



## YEARLY STATUS REPORT - 2021-2022

<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	Kambipura Mysore Road Bangalore
• City/Town	Bangalore
• State/UT	Karnataka
• Pin Code	560074
<b>2.Institutional status</b>	
• Affiliated /Constituent	Affiliated
• Type of Institution	Co-education
• Location	Urban
• Financial Status	Self-financing

• Name of the Affiliating University	Visvesvaraya Technological University												
• Name of the IQAC Coordinator	Dr.S. Selvanandan												
• Phone No.	08029748222												
• Alternate phone No.	9840515678												
• Mobile	8884451258												
• IQAC e-mail address	selvanandan@gmail.com												
• Alternate Email 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/naac-cycle-2/">https://www.acsce.edu.in/naac-cycle-2/</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/">https://www.acsce.edu.in/</a>												
<b>5.Accreditation Details</b>													
<table border="1"> <thead> <tr> <th>Cycle</th> <th>Grade</th> <th>CGPA</th> <th>Year of Accreditation</th> <th>Validity from</th> <th>Validity to</th> </tr> </thead> <tbody> <tr> <td>Cycle 1</td> <td>A</td> <td>3.10</td> <td>2016</td> <td>02/12/2016</td> <td>01/12/2021</td> </tr> </tbody> </table>		Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to	Cycle 1	A	3.10	2016	02/12/2016	01/12/2021
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. P. Theerthamalai, AE	Conceptual Aerodynamic Design of Expendable Attack UAV	DRDO, Bangalore	2021, 1 year	958990
Dr. P. Theerthamalai, AE	Design and Optimization of Air Intake for 155mm Ramjet Projectile	DRDO, Bangalore	2021, 1 year	964375
Dr.A.K. Sarkar, AE	Nil	DRDO, Bangalore	2021, 1 year	967390
Dr.A.K. Sarkar, AE	Nil	DRDL, Hyderabad	2021, 1 year	964390
Prof. Soma and Dr. P. Theerthamalai, AE	Nil	VTU	2021, 2 years	725000
Dr. P. Theerthamalai, AE	Aerodynamic Prediction code for canard controlled missile	DRDL, Hyderabad	2021, 2 years	1482134
Mr.Hemanth Kumar G, BME	SYSTR:Machine learning based smart urine analysis tool	KSCST	2021-22, 6 months	8000
Dr.Anitha S, BME	Sensory neurofeedback device for essential tremor and parkinson's patients	KSCST	2021-22, 6 months	6000

Dr. T Senthikumar, CSE	MODROB	AICTE	2021, 2 years	1112000
Dr. Bharathi Gururaj, ECE	Women's safety using panic button	KSCST	2021-22, 6 months	7000
Mr. CHANDRAS HEKHAR B & Dr. SIDDESHA H S, ME	MECHANICAL PROPERTIES OF NATURAL FIBRE REINFORCED POLYMER COMPOSITES AND FABRICATION OF COMPOSITE BICYCLE FRAME	KSCST	2021-22, 6 months	6000
Mr. Sunil Raj B A, ME	Design and development of solar grass cutter	VTU	2021-22, 6 months	5000
Mr. CHANDRAS HEKHAR B & Dr. SIDDESHA H S, ME	Mechanical Properties of Natural Fibre Reinforced Polymer Composites and Fabrication of Composite Bicycle Frame	VTU	2021-22, 6 months	5000
<b>8. Whether composition of IQAC as per latest NAAC guidelines</b>		<b>Yes</b>		
<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>		<b>5</b>		

<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>	Yes	
<ul style="list-style-type: none"> <li>• If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No	
<ul style="list-style-type: none"> <li>• If yes, mention the amount</li> </ul>		
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>		
<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>Curriculum Development Workshops in many subjects, Green initiatives in Campus - tree plantation</p>		
<p>IQAC has contributed in successful completion of NAAC Cycle 2 Accreditation process</p>		
<p>Other Quality accreditation and assessments such as ISO, NBA for BME and AE department, ARIIA, NIRF and Quality and Energy Audits have been carried out.</p>		
<p>E-Governance in Admission process, IIC seminars, Faculty Development programs, ICT academy in Teaching Learning Process are the other quality initiatives from IQAC.</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>		

