, quizzes, lab submissions and evaluations, assignments, etc.
2. Virtual labs are used to conduct labs through simulations.
3. Online drawing tools like concept maps, mind maps, are used to perform student centric activities.
4. The PPTs are enabled with animations and simulations to improve the effectiveness of the teaching- learning process.
5. The online learning environments are designed to train students in open problem-solving activity.
6. Lab manuals are mailed to students well in advance the experiment is performed.
7. Online quizzes and polls are regularly conducted to record the feedback of the students.
8. To teach mathematical subjects in online mode, teachers have used various online tools like- whiteboard in Microsoft teams, Jamboard in Google meet, etc

ICT tools complete the traditional teaching - learning methods, and institution encourages innovative methods for enriching the learning experience.

ICT enables teaching-learning process is supported with regular practical sessions, access digital library, online courses (MOOC, NPTEL, etc.), online journals, online test, use of LCD projectors for seminars and workshops, productive use of educational videos.

ICT has helped to improve the communication skills of the students and thereby acquire proficiency in listening, speaking, reading and writing skills.

ICT Tools and Resources available:

Google Sites - Google Docs, Google Sheets, Google Slides, Google Drawings, Google Forms, and Google Keep, Google Classroom, Plickers, Screencast-o-matic, thinklink,

E-Resources and Techniques Used:

NPTEL, Library e-book / Journal, Springer online e-Journal, ASME online e-Journals, ProQuest, Edx.org.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/12/c2/2.3.2_ICT%20tool.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/12/c2/2.3.2_ICT%20tool.pdf</a>

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

**2.3.3.1 - Number of mentors**

83

File Description	Documents
Upload, number of students enrolled and full time teachers on roll.	<a href="#">View File</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View File</a>
mentor/mentee ratio	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

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

157

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>

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

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

38

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

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

#### 2.4.3.1 - Total experience of full-time teachers

541

File Description	Documents
Any additional information	<a href="#">View File</a>
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

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

### Response:

The institution will follow the norms stipulated in the Continuous Internal Evaluation Procedure of VTU as on prevailing date. The rules and regulations governing the assessment and evaluation process are conveyed to the students through copies of the syllabus that are delivered to them at the beginning of the first year of their degree course in which they are enrolled. The internal assessment is carried out in a systematic manner for theory courses, laboratory courses, seminars, summer internship and project. The academic calendar is prepared by the faculty in advance and approved by Principal pertaining to internal assessment will be communicated to students at the commencement of the semester. Faculty IA coordinator of the concerned department will prepare the Timetable, Circular, arrangement of seats and Invigilator schedule for the Internal Test. As per the Test Timetable dates schedules, room allocation will be displayed on the Notice board (Classroom & Department). After the internal Test conducted the faculty will discuss the scheme, solutions and the evaluated answer scripts will be distributed in the class. Sessional result is discussed at HoD Level and a comparative evaluation of student's performance is carried out on the internal assessment marks to prepare and guide the students for better performance in the University external examinations. As per the guidelines of the University, three Assignments mandatory but for any improvement of the marks the student shall be given additional assignment for each subject and accordingly marks will be awarded. All the Internal Assessment Test Marks conducted will be communicated to the parents through ACS College ERP Software. The Institution also conducts a student feedback process of every semester to improve Teaching, Infrastructure, and the learning experience for the students during their tenure. The Student's

feedback is considered as a valuable source of information to measure their level of satisfaction. Parents are invited at least once in a semester to discuss the progress of their wards. This is in addition to the regular monitoring of the student's progress by their faculty mentors. The faculty mentor regularly interacts with the assigned students to monitor and improve the progress of each student and the same is communicated to the parents.

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/12/c2/2.5.1updated%20merged.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/12/c2/2.5.1updated%20merged.pdf</a>

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

Each department has an examination coordinators and non teaching staff to conduct smooth condition of internal examination. Comprising of a senior faculty member as Deputy Chief Superintendent (internal), other teaching and non teaching staff are constituted to conduct the external University examination smoothly. The institution adheres strictly the guidelines and rules by the VTU while conducting the internal and external examination. As per the VTU regulations, the student should score 60% marks in Examination, 40% marks in Internal Test conducted by the institution for theory and Laboratory. The Test marks will be communicated to students and parents through ERP by college.

If any marks discrepancies, the students shall contact the respective faculty member and rectify accordingly. Interacting with mentors: The faculty member serves as a mentor to between 15 and 20 students at a time. Once a month, the mentors get together for a mentoring meeting. There is a weekly M/L/S term (Mentoring/Library/Seminar) that has its own timetable that is assigned to each student. As a result, the students meet with their mentor and have the opportunity to express their concerns. and their feedback is given to the department's chairperson for consideration. Class Committee Meetings Class committee meetings are held three times per semester, and they are attended by the chairperson, the theory and laboratory teachers, and students representing more than 10% of the class as well as other students. This meeting is entirely focused on the needs of the students and encourage to submit complaints to the chairperson

and other members of the committee. Suggestion Box Suggestion Boxes are distributed throughout the institute at each departmental location. Students can place clues in the box in the shape of letters. Principals and heads of departments might conduct routine audits to ensure that the same is being followed. Parental minutes The parents of the student meet with the teacher and the department's head to discuss their child's progress. Student grievances are then forwarded to higher authorities by way of their parents or guardians. Students and parents should be aware of the telephone number of the department's head of department. During the Principal meeting, all grievances of any of the types listed above are collected and discussed in detail. The recommendations made by the members of the assembly are reviewed; corrective solutions are debated and desired, with the goal of transferring them to management in the same way. Following this conversation, appropriate action will be done starting the following day or at the next event, depending on the demand, to meet the needs of the participants.

#### University Level

The grievances in the University examination question paper, syllabus coverage etc. will be taken care and communicated to the university through the Head of the Institution. Students request photocopies of graded response scripts and submit an application to the university for revaluation of the end-of-semester examination.. Students can request a revaluation of their answer scripts after they have received their answers and have them evaluated by a teacher

File Description	Documents
Any additional information	<a href="#">View File</a>
Link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/12/c2/2.5.2%20updated.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/12/c2/2.5.2%20updated.pdf</a>

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Teachers and students are aware of the stated Programme and course outcomes of the Programmes offered by the institution.

All the departments of the institution adopts the Programme outcome (PO) defined by National Board of Accreditation (NBA), New Delhi and are to be fulfilled by all the programs in higher education. Hence, the Program Specific outcomes are defined by

each department and are in lined with the vision and mission of the institution and department as well as the graduate attributes. The CourseOutcomes (COs) for each subject is well defined in the syllabus or defined by concernedfaculty member in consultation with senior faculty teaching the same subject and HoD.The POs, PEOs, and PSOs and COs are available on Institutionwebsite and are also communicatedto students, teachers and other staff by displaying at following places:

\Institution

Website (www.acsce.edu.in)

Classrooms Laboratories

Department Notice Board

HOD Chamber Department Library

Department Newsletter

Laboratory Manuals. Course Outcomes(CO's) of the course in the respective program are published in Course Delivery Plan  
Respective

Class rooms IA Test paper Course materials Admission Brochures

The COs is circulated to students through faculty announcements duringthe commencement of each semester and from time to time during the entire duration of the semester Course Outcomes (COs) are defined for every course, and are statements that describe the competenciesgained by the student through the course. Every CO is aligned to one or more POs, and is measured at theend of the course, through various assessments, designed specifically to effectively measure the CO andcontribute to the PO that it is mapped to. The number of COs for a course is not fixed, and may have aboutsix COs. When COs are well defined, the CO-PO mapping becomes redundant,as one can map the CO to the PO through comprehending the essence of the CO. However, the strength ofthe mapping is dependent on the course instructor and this component, necessitates the need to have theCO-PO mapping together with its strength. Syllabus:All courses of the curriculum have well defined COs, the CO-PO mapping with its strength and is includedin the syllabus. The hardcopy of the syllabus is made available to every student.

**Website:** The syllabus of all programs offered by the department is uploaded on the institutional website, which includes the COs of various courses of the curriculum.

**Course handout:** The course handouts for every program includes Vision-Mission, PEOs, POs, PSOs of the Program offered by the department and COs of various courses of the Curriculum

**Library:** Institute's central library keeps all the POs, PSOs and COs for easy access to students and faculty through the syllabus books of various programs.

**Lab Manual:** All POs, PSOs and COs of specific lab course are printed on lab manuals and issued to all students at the commencement of every semester.

**Course Files:** All the faculty members will prepare a course file for each semester that lists the POs, PSOs and COs.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/12/c2/2.6.1.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/12/c2/2.6.1.pdf</a>
Upload COs for all courses (exemplars from Glossary)	<a href="#">View File</a>

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

**COs attainment:** Attainment of course outcomes for each course is measured based on the following assessment process:

**Step 1:** The faculty uses the course outcomes of the respective course available in the course in the evaluation scheme, else prepared by respective faculty, and verified by the respective HoDs. **Step 2:** As the percentage of marks (related to each COs) asked in university exam (external exam) and internal exam, the average weightage percent of each CO is measured as an average of external/internal exams for further calculation of direct attainment. **Step 3:** Weightage of external and internal examinations marks were distributed based on total marks as per the university curriculum. The class average in respective (External and Internal) examinations was used for further calculation of CO attainment. **Step 4:** The Attainment level of CO is measured through

syllabus by Direct Assessment Process (DAP) with weightage of (80%) and Indirect Assessment Process (IAP) with weightage of (20%). The DAP is measured into two assessment processes, namely Internal Assessment (IA) with weightage of 30% and External Examination with weightage of 70%. In IA, the assessment tools are Internal Assessment Test (IAT) and Assignment. The weightage of these tools are segregated and recorded by the faculty who handsthesubject. In Indirect Assessment process, the University Semester End Examination and course end survey is used as an assessment tool. The Departments have developed the curriculum taking all the POs into consideration and assuring that thecurriculum strongly maps to all the POs. The PSOs are also appropriately framed along with thecurriculum development. The COs are framed as the abilities of the student after completing the course. The framed COs are thenmapped with the POs and the PSOs. During the CO-PO/PSO mapping, the strength of mapping is alsoconsidered. Internal Assessment is conducted as per the university academic schedule and student'sperformance of marks is recorded. At the end of course, course end survey is taken from the respective course students and the values are recorded. The student's performance of the university exam is recorded. In IAT, attainment is measured in terms of actual percentage of students getting the percentage of marks, which is set for the respective courses. In university exam, attainment is measured in terms of actual percentage of studentsgetting pass marks, fixed by the university. The CO target level is initialized based on previous university exam results of the respective courses. If the target value is attained, the value for next batch is increased by 0.1 from attained value to maximum level of 3. If not, the same value is maintained for the next year

At the end of the programme, the POs/PSOs are computed using the CO computation value of all the Costhat are mapped to a PO/PSO and through Exit Survey. The PO/PSO computation are done using the weighted average of all the COs that are mapped to thatPO/PSO. The Exit survey questions are framed by the department to indirectly measure the POs/PSOs.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for Additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/12/c2/2.6.2.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/12/c2/2.6.2.pdf</a>

**2.6.3 - Pass percentage of Students during the year****2.6.3.1 - Total number of final year students who passed the university examination during the year**

148

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/12/c2/2.6.3.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/12/c2/2.6.3.pdf</a>

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

<https://www.acsce.edu.in/acsce/wp-content/uploads/2021/08/students-satisfactory-survey-2020-21.pdf>

**RESEARCH, INNOVATIONS AND EXTENSION****3.1 - Resource Mobilization for Research****3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)****3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)**

44.96047

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	<a href="#">View File</a>
List of endowments / projects with details of grants(Data Template)	<a href="#">View File</a>

**3.1.2 - Number of departments having Research projects funded by government and non government agencies during the year****3.1.2.1 - Number of departments having Research projects funded by government and non-government agencies during the year**

7

File Description	Documents
List of research projects and funding details (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
Supporting document from Funding Agency	<a href="#">View File</a>
Paste link to funding agency website	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/3.1.1-Funding-Agency-Link.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/3.1.1-Funding-Agency-Link.pdf</a>

**3.1.3 - Number of Seminars/conferences/workshops conducted by the institution during the year****3.1.3.1 - Total number of Seminars/conferences/workshops conducted by the institution during the year**

92

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	<a href="#">View File</a>

**3.2 - Research Publications and Awards****3.2.1 - Number of papers published per teacher in the Journals notified on UGC website during the year****3.2.1.1 - Number of research papers in the Journals notified on UGC website during the year**

53

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	<a href="#">View File</a>

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

#### 3.2.2.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings during the year

35

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	<a href="#">View File</a>

### 3.3 - Extension Activities

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

In line with the vision and mission, the institution is very insightful to the effect of various extension activities on its students, employees, as well as on the regional community and the environment. The institution considers in giving back to the neighborhood community. The various social and technical activities organized by the institution reflect our commitment to operate in a techno-social responsible way. The institution frequently organizes and participates in various extension activities with the aim to sensitize about various social issues to the students and strengthen in contributing to the community. The institution under NSS Unit carries out these activities. NSS was started in the year 2016 which has been recognized by VTU, organizes several activities in the institution. Various activities like Blood donation camp, Plantation of trees, Cleanliness of the surrounding areas of the institution, COVID-19-Vaccination Drive, Special camp, Ecosystem Restoration, Swachh Bharat Abhiyana and Say No to Crackers etc. During pandemic, our institution has conducted few awareness programs nearby government school for children to keep themselves safe and neat by explaining about 3 magic words

"SANITISEMASK SOCIAL DISTANCING". Students of the institution actively participated in the activities in NSS; the students were made to realize the importance of cleanliness, pollution control, saving of water etc. These could be made as their internship projects subjects. Students could also educate their family with respect to the above fields. The impact of COVID on students was the realization of the technology in education system. The National Voter's Day was absorbed in the college which gave awareness to the students, the right to vote, whom to vote, why to vote etc., as the youths are the future leaders of the nation. In Aeronautical Engineering the extension activities such as skill training on modern testing equipments for supporting staff, basic RC plane aero modelling training for school students, Internship and job training at reputed industries. Through Internship and Job training our students are getting benefited practical skills, experience and greater knowledge of an industry, in exchange for the employer benefiting from the industry. This will help students to aware real-life experience of the workplace and holistic development. The institution motivates the faculty members and students to participate in need-based, participatory initiatives with local communities, and that category from health, sanitation, education, women's empowerment etc. The institution also promotes regular engagement of faculty members, students and staff with neighborhood community for their and sustained community development through various activities. The impact and sensitization are as exposure to extension and outreach activities sensitize the students towards social issues and also to legal and social remedies for various matters. The activities conducted imbibe the values of social responsibility such as to help people in need and distress, to promote cleanliness in all span of life and common places, to acquire social values and a deep interest in environmental related issues, to understand societal/rural problems and provide solutions through projects and to develop lifelong skills such as communication, management, leadership, analytical and perceptual etc.

File Description	Documents
Paste link for additional information	<a href="https://www.acsce.edu.in/institutions-innovation-council-iic/">https://www.acsce.edu.in/institutions-innovation-council-iic/</a>
Upload any additional information	No File Uploaded

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

**3.3.2.1 - Total number of awards and recognition received for extension activities from Government/ government recognized bodies during the year**

6

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year(Data Template)	<a href="#">View File</a>
e-copy of the award letters	No File Uploaded

**3.3.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year****3.3.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

20

File Description	Documents
Reports of the event organized	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the last year (Data Template)	<a href="#">View File</a>

**3.3.4 - Number of students participating in extension activities at 3.3.3. above during the year****3.3.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year**

953

File Description	Documents
Report of the event	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	<a href="#">View File</a>

### 3.4 - Collaboration

**3.4.1 - The Institution has several collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research etc during the year**

79

File Description	Documents
e-copies of linkage related Document	<a href="#">View File</a>
Details of linkages with institutions/industries for internship (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4.2 - Number of functional MoUs with national and international institutions, universities, industries, corporate houses etc. during the year**

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

18

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	No File Uploaded
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

ACS College of Engineering has adequate infrastructural facilities for effective teaching-learning process, extra-curricular and co-curricular activities to fulfill the norms laid by the AICTE, VTU and Government of Karnataka. The institution is located in a beautiful lush green landscape, free from polluted environment and excellent atmosphere and ambience ideally suited for growth of the soul & mind. The existing infrastructure facilities are enhanced based on the requirements of students and faculty member to support for their teaching learning process, research and development activities

The institution physical infrastructure consists of 38 classrooms, 42 laboratories, smart classrooms, 05 seminar halls, rest rooms and 12 common rooms. Subsequently, the institution has supporting academic and administrative rooms. The institution has adequate ventilated classrooms and illumination, and is equipped with ICT tools like portable projector, internet connectivity. Each department has well equipped Laboratories, Seminar halls and Department Library. The existing physical infrastructure is preferably utilize beyond regular institute hours, to co/extra-curricular activities, campus recruitments, meetings, seminar, conferences etc. Each faculty of the institution have well-furnished separate cabins with the optimistic ambience for interaction with the students who come for guidance, counseling and discussions.