Plan of Action	Achievements/Outcomes				
To conduct add-on programmes focusing on Job oriented and new technological skill development courses.	10 add-on programmes have been conducted in latest technologies as per the current industrial requirements.				
To get NAAC cycle 2 accreditation and perform better in NIRF ranking.	Successfully completed the accreditation process with A Grade in Cycle 2.				
To encourage faculty members and student collaboration with reputed organizations and Industries.	More than 25 MoUs with pioneering industries have been successfully signed to promote industry academia collaboration.				
To increase the placement of students by arranging various career counselling training programs, ON and OFF campus drives.	120 students were placed in the academic year 2021-22				
To organize programs to develop entrepreneurial skills among students. To motivate students in the participation of various sports, cultural and technical events and competitions. To conduct add-on programmes focusing on Job oriented and new technological skill development courses.	Students participated in more than 20 events and won awards in 9 events. 30 programmes for skill development, career counselling, entrepreneurial development have been organized.				
<b>13. Whether the AQAR was placed before statutory body?</b>	<b>Yes</b>				
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>					
<table border="1"> <thead> <tr> <th>Name</th> <th>Date of meeting(s)</th> </tr> </thead> <tbody> <tr> <td>Governing Council</td> <td>27/12/2022</td> </tr> </tbody> </table>		Name	Date of meeting(s)	Governing Council	27/12/2022
Name	Date of meeting(s)				
Governing Council	27/12/2022				
<b>14. Whether institutional data submitted to AISHE</b>					

Year	Date of Submission
yes	08/01/2020

### 15. Multidisciplinary / interdisciplinary

ACS College of Engineering, a Self-financing, affiliated to Visvesvaraya Technological University (VTU) are proud to distinguish as an academic teaching institution and delivers a quality interdisciplinary & multidisciplinary engineering education in accordance with the curriculum framework by the VTU. Through this, the institution will imbibe VTU curriculum integration of essential subjects, skill and capacities, conceptual understanding, and emphasize integrative learning, critical thinking, and creative problem solving, life skills to the students. VTU has introduced many changes in the curriculum structure, teaching learning process, assessment procedures to stay relevant and minimize the gap between Institution - Industry. VTU to fulfil the Multidisciplinary Aspiration of NEP 2020, along with Open Electives and Professional Electives, few courses on Arts, Law, Political Science, Geography, Music, Yoga, NSS, Physical Education, sports, Finance and Banking and Kannada literature are included as Ability Enhancement Courses (AEC). The Management of the institution in accordance to the AICTE, VTU and Government of Karnataka embraces the transformation as a continuous way and hence adopts the transformation to respond to new challenges to ensure better outcomes. The institution is well equipped of integrating the study of various academic disciplines suited to their life-long interests. The faculty in the institution has ability and enhances their knowledge to teach inter and multi-disciplinary subject to the students. The institution has adequate facilities for the students to prepare for graduate and professional study, for careers in new and emerging fields and also high competency level and confidence. The institution will focus on multi-disciplinary 'cross-learning' for finding out the connection between different subjects.

### 16. Academic bank of credits (ABC):

The institution is proposing to drive for the autonomous status where the institution can register with Academic bank of credits. The Institution already in the process of encouraging the students to take MOOC's offered by premier institutions of the country to enhance their technical skills. The Institution will adopt these relevant online courses to appropriate programmes to enhance the student's skill competence and prepare for the eligibility to have the benefit of Academic Bank of credits in accordance with the VTU.

**17.Skill development:**

The students, faculty and staff of the institution need reskilling, as adoption of technology increases, according the curriculum change in the VTU and industry. The institution believes that the list of skills like critical thinking and problem solving in the next future years will grow in prominence. Newly emerging this year are skills in self-management such as active learning, resilience, stress tolerance and flexibility. The institution means to reskill and upskill the individuals in unprecedented numbers, to deploy precision safety nets and to create bespoke maps which orient the students towards the jobs of tomorrow where they will be able to thrive. The institution has numerous functional MOU's with various companies, professional bodies and organization to develop the skill to fill gap between the industry and academia. The institution promotes the student and the faculty to learn a new skill set in an increasingly accessible through digital technologies.

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

The institution encourages the students and faculty to learn the online courses offered by premier institutions of the country to enhance their skills. The institution shall adopt the NEP 2020, which envisions an educational system fashioned on the lines of India's profuse linguistic, cultural and artistic heritage. The promotion of Indian arts and culture is seen very important and it could be effectively imparted through integrating Indian culture into the main curriculum, which would not only develop a strong sense of identity and aesthetic outlook but also enhances creative and cognitive skills among the students. As the institution adhere the framework of VTU curriculum, the integration of Indian Knowledge system is integrated in the curriculum included as a mandatory credit courses such as Samskrutika Kannada / Balake Kannada (3rd /4th Semester), Constitution of India, Professional Ethics (4th / 3rd semester), Universal Human Values-II and A credit courses on NCC (5th and 6th semesters as elective courses).