The institution has laboratories in accordance with the AICTE norms and VTU curriculum. ACSCE has 42 laboratories with state of art laboratory equipment. The labs are well equipped with safety norms with list of experiments details. Labs are used by the students beyond the working hours for doing their projects. Also the institution has established UC Berkeley and Intel intelligent System laboratory to bridge the gap between industry and academics.

The management consistently interacts with the stakeholders to improve the infrastructure facilities. Apart from the books available in the library, students can also access online E-resources such as digital library to widen their knowledge and skills. The students can refer the Project report maintained at

Library for further reference and other development usage. All the classrooms, smart classrooms and seminar halls are well equipped with ICT facilities. Computer laboratories are installed with licensed software as well open source software. The student computer ratios are maintained in accordance with AICTE. The institution is equipped with Wi-Fi, hot spots and Internet facility with a bandwidth of 100 Mbps.

The institution has Innovative cell, an Incubation centers aim at training the students in various advanced technologies. The institute also has Research & Development (R&D), Start up and Entrepreneurship development centers (EDC). ACSCE has separate hostel for boys and girls in the campus. The institutional Placement and Training cell has adequate infrastructure to conduct various activities with regard to the training and placement for the students.

ERP software of the institution is deployed for effective automation of academic and administrative process used in the institution, to maintain and analyse the data related to various process of the institution.

For the physical disabled students, the institution has ramp, wheel chair, lift and washroom with necessary facilities.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/4.1.1%20%204.3.2Physical%20Facilities.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/4.1.1%20 %204.3.2Physical%20Facilities.pdf</a>

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

The Management has constantly encouraged and supported for the co-curricular and extracurricular activities of the institution. The institution has also carried forward the bequest of society by supporting the co-curricular and extracurricular at their level. The institution aims to create that every student to become model citizens of the nation not only in academically fit but also

physically fit to face the challenges of the real world.

In this aspect, the institution has following outdoor and indoor sports and cultural facilities:

- The institution has a vast playground facility inclusive of cricket ground, volleyball ground, football ground, basketball ground etc.
- Well established Indoor games courts and halls to promote the sports and yoga classes activities.
- Well-equipped auditorium to conduct the cultural events

The institution encourages and allows the students to participate in the competitions at University, State, Intra colligate sports and cultural competitions. The students who represent the institution in various sports and cultural events the management provides with necessary materials and paid TA / DA. The student's achievements are acknowledged by felicitating in the institute level functions.

The institution also conducts events such as Chairman Trophy Tournaments, inter colligate sports and cultural competitions. The institute prepares separate budget for organization of various sports and cultural events. RRMCH supports the students and staffs for any medical emergency and provides ambulance / vehicle available for the medical emergency.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/4.1.2%20ther%20facilities.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/4.1.2%20ther%20facilities.pdf</a>

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

42

**4.1.3.1 - Number of classrooms and seminar halls with ICT facilities**

42

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/4.1.3.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/4.1.3.pdf</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

127.67

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	No File Uploaded
Upload Details of budget allocation, excluding salary during the year (Data Template)	<a href="#">View File</a>

**4.2 - Library as a Learning Resource****4.2.1 - Library is automated using Integrated Library Management System (ILMS)**

ACS College of Engineering using the New Gen Lib 3.0 from 2011. Library is partially automated with the System for Library management system (LMS) having version of 3.0. Library collection can be track / searched on Intranet using the modules. It helps for cataloged the books borrowed, document searchers on various fields like Author, Title, Year of Publication, Publisher, patrons and many more.

An ILS usually comprises a relational database, software to

interact with that database, and two graphical user interfaces (patrons & staff). Most of the ILS/LMSs software functions into discrete programs called modules, each of them integrated with a unified interface. Those are; Acquisitions (ordering, receiving, and invoicing materials), Technical Processing or Cataloguing (classifying and indexing of materials), Circulation (lending materials to patrons and receiving back), Serial Management (Journals), MIS Reports (Backend Reports), OPAC (Online Public Access Catalog/Public User Interface) and Administration/Library Management.

Management System as a "software system that enables users to define, create, maintain and control access to the database". The core functionality of management system is the storage, retrieval and update of data. Management systems functions & service such as Data storage, retrieval and update, User accessible catalog or data dictionary describing the metadata, Support for transactions and concurrency, Facilities for recovering the database should it become damaged, Access support from remote locations, enforcing constraints to ensure data in the database abides by certain rules. The features of the ILS software are functional modules are completely web based. Uses Java Web Start™ Technology. The Compatibility - Complies with international metadata and interoperability standards: MARC-21, MARC-XML, z39.50, SRU/W, OAI-PMH, uses chiefly open source components, scalable, manageable and efficient, OS independent - Windows and Linux flavours available, Z39.50 Client for federated searching, Internationalized application (11 8N), Unicode 4.0 complaint, Easily extensible to support other languages, Data entry, storage, retrieval in any (Unicode 3.0) language, RFID integration: Book Tags, Gate Antennas, Work Station, Handheld Reader, Self-KIOSK., Networking - Hierarchical and Distributed networks.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional Information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/4.2.1%20LMS.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/4.2.1%20LMS.pdf</a>

**4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources**

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership etc (Data Template)	<a href="#">View File</a>

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

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

14.88

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

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

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

87

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	<a href="#">View File</a>

### 4.3 - IT Infrastructure

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

At the present era, digital communication plays a vital role in the teaching learning process. ACS College of Engineering accomplish the norms of the AICTE and University, the institution has very well equipped IT infrastructure. The institution facilities such as Internet Facilities through leased line and Wi-

Fi for providing continuous and uninterrupted internet connectivity to students and faculty members. These facilities are available to faculty members and students for research, academic and consultancy support. The classrooms are well equipped with the LCD projectors and Wi-Fi connectivity. The campus has been surveillance with CCTV cameras installed in the strategic places. The entire campus including Boys and Girls hostel is Wi-Fi enabled and students can access the internet on their laptops round the clock. In each department there is a smart class room which is utilized for edusat classes as per the given timetable by EDUSAT. All laboratories are very well equipped with updated systems. The institute has massive network of 618 computers with 100 Mbps fiber optic internet connectivity along with standby 20 Mbps backup link and Wi-Fi facility with public and private connectivity. Centralized firewall "Mikrotik Router" is used for internet security and "Radius Manager" used for network monitoring and management. All the laboratories on each floor contains 24 port 10/100 L2 switch. All floors and computer laboratories are connected in Star topology and 100 Mbps bandwidth is shared in LAN. Uninterrupted power supply (UPS) is available in all computer laboratories. Latest copyrighted software for system software such as windows 10 and Application Software such as Oracle 9i, Turbo C, Microsoft Office, Stadd Pro, SQLCAL, K7 and Microsoft applications. Open Source software system software such as Ubuntu 14.04 LTS and Application Software such as Anaconda 19, ANSYS CFD, MATLAB, GIS, AutoCAD, Solid edge, Catia and Android Studio are available in laboratories. The institution has language lab to enhance the English communication skills of students. Language lab software comprises of the interactive instructor and student module, lesson composer and integrated study material. The institution uses zoom and Microsoft team's software for conduction of online classes and meetings. Enterprise Resource Planning (ERP) of the institution is utilized for effective academic planning, execution, monitoring and analysis. ERP software is utilized for automation of academic and administrative processes by the institution, to maintain and analyze the data related to various process of the institution. This ERP software has numerous modules and facilitates computerized processes for student's admission, leave management, attendance and academic monitoring, student's feedback etc. The institution has sufficient servers available for smooth conduction of various activities such as online examination, webinars, online workshops, virtual lab, hosting copyrighted software etc. The faculties are provided with computers with internet connection at their respective places. The institution has centralized maintenance system to support the IT infrastructure, campus facilities and equipment's. All the IT

facilities are intermittently updated, Details of Auditorium, Camera, PAS, Digital Display Board, ERP & Website invoice are uploaded.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/4.3.1%20DVV.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/4.3.1%20DVV.pdf</a>

#### 4.3.2 - Number of Computers

618

File Description	Documents
Upload any additional information	No File Uploaded
Student – computer ratio	No File Uploaded

#### 4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

File Description	Documents
Upload any additional Information	No File Uploaded
Details of available bandwidth of internet connection in the Institution	No File Uploaded

#### 4.4 - Maintenance of Campus Infrastructure

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

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

285.19

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts.	No File Uploaded
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View File</a>

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

The institution has the Estate officer with a team of members and Block In-Charges monitor the maintenance and cleanliness of the buildings, classrooms, laboratories, furniture, sports ground, sports facilities, student's amenity areas, canteen and hostel buildings.

The Common Utilities maintenance schedule is given below:

S. No.

Name Of Common Utility

Proposed Maintenance Schedule

Department

In-charge

Electrical Maintenance

1.

Air Conditioner

3 Months

Mechanical

2.

Audio Amplifier / Speaker / Cable

Monthly

ECE

3.

Intercom

Monthly

AERO

4.

UPS / Invertor / Battery

3 Months

CSE/Electrician

5.

Fan / Light / Switch Board

Monthly

Electrician

6.

LIFT / Elevator

Monthly

CIVIL

7.

Lab - Distilled Water Unit

Monthly

AEROSPACE

8.

Black Board / Chalk Stand

6 Months

BME

9.

Water Purifier Unit

Monthly

Electrician

Furniture Maintenance

10.

Windows / Doors / Window Screen

Monthly

Block In-Charge

11.

Class Room Dias

3 Months

Block In-Charge

12.

Drawing Table / Steel Stools

6 Months

Block In-Charge

13.

Desk / Table / Chairs

6 Months

Block In-Charge

14.

Wooden Box / First Aid Box/Keyboard Stand

6 months

Block In-Charge

15.

S type Chairs / Rolling Chair

6 Months

Block In-Charge

16.

Rest Room Tap / Wash Basin /Lab Water Tap

Monthly

Block In-Charge

17.

Hydraulic Door Stopper

Monthly

Block In-Charge

18.

Normal Door Stopper

Monthly

Block In-Charge

IT Maintenance

19.

CCTV Camera

Fortnight

CSE

20.

Laptop / Desktop / OS / Printer and Antivirus Checking

3 Months

CSE

21.

Projector / Screen

Monthly

ECE

Infrastructure Maintenance

22.

Floor Cleaning / Dust Bin

Daily

Department

23.

Lab Cupboard / Steel Bureau Drawer

6 Months

Department

24.

Notice Board Locks

6 Months

Department

25.

Wall clock

Monthly

Department

26.

Floor Tiles

6 Months

Estate Officer

27.

Fire Extinguisher

6 Months

Estate Officer

28.

Window Screen(Wash)

6 Months

Estate Officer

29.

Reading Table, System Table, Book Shelves Cleaning

Weekly

Librarian

30.

RO Plant

Daily

Estate Officer

31.

Class Room Cleaning

3 Days Once

Department

32.

Lab Cleaning

Weekly

Department

33.

First Aid Box

Monthly

Estate Officer

34.

Medical Facility

Monthly

Estate Officer

35.

Differently Abled Facility

3 Months

Estate Officer

Maintenance Schedule of Common Utilities Maintenance of  
Classrooms, Furniture and Laboratories

The institution classrooms with furniture, teaching aids and laboratories are given incharge by the respective department staff and technical staff and supervised by the Respective block In-charge. Respective block In-charge report to Head of the department and then to the estate officer and then to the Administrative officer periodically for all the maintenance works.

#### Maintenance of library

The institution and the librarian ensures Orderly stacking of books in the library and effectively support team for easy accessioning of books. The library staffs are clearly instructed in the care and handling of library documents. Books movements register and student's entry register is maintained using the software. Books needs to be borrowed using their own identity card. The institutional library rules for issue of books to the under-graduate student is 3 books and 5 books for post-Graduate student with borrowing period of 15 days, if any renewal is requested by the staff or student is allowed, if there is no demand for the same book, from other readers. Any late submission of books, a minimum overdue charge collected from the students.

#### Maintenance of Electrical Appliances

The institution has three Electricians who extend their service to all the departments to ensure optimal utilization of electrical appliances. Notified problems are reported to respective in-charge of common utilities and same will be reported to Administrative Officer through HoD. Administrative officer supervises with electricians for rectification.

#### Maintenance of Computers, Internet and Networking Facilities

The institution has System Administrator and support team to ensure the maintenance of ICT facilities including computers and servers, internet and networking. The maintenance includes the required software installation, antivirus and Campus Wi-Fi facility. A maintenance register is maintained by each computer centre and respective laboratories. Any issues related to Computers, Servers, Printers, Networking and System security identified by students/Lab Technicians are reported to system administrator through HOD, and the support team will rectify the issues.

### Maintenance of Lab Equipment

The respective Staff In charge and Lab Technicians of the respective department are given responsibility to maintain the equipment. Stock registers, maintained by the respective laboratories to report entries and defects arising for rectification. Repair if any, are reported to the Head of Department or the faculty-in charge and suitable measures are taken for speedy functioning of the equipment.

Any equipment's required for major service is informed to company, in case it is under warranty. If warranty void, the service quotations are prepared by respective lab in-charge and submitted to administrative officer for further approval of renewal.

### Maintenance of Sports and Games Facility

Sports facilities provided by the institution: The institution owns a football ground, Basket ball court, Volley ball court. Sports grounds are maintained frequently by ground staff under the supervision of Physical Educational director.

The institution also shares the Cricket ground with RRMCH and the ground is maintained by Karnataka State Cricket academy (KSCA). Seasonal maintenance of all equipment and ground are carried out regularly by the Physical Education director. Gymnasium and playgrounds are maintained by the staff of the Department of Physical Education. Any equipment's required for major service is informed to company, in case it is under warranty. If warranty void, the service quotations are prepared by respective Physical Education director and submitted to administrative officer for further approval and sanctioning.

Maintenance of Transport Facility: Estate officer is the In-Charge for all the buses and other vehicles of the institution. In case of any maintenance, it is reported to administrative officer for further approval and sanctioning of fund.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/4.4.2.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/4.4.2.pdf</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

##### 5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

738

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	<a href="#">View File</a>

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

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

37

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

<b>5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills</b>	<b>A. All of the above</b>
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File Description	Documents
Link to institutional website	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/5.1.3.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/5.1.3.pdf</a>
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View File</a>

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

1000

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

1000

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

<b>5.1.5 - The Institution has a transparent</b>	<b>A. All of the above</b>
--	----------------------------

**mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees**

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>

## 5.2 - Student Progression

### 5.2.1 - Number of placement of outgoing students during the year

#### 5.2.1.1 - Number of outgoing students placed during the year

140

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

#### 5.2.2.1 - Number of outgoing student progression to higher education

10

File Description	Documents
Upload supporting data for student/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of student progression to higher education	<a href="#">View File</a>

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

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

13

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

**5.3 - Student Participation and Activities**

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

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

3

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	No File Uploaded
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	<a href="#">View File</a>

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

At the commencement of the semester, the institution has a practice of identifying class representatives for each class and nominates them to the student council. The members from this council are adopted for different administrative bodies. The council is responsible for conduct of many activities in the campus including curricular, co-curricular and extracurricular activities. The activities of the council would be supported by the participation of all the faculty members. The management of the institution meets the required funding for conduct of such events.

The events and functions organized by various committees under the Student Council as follows:

1. Students Council: The institution adhere the norms laid by the competent authority for the Constitution of the Student council committee and this council established every year for performing prescribed duties.
2. Anti-Ragging committee: This committee ensures that zero ragging incidents in the institution and spread awareness among students against any ragging activities through displaying pamphlets of anti-ragging, observation anti ragging in the campus including hostel.
3. Cultural committee: Conducting cultural events, facilitating student participation in other institutions at state/interstate level.
4. Sports: This committee conducts sports events, facilitating student participation in other institutions at state/interstate level.
5. Student Welfare committee: This committee encompasses facilities that promote the physical, mental and social wellbeing of pupils and students.
6. Professional/NSS committee: Conducting ISTE sponsored programmes, to give a personality boost with the help of selfless social work with student personality.
7. Magazine committee: The committee initiate action plan to publish from ACSCE.
8. Grievances redressal committee: The committee aims to look into the complaints lodged by any student and redress it as per requirement. The committee will adopt the policy guidelines as envisaged in AICTE, UGC, VTU and Government of

Karnataka as applicable from time to time

9. Sexual Harassment Elimination committee : The committee assures all the complaints of the students, teaching and non-teaching staffs are treated with dignity and respect and the complaints should be maintained confidential

File Description	Documents
Paste link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/5.3.2%20Writeup.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/5.3.2%20Writeup.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

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

2

File Description	Documents
Report of the event	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	<a href="#">View File</a>

### 5.4 - Alumni Engagement

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

The Alumni Association of the institution was established in the academic year 2014-15, registered under Jayanagar under Karnataka Society Registration Act on Friday 26th September 2014 and registration ID: JNR-S222-2014-15. An alumni association is an association of graduates.

ACS College of Engineering Alumni Association makes the professional structure, which helps the alumni to get associated

with each other. This worldwide stage of alumni association acts as a platform for all the alumni members by establishing their inner talents as well as by extending the helping hands with each other. Thus, it paves the way to establish, enrich and enhance the skills of every alumni member throughout their lifetime. Provide a variety of benefits and services that help alumni maintain connections to their educational institution and fellow graduates. The purpose of an association is to foster a spirit of loyalty and to promote the general welfare of our organization.

The Alumni association exists to support the institution by sharing their valuable views and ideas on emerging trends, demands of concerned field and their feedback is invaluable indeed. The alumni's contributes in many ways for the development and improvement of the institution. The institution and the students are benefited in various capacities such as students placement, training, expert lectures, career guidance sessions, Industrial visits and mentors. The institution conducts alumni meets every year for the engagement of alumni. The institution aims to develop perpetual relations with the alumni, which in turn will give growth to mutual benefits.

The alumni meets and the events are published in the website

File Description	Documents
Paste link for additional information	<a href="https://www.acsce.edu.in/alumni/">https://www.acsce.edu.in/alumni/</a>
Upload any additional information	<a href="#">View File</a>

**5.4.2 - Alumni contribution during the year (INR in Lakhs)**      A. ? 5Lakhs

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

**GOVERNANCE, LEADERSHIP AND MANAGEMENT**

**6.1 - Institutional Vision and Leadership**

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

**VISION:** -

Engineering the future of the nation by transforming the students to be technically skilled managers, innovative leaders and environmentally receptive citizens.

**Mission: -**

To implement holistic approach in curriculum and pedagogy through Industry Integrated Interactions to meet the needs of Global Engineering Environment.

To develop students with knowledge, attitude and skill of employability, entrepreneurship (Be Job creators than job seekers), research potential and professionally ethical citizens.

**Description: -**

The institute is committed to impart quality technical education in order to empower the youth and women and aims to be a global Institution through continual improvement. The institute is well reputed with a mix of academic faculty, industry / practitioners faculty and research faculty, consistent up gradation of lab equipment's, a wide range of reference books and online e-journals, special efforts to develop communication skills, technical skills and research ability of students. The multifarious projects are undertaken to address and resolve social problems related to health, education, environmental protection, water conservation etc. Various stakeholders such as parents, students, Alumni, Industries, etc were involved in the process of formulation of vision and mission. The institute aims to deliver engineering education through effective teaching learning process and update their knowledge & skills to match the global industrial and technological development through defined objectives.

**ACS COLLEGE OF ENGINEERING IS COMMITTED TO:**

- Provide Quality Technical Education in Undergraduate, Post Graduate and Doctoral fields as per the university syllabus and beyond in strict compliance with AICTE requirements and Industrial needs through industry institute interaction.
- The Quality Education encompasses the needs and expectations of all interested stake holders with a strong focus on student centric approach and providing them 360° exposure and

making them globally competitive.

- The main focus would be to enrich the students with character, building innovative leadership, make them employable and successful in their lives by inculcating life employability, entrepreneurship skills and provide ethical values, ensuring that our institution creates employers not employees.
- The Management and Principal ensure that the institution move ahead in accordance with the planning to achieve highest benchmark. The Governing council conducts meeting twice in a year in order to have effective implementation of the policies to monitor the value addition in the academic processes. The Principal conducts meeting with the Head of the department weekly and the Head of the Departments conducts the meeting weekly to review the progress of the activities in accordance with the academic calendar. The academic calendar consists of all the curricular, co-curricular and extra-curricular activities, which are in line with Vision and Mission of the institution. IQAC monitors the functioning of all the committees relevant to teaching learning process, student's enrichment and overall development of the institution to identify areas of improvement and suggest for the necessary action plan. The institution has various committees, the coordinator of the committees plan for development activities and ensure the timely execution, this reflect effective governance, which are in tune with Vision and Mission of the institution.

File Description	Documents
Paste link for additional information	<a href="https://www.acsce.edu.in/mission-vision/">https://www.acsce.edu.in/mission-vision/</a>
Upload any additional information	No File Uploaded

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The institution has induced the practices of decentralization and participatory management in keeping with its belief in collective leadership and democratic traditions. A particular reflection of this practice may be seen in the extensive delegation of authority to the Heads of the various Departments in the institution as deliberated below:

1. Internal Quality Assurance Cell (IQAC)

Internal Quality Assurance Cell (IQAC) is centralized (Institutional level) committee responsible for supervising, modulating and executing the various academic actions & guidelines. It is purposely formed for continuous & reliable conduction of academic work all through the institute.

#### 1. Academic functioning:

The institution inculcates the culture of collective responsibility amongst its faculty members and the constitutive departments. The institution delegates authority and provides operational-autonomy at various levels. Under the supervision of Principal, and Heads of the Departments are empowered and the departments are provided academic autonomy a concrete step towards effective decentralized governing system. During this epidemic situation each department is given freedom to take the necessary decisions in conducting the online class and conducting many webinar activities several prepare pertaining to the development of the students as well as faculties

#### 1. Administrative functioning:

The Administrative Officer in tandem handles the office administrative responsibility distribution and monitoring with the institutional authorities. Though budget preparation is an administrative responsibility, individual budgets are prepared at departmental level and final budget is prepared based on those departmental inputs. Every department has the full authority to use the allotted budget for various activities. Various responsibilities and activities necessary for the smooth functioning of the institution is decentralized into several different committees which members like faculty members, student coordinators parent representatives and industrial represents and all the committees are monitored by IQAC both Institution level and in department level.

The Principal conducts weekly meeting with the Heads, in order to delegate different responsibilities and roles to be implemented by the faculty members in line with the quality policy. All the decisions, policies and planning to improve the quality are reviewed and discussed in these meeting before execution. At the end of every semester, the meetings of prominent bodies like Governing Body are scheduled to attest the success rate of the

decisions taken and to review the efficacy of the policy.

The management also ensures that the opinions and suggestions made by faculty members and staff members are included in decisions implemented for institutional development, which is reflection of participative Management in the institution.

The institution salutes the innovative ideas, concepts and thoughts from the staffs and involves them in decision-making process. The action plans for processes are prepared under the supervision and guidance of the Principal and Senior faculty members. The institution has various committees. The committees are formulated such that the committee has a coordinator with expertise in the domain along with the members from each department. These committees meet to define, monitor and evaluate the policies for implementation and improvement, if any, from time to time.

File Description	Documents
Paste link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.1.2%20Decentralisation%20and%20participative%20management.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.1.2%20Decentralisation%20and%20participative%20management.pdf</a>
Upload any additional information	No File Uploaded

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Institutional Strategic plans

Institutional Strategic Plans are formed in the following categories:

### 1. Reimaging Campuses

- Physical infrastructure
- Digital Infrastructure (Teaching & Learning)
- Library & information centre
- Quality assurance systems

### 1. Indigenous Commitment

- Research, Development & Innovation
- Financial Planning & Management

#### 1. Inspiring People

- A high performing institution
- Building leadership and capability
- Health and safe workplace

#### 1. Life Ready Graduates

- Placement, Internships & Career
- Graduate attributes
- Student centred wellbeing

#### 1. Engagement Priorities

- Industry- Institute relationships
- Community Service and Extension
- Alumni engagement and interaction
- Permanent affiliation and accreditation of all programs
- Establishing centre of excellence
- Autonomy of the Institution

### Strategy Implementation and Monitoring

Strategic development plan is placed for approval by Governing Body and the next step is its implementation. The Strategy implementation is monitored through the IQAC of being implemented and the progress shall be measured from time to time.

### Deployment

The plans articulated by the management and principal are communicated to the faculty, students, staff and other stakeholders through meetings, mails and other forms of communication. IQAC has framed the various coordinators to review from time to time and their implementations as per the plan. The institution would like to highlight that the strategic plans is implemented in establishing centre of excellences.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.2.1%20Institutional%20staregicoperpective%20plan.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.2.1%20Institutional%20staregicoperpective%20plan.pdf</a>
Upload any additional information	No File Uploaded

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

The Institutional Management envisioned in a systematic way with transparency to get the optimum results out of it. The institution has a well-defined hierarchical set up is established from top management to down the level clearly demarking the Duties, Responsibilities, Accountability and Authorities at every stage.

The Governing body is the uppermost decision making body consisting of members of distinguished members from the field of education and nominated faculty members. The members of the Governing body provide inputs to the Chairman for all-round institutional development. The institution has an effective organizational structure, which monitors and improves the institution development, decision-making and policy frameworks. The Institutional Organogram represents the demonstrating effective and efficient functioning of the institutional bodies. The Governing Body of the institution plays the most vital role in designing, implementing and planning of its policies. The Management and the Principal ensure that the institution moves ahead with all the planning, to achieve the highest benchmark in the profession higher education. The Leadership strives to empower society by providing dynamic education.

Few of the key policy decisions, which reflect the effective and efficient functioning of the institutional bodies, are as follows:

1. Permanent affiliation for all branches.
2. Accreditation of all branches.
3. Establishing centre of excellence.

4. Autonomy for the Institute.
5. Research centre for all branches.
6. Research motivation scheme
7. Promotion of testing and consultancy activities
8. Rewards for best teaching and non-teaching staff
9. Higher education promotion

The Governing Body reviews these decisions, policies and planning. The GB is constituted in accordance with the Statutory Regulatory Authorities (SRA). The Governing body conduct regular meetings in order to have effective implementation of policies and to monitor the value addition in the Academic processes.

The Action plans for implementation are prepared under the guidance of Principal and the Heads of the Department. These policies result in overall development of students. There are various committees in the institution, the coordinators of these committees plan the development activities and ensure their timely execution. IQAC monitors the functioning of all the committees relevant to Teaching-Learning, student enrichment and overall development of the institution to identify areas of improvement and suggest necessary actions.

Appointment and service rules, procedures also reflect the effective and efficient functioning as stated below:

ACS College of Engineering will conform to the norms stipulated in Approval Process Handbook of All India Council for Technical Education as on prevailing date. The institute follows procedure of recruitment mentioned above through a committee constituted by Management and the nominee of the University in appointment of teaching faculty, or to fill up the vacancies created on account of resignations tendered by existing staff, termination, or death of staff.

Service Manual summarizes the human resources policies and practices and all members of the Institution should adhere to the values of the Institution in all dealings at or related to the Institution consistent with and as required, by virtue of their positions in the Institution, and in keeping with the principles of justice, equity, fairness and the pursuit of excellence.

**Institution Service rules**

<http://www.acsce.edu.in/acsce/wp-content/uploads/2016/08/Service-Manual.pdf>

File Description	Documents
Paste link for additional information	<a href="http://www.acsce.edu.in/acsce/wp-content/uploads/2016/08/Service-Manual.pdf">http://www.acsce.edu.in/acsce/wp-content/uploads/2016/08/Service-Manual.pdf</a>
Link to Organogram of the Institution webpage	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.2.2.ACSCE-Organogram.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.2.2.ACSCE-Organogram.pdf</a>
Upload any additional information	No File Uploaded

**6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination**

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Any additional information	No File Uploaded
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	<a href="#">View File</a>

**6.3 - Faculty Empowerment Strategies**

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

The Institution gives foremost importance to Staff welfare. In association with this, the welfare measures for teaching and non-teaching staff are itemized below:

1. Group insurance.
2. Medical Leave & Maternity leave for eligible staff members.
3. Gym is also accessible for the staff.
4. Medical facilities are provided in our sister concern

RajaRajeswari Medical College & Hospital.

5. Transport is charged minimal for the employees of the institution.
6. The Institution inculcates the habit of saving which helps in social security to the employees as per the PF rules and also benefited with E.S.I for medical benefits of the eligible employees for the scheme.
7. An enormous number of faculty members have been sponsored to attend National and International Conferences.
8. Internet and free Wi-Fi facilities are also available in campus for staff.
9. Faculty members are provided with Individual cabin to facilitate good ambience.
10. Faculty development programs (FDP) are conducted for faculty members on regular basis to upgrade their skills.
11. Skill development courses are organized for non-teaching staff to enhance their skills in work environment.
12. The young faculties are motivated and provided the registration fees to pursue a vibrant research career for their publications.
13. Shuttle services are available in the campus helps faster and comfortable commutation.
14. Elevator facility is enabled in the institution.
15. All the staff members are treated on par with each other in obtaining benefits from the institution.
16. Women Empowerment Cell is established for creating venues for women members to flourish and gain momentum.
17. In a nutshell, the Institution strives hard to keep our staff happy and healthy.

File Description	Documents
Paste link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.3.1%20Faculty%20welfare%20measures.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.3.1%20Faculty%20welfare%20measures.pdf</a>
Upload any additional information	No File Uploaded

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

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

75

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

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

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

21

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	No File Uploaded
Upload any additional information	No File Uploaded
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	<a href="#">View File</a>

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

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

35

File Description	Documents
IQAC report summary	No File Uploaded
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	<a href="#">View File</a>

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

#### 1. Performance Based Appraisal System for Teaching Staff:

The Institution strictly follows all the requirement of recruitment and promotional policies as stipulated by the University, All India Council for Technical Education (AICTE) and Government of Karnataka. The performance of each faculty member is assessed according to the feedback taken after every Internal Assessments. It is analyzed and given suggestions for their area of improvement.

All the faculty members who upgrade their research work through quality publications during the academic year are honored by management and institute through research incentive scheme every year based on the self-appraisal report and Principal's assessment appraisal is done every year. Their respective HODs communicate the staff members who have low performance and a list of such staff members is sent to the management. The management then interacts one to one with these staff members and tries to figure out their problems, difficulties for improving their performance.

#### 1. Non-Teaching Staff

The performance of each Non-teaching Staff member is assessed according to the feedback taken by faculties and HOD and given suggestions for their further improvement based on the self-appraisal report and HOD's assessment appraisal is done every year. The system is transparent. Based on the reviews, the report

is submitted to the management for further necessary action.

File Description	Documents
Paste link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.3.5%20Performance%20appraisal%20system.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.3.5%20Performance%20appraisal%20system.pdf</a>
Upload any additional information	No File Uploaded

#### 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

The Institution has a well-defined procedure to monitor effective and efficient utilization of available financial resources for infrastructure development and academic processes. The institution budget is prepared every year after compiling requirement regarding recurring and non-recurring expenditures.

The institution has constituted for internal audit as follows:

1. Principal : Dr. M S Murali
2. Office barriers : Mrs.Tanuja D C( Accounts officer)
3. Ms. Anuradha - Accountant
4. Ms. Rashmi B - Accountant

The objectives of the internal audit are:

1. To evaluate the adequacy of internal cash flow system and management of funds
2. To ensure the compliance of the laid down policies and procedures as documented in the financialmanagement manual

#### Methodology of audit

Scrutiny of all bank and cash transactions, ledger scrutiny analysis of fixed asset fixed asset, registercashbook advance registers checking of bank reconciliation statement, scrutiny of all document related topurchase

**Verification of documents**

- Interest on advance settlements
- Fixed assets
- Interest income
- Verification of cash
- Improper receipt vouchers
- Accounting lapse
- Difference in opening balance
- Petty cash book
- Record of scrutiny reports

The Governing body (GB) which comprises of the institution authorities and the Members of the Trust monitors all the major financial transactions. The budget is discussed in the GB of the institution. The resolutions of the GB regarding approval for budget are forwarded to the Managing Committee and Governing Council of the trust for Final Approval of the budget to be spent during the academic year under various heads.

The institution has constituted a purchase committee comprising of management members. The purchase procedure such as calling quotations, technical bid, preparing comparative statement, negotiation meetings are followed for effective and efficient use of available financial resources. In addition to this, internal and external auditors audit the account of each financial year of the institution. Thus, the utilization of financial resources is monitored at two-tier level.

File Description	Documents
Paste link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.4.1%20Financial%20management%20and%20resource%20mobilisation.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.4.1%20Financial%20management%20and%20resource%20mobilisation.pdf</a>
Upload any additional information	No File Uploaded

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

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

00

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	<a href="#">View File</a>

#### 6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

The institution has a structured procedure for mobilization of funds and its optimal utilization, which ensures effective and optimal utilization of finances for academic, administrative and development purpose. This ultimately helps in realizing the Institute's Vision and Mission. As per the guidelines in the service manual of Chapter 7 which clearly explain how to utilize the funds and various authorities, variance report of sanctioned budget and actual expenditure are regularly maintained. The delegation of powers for various functionaries is tabulated in 7.1 sub-heading in the service manual.

The various subcommittees and their financial powers, expenses towards hospitality for meetings and guests for various cadres, expenses towards industrial visits, honorarium towards guests and invited lecturers are indicated in 7.2 sub-heading in the service manual. Under 7.2 the following committees are framed to ensure smooth flow of the process

7.2.1 Department Purchase committee

7.2.2 Institutional Purchase committee from Rs. 10,000 up to Rs. 1.00 Lakh

7.2.3 Institutional Purchase committee more than Rs. 1.00 Lakh

7.2.4 Imprest amount towards hospitality for meetings & guests

7.2.5. Expenses towards industrial visit

7.2.6. Honorarium towards guest & invited lecturers

Every year, the budget is prepared well in advance after taking into consideration the requirement of every Department. Each Department prepares the budget based on the requirement such as equipment, computer and consumables required for next academic session. Principal put up the budget to the management for consideration and approval and Governing Body (GB) meeting and after discussion and necessary corrections/modifications; Governing Body recommends the budget for approval.

The budget is reviewed by the management and approved after necessary changes. As and when required, the institution makes a provision for advance additional fund. The Principal and the Head of Departments discuss the requirement and decide the priorities while allotting financial resources for various purposes; and also ensure optimum use of available financial resources. The Governing body studies the annual expenditure, scrutinizes the budget and provides feedback for efficient use of financial resources. The institution has standardized procedure for sanctioning of funds for various activities and also for settlement of advance and passing of bills for payment.

The Management has given complete support to Principal for organization of various co-curricular and extra-curricular activities like technical events, sponsoring of faculty and staff for various FDPs, skill development programs, providing financial support for attending conferences, workshops, pursuance of higher education etc. Financial support is also provided for participation of students at various national level events.

The management monitors all the major financial transactions. The budget is discussed in the meetings of GB of the institution.

The resolutions of the GB regarding approval for budget are forwarded to the trust for final approval of the budget.

The purchase procedure such as calling quotation, technical bid, preparing comparative statement, negotiation meetings are followed for effective and efficient use of available financial resources. The committee ensures that suitable equipment with right specification is procured at competitive and optimal prices.

File Description	Documents
Paste link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.4.3%20Stragies%20for%20mobilisation%20of%20funds.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.4.3%20Stragies%20for%20mobilisation%20of%20funds.pdf</a>
Upload any additional information	No File Uploaded

## 6.5 - Internal Quality Assurance System

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

Internal quality assurance cell (IQAC) of the institute has committees under its ambit to mainly focus on

- Teaching - Learning process (T-L)
- Research and Development
- Industry interaction
- Placement and Training

### Teaching-Learning

IQAC takes measures to guide the faculty to focus on outcome based education (OBE) by conducting session on

Course Outcome (CO) formation, assessment and CO, PO attainment

Quality of internal semester question papers, assignments and evaluation

Examination reform

Product development

Introduction and hands on training of LMS

The faculty discuss COs with students at the commencement of the course. The faculty identifies the gaps between CO and PO to plan the activities to bridge them. IQAC has prepared and circulated standard formats for maintaining the relevant documentation.

Academic monitoring committee looks after the attendance and

conducts regular review meetings of guardian faculty members. Students with poor attendance are counseled to improve the attendance.

The faculty of the institution upgrades their knowledge through NPTEL course certifications. The management encourages the faculty by reimbursing the registration fee paid after getting the certification from NPTEL or any other.

R&D committee encourages the faculty and students to participate in conferences, seminars, and technical competitions etc.

#### Industry interaction

IQAC has initiated and the institution has signed a MoU with Center for Test and Data Sciences (CTDS). Center for Test and Data Sciences (CTDS) is for real time industry projects, internships, sponsored research from companies and government agencies and technology training. CTDS is composed of industry professionals playing the role of mentors and serves as a bridge between industry and institutions, The center focuses on building talent and technology solutions for industries through early collaboration and mutual engagements. Currently the center is working on projects related to Data Analytics, Software Quality Management, Mechanical testing and Characterization.

ACS College of Engineering has established Institution's Innovation Council (IIC) under the guidelines by Ministry of Human Resource Development (MHRD), Govt. of India and 'MHRD's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs).

IQAC has initiated to organize programs to strengthen interaction between institution and industry which involves contribution to every individual faculty.

#### Placement and Training

The Placement and Training cell will organize on a regular basis various value addition programs according to the need of the industry. During the commencement of the semester IQAC plans for

the programs for the employability skill development to the students for enhancing the placement ratio.

#### Internal Academic Audit

IQAC conducts internal academic audit at the end of each semester in accordance with the VTU to ensure all the academic processes are carried out regularly and documentation is maintained accordingly.

#### Induction program for newly appointed faculty

IQAC request the Head of the Departments to make aware about the roles, responsibilities and rules / regulations of the University for newly appointed faculty. Familiarize them with the infrastructure, resources/common facilities. The newly faculty are made awareness about concept of OBE. The HoD's explains and make them able to define course objectives, COs and calculate CO attainment.

File Description	Documents
Paste link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.5.1%20IQAC%20for%20quality%20assurance.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.5.1%20IQAC%20for%20quality%20assurance.pdf</a>
Upload any additional information	No File Uploaded

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

IQAC continuously reviews the quality of the teaching learning process at the end of each semester in accordance with the academic calendar to ensure all the academic processes are carried out regularly. All the faculties calculate the CO & PO attainment of their respective subject(s) and it is submitted to the departmental coordinator. The HoD's take necessary actions if anyone who have less than the set target of the attainment values of CO and PO.

The assessment questions are set based on the learning levels of Bloom's Taxonomy. Bloom's Taxonomy facilitates the faculty to define measurable course outcomes and students to better identify the questions and hence write the suitable answers. Different weightages are assigned to learning levels from first year to final year subjects. More weightage is given to the lower learning levels for first year subjects, while weightages for higher levels go on increasing from second year onwards. These aid students to develop critical thinking which orbits make them able to design solutions for complex engineering problems.

The institution has initiated active innovation cell (Pongu Ventures) a Business incubator to promote entrepreneurship skills. Center for Test and Data Sciences (CTDS), an interdisciplinary center to establish better collaboration between academia and industries. Also the institution has established UC Berkeley and Intel intelligent System laboratory to bridge the gap between industry and academic. The institution is constantly reviewed to reflect a realistic view in the emerging context by the collaboration with the industries.

Students are asked to watch video lectures available on open course ware modules to improve the knowledge and aware the emerging trends in their specialized course. This also improves learning skills of the students as well as inculcates habit of self-study which further increases their confidence and also helps in their career progression in near future.

The major initiatives taken over the last five years include the following:

- Introduction of Home Assignments
- Automation of Admission Processes - Provision for online fee payment
- Curriculum Development Workshops in many subjects
- Green initiatives in Campus - tree plantation
- MoUs with prestigious Institutes, Universities, Govt. agencies

File Description	Documents
Paste link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.5.2%20Review%20of%20teaching%20learning%20process%20through%20IQAC.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.5.2%20Review%20of%20teaching%20learning%20process%20through%20IQAC.pdf</a>
Upload any additional information	No File Uploaded

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

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.5.3%20Annual%20Report.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.5.3%20Annual%20Report.pdf</a>
Upload e-copies of the accreditations and certifications	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	<a href="#">View File</a>

## **INSTITUTIONAL VALUES AND BEST PRACTICES**

### **7.1 - Institutional Values and Social Responsibilities**

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

The institution is organizing women empowerment program likes International women's day every year, women's nutritional program, Yoga to stay Health for promoting the gender equity in the institution.

The following measures initiated by the intuition for the

promotion of gender equity during the year:

- International Women's day
- Leadership Talk on Women Entrepreneurship and Empowerment
- Gender Sensitization Program
- Gender Equality

The Institution framed an Anti Sexual Harassment Committee which deals with issues relating to sexual harassment. The committee is formed to prevent sexual assault, rape and other related crimes on girl students.

For the promotion of gender equity and sensitization, the institution have Annual gender sensitization action plan. The following facilities are provided for women's in the campus are listed below:

1. Safety and security

i. CCTV Camera

ii. Visitor register

iii. Female Warden Staff in Hostel

iv. Hostel Leave form facility

v. Mess facility for Girls

vi. Medical facility in campus

vii. Discipline in campus

ix. Parent teacher meeting

2. Counseling

i. Faculty Advisor

ii. Anti Sexual Harassment Committee

3. Common Rooms

4. Day care center for young children

5. Any other relevant information:

- i. Open and transparent system
- ii. Awareness program
- iii. ACSCE rules and regulations
- iv. Active participation by female staff and student
- v. Health facilities in hostel
- vi. Internet Facilities in Ladies Hostel
- vii. Common reading room facilities in Ladies Hostel

File Description	Documents
Annual gender sensitization action plan	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/7.1.1a%20Promotion%20of%20gender%20equity.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/7.1.1a%20Promotion%20of%20gender%20equity.pdf</a>
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/7.1.1b%20Gender%20sensitization%20action%20plan.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/7.1.1b%20Gender%20sensitization%20action%20plan.pdf</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment**

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

The Institution has taken up various initiatives to maintain an environment friendly campus.

1. **Solid waste management:** The Institution implements solid waste management by enforcing the waste segregation rules. All waste from college and hostel is segregated at source and disposed of in a proper manner. The wet waste from the hostels/ canteen is given away to bio fertilizer plants for making eco-friendly fertilizers. The institution has successfully completed and recently commissioned a BIO gas plant in the institution.
2. **Liquid waste management:** The Institution follows the systematic procedure for proper management and disposal of liquid waste. The wet waste from the college, hostels and canteen is given away to bio fertilizer plants for making eco-friendly fertilizers. A sewage treatment plant for the college is being conceived.
3. **Bio Medical Waste:** The minimum biomedical waste generated from the institution is disposing to the authorized agency through RRMCH.
4. **E-waste management:** The Institution as undertaken a number of E-waste Management initiatives with the objective of creating an eco-friendly environment.
5. **Hazardous and Radioactive waste:** Live (Hazardous) waste discarded in to the environment after water treating from the treatment plant and from the institution no radioactive waste is not generated.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/7.1.3%20Waste%20management.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/7.1.3%20Waste%20management.pdf</a>
Any other relevant information	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting  
Bore well /Open well recharge Construction of tanks and bunds Waste water recycling  
Maintenance of water bodies and distribution system in the campus**

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>
<b>7.1.5 - Green campus initiatives include</b>	
<b>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</b> <ol style="list-style-type: none"> <li>1. Restricted entry of automobiles</li> <li>2. Use of Bicycles/ Battery powered vehicles</li> <li>3. Pedestrian Friendly pathways</li> <li>4. Ban on use of Plastic</li> <li>5. Landscaping with trees and plants</li> </ol>	A. Any 4 or All of the above
File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>
<b>7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution</b>	
<b>7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following</b> <ol style="list-style-type: none"> <li>1. Green audit</li> <li>2. Energy audit</li> <li>3. Environment audit</li> <li>4. Clean and green campus recognitions/awards</li> <li>5. Beyond the campus environmental promotional activities</li> </ol>	A. Any 4 or all of the above
File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	No File Uploaded
Any other relevant information	<a href="#">View File</a>
<b>7.1.7 - The Institution has disabled-friendly,</b>	A. Any 4 or all of the above

barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment

**5. Provision for enquiry and information :**  
**Human assistance, reader, scribe, soft copies of reading material, screen reading**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Policy documents and information brochures on the support to be provided	<a href="#">View File</a>
Details of the Software procured for providing the assistance	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

To build a nation of youth who are noble in their attitude and morally responsible, the college organizes and conducted several activities to build and promote an environment for ethical, cultural, and spiritual values among the students and staff. To develop the emotional and religious feelings among the students and the faculty, commemorative days are celebrated on the campus with the initiative and support of the management for not only recreation and amusement but also to generate the feeling of oneness and social harmony. The institution believes in equality of all cultures and traditions as is evident from the fact that the Students belonging to different caste, religion, regions are studying without any discrimination. Though the institution has diverse socio-cultural background and different linguistic, we do not have any intolerance towards cultural, regional, linguistic, communal socio economic and other diversities.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>
Any other relevant information	No File Uploaded

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

At ACSCE, we believe in giving holistic all round education to the students. And sensitizing students on our constitutional rights, values, duties and responsibilities is one of the primary educations given at the institute through various means. Sensitization of students and employees of the Institution to the constitutional obligations is done through curriculum as well as through extra-curricular activities. Many of the subjects offered have topics which sensitize the students about the constitutional obligations. The University has introduced a compulsory paper on the Constitution of India at Degree level across all engineering disciplines to create awareness and sensitizing the students and employees to constitution obligation. As a part of strengthening the democratic values. Also, all students take a course on Environment studies in their first year which gives them insight into environment acts, wildlife protection act, forest act, global environmental concerns etc. In addition to this many regular programs are conducted by Institute Innovation Council (IIC) cell of the institute to educate women about their rights.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="#">View File</a>
Any other relevant information	No File Uploaded

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for**

A. All of the above

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

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

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

ACS College of Engineering is committed to promote ethics and values amongst students and faculty to encourage the same, the college organizes National festivals as well as Anniversaries for the great Indian Personalities. The institution takes a responsibility for the celebration of commemorative days, which is an integral part of learning and building a strong cultural belief among the student. The College makes tremendous efforts in celebrating the national and international days, events and festivals throughout the year. The institution believes in celebrating the glorious festivals and activities of both National as well as International levels such as: 1. Republic day (26th January) 2. Independence day (15th August) 3. International Yoga day (21st June) 4. World Environmental day celebration (12th June) 5. National Voters Day Celebration (25th January) 6. Kargil Vijay Diwas (26th July) 7. Teachers day (5th September) 8. National Education Policy (2020) Program 9. Kalam's Day

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	<a href="#">View File</a>
Geo tagged photographs of some of the events	No File Uploaded
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

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

**Best Practice - 1**  
 1. Title of the Practice:- Transform students project into paper publication  
 2. Objective;- To encourage students to opt Research and Development as career. To conduct useful courses and technical seminars, workshops & conferences as per the current industry need. To participate various events like project competition, paper presentations etc.

**Best Practice- 2**  
 1. Title of the Practice: "Training students in cutting edge Open Source Software"  
 2. Objectives of the practice  
 To offer value added courses to students across disciplines in the niche areas in the IIT Bombay (Spoken Tutorials) mode  
 To promote mass usage of Open Source Software among students and teaching faculty.  
 To reach out software learning to students of all the disciplines to excel in their domain.  
 3. The Context India is a front runner in the computer software area and to maintain sustainability there is a need for updated domain knowledge. There is a need to facilitate students with different background / economic status / linguistic nature to software education in a student-friendly way in an affordable way. There is a need to generate discipline specific graduates with knowledge on skill base software to handle the domain specific Artificial Intelligence needs.

File Description	Documents
Best practices in the Institutional web site	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

**Response:** The Institution Distinctives of the Institution is "Institution's Innovation Council (IIC)"  
 1. About IIC ACS College of Engineering was established Institution's Innovation Council (IIC) under the guidelines by Ministry of Human Resource Development (MHRD), Govt. of India and 'MHRD's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). MIC has envisioned encouraging creation of 'Institution's Innovation Council (IICs)'

across selected HEIs. The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are in formative years. A network of these IICs will be established to promote innovation in the Institution through multitudinous modes leading to an innovation promotion eco-system in the campuses. It's our proud privilege to announce that ACS College of Engineering, Bangalore is selected as a member of MHRD's Innovation Cell in SWRO Zone 2. Major Focus of IIC To Start-up supporting Mechanism in HEIs.

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.3.2 - Plan of action for the next academic year

1. To conduct add-on programmes focusing on Job oriented and new technological skill development courses.
2. To motivate students in the participation of various sports, cultural and technical events and competitions.
- 3.. To enhance the numbers of publications in SCI/SCI-E/Scopus/UGC Care Journal etc.
4. To encourage faculty members and student collaboration with reputed organizations and Industries.
5. To increase the placement of students by arranging various career counselling training programs, ON and OFF campus drives.
6. To organize programs to develop entrepreneurial skills among students.
7. To encourage and facilitate Research Culture, to promote Research by students and Faculty and Consultancy by Faculty
8. To get NAAC cycle 2 accreditation and perform better in NIRF ranking.
9. To promote extension and outreach activities with the special focus on impact on local community.