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

VTU Regulations governing the UG and PG Degree are under outcome-based education and choice based credit system (CBCS). The institution strictly follows the guidelines and regulations of the VTU in the curriculum. The institution adheres the National Board of Accreditation norms to prepare the outcome-based education in PEO's, PSO and course outcomes. The institution aims to follows the outcomes-based educations are to: ? help formulate graduate

attributes, qualification descriptors, programme learning outcomes and course learning outcomes that are expected to be demonstrated by the holder of a qualification; ? enable prospective students, parents, employers and others to understand the nature and level of learning outcomes (knowledge, skills, attitudes and values) or attributes a graduate of a programme should be capable of demonstrating on successful completion of the programme of study; ? maintain national standards and international comparability of learning outcomes and academic standards to ensure global competitiveness, and to facilitate student/graduate mobility; and ? provide higher education institutions an important point of reference for designing teaching-learning strategies, assessing student learning levels, and periodic review of programmes and academic standards.

## 20.Distance education/online education:

The institution in the strive to start the online education programme and to accomplish the eligibility criteria of University Grants Commission (Open and Distance Learning) Regulations, 2017 and University Grants Commission (Online Courses or Programmes) Regulations, 2018. The institution proposed plans for online education in the near future shall penetrate in in the following form: ? To offer skill-oriented programmes ? To offer online academic programme as approved by the UGC/Distance Education Council ? Education programme customized or generic programmes in emerging knowledge's to enhance the skills/knowledge ? The Learning and Development Centres of the corporates offering general/specific technology driven online programs for the students as a part of reskilling strategies. ? To adopt the online courses of world class universities as a credit course to the students to understand the new knowledge in emerging areas. ? Employability skills offered to final year students to make the final year students for employment ready.

## Extended Profile

### 1.Programme

1.1 378

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 1292

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	<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>

2.3 320

Number of outgoing/ final year students during the year

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

**3.Academic**3.1 152

Number of full time teachers during the year

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

3.2 152

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	<b>378</b>
File Description	Documents
Data Template	<a href="#">View File</a>
<b>2.Student</b>	
2.1 Number of students during the year	<b>1292</b>
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	<b>124</b>
File Description	Documents
Data Template	<a href="#">View File</a>
2.3 Number of outgoing/ final year students during the year	<b>320</b>
File Description	Documents
Data Template	<a href="#">View File</a>
<b>3.Academic</b>	
3.1 Number of full time teachers during the year	<b>152</b>
File Description	Documents
Data Template	<a href="#">View File</a>

3.2	152
Number of sanctioned posts during the year	
<b>File Description</b>	<b>Documents</b>
Data Template	<a href="#">View File</a>
<b>4.Institution</b>	
4.1	47
Total number of Classrooms and Seminar halls	
4.2	647.79
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 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. 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, and calendar of events.

File Description	Documents
Upload relevant supporting document	No File Uploaded
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 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:

- 1) Academic Calendar
- 2) Class and Lab Time Table
- 3) Internal Examination
- 4) Academic Monitoring
- 5) Student Feedback

File Description	Documents
Upload relevant supporting document	No File Uploaded
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	No File Uploaded

## 1.2 - Academic Flexibility

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

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

8

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

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

27

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>

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

1268

File Description	Documents
Any additional information	No File Uploaded
Details of the students enrolled in Subjects related to certificate/Add-on programs	No File Uploaded

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

The institution 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. The curriculum includes various courses to address Professional Ethics and Human values. For instance, Constitution of India & 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. These curriculums provide free environment for inculcating values and developing ethical competence among the students. Various departments of the institution organize talks on Human Values, with a particular emphasis on Gender Equality, Women's Empowerment, and Skill Development so it builds a better character and be a great part of the student's life to achieve great thing in the future.

File Description	Documents
Any additional information	No File Uploaded
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	No File Uploaded

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

22

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

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

1143

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="https://www.acsce.edu.in/feedback/">https://www.acsce.edu.in/feedback/</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	No File Uploaded
Any additional information	No File Uploaded

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

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

File Description	Documents
Upload any additional information	No File Uploaded
URL for feedback report	<a href="https://www.acsce.edu.in/feedback/">https://www.acsce.edu.in/feedback/</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 students admitted during the year**

332

File Description	Documents
Any additional information	<a href="#">View File</a>
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**

124

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

The institution has a well-structured mentoring system to assess the learning levels. The institution analysis the student's learning ability from academic performance, level of attention, and midsemester evaluation to make further judgments in later years of their studies.

The Students categorized as Slow learners (Marks below 50% of the total CIE marks, Assignment marks, and Semester End Examinations) and Advanced Learners (marks more than 75%).

Induction program: organized by the institution for the fresher students.

Bridge Courses: For the students joining under the lateral entry system, the institution offers special coaching, bridge programmes and peer guidance in especially for Mathematics. Advanced Learners: are encouraged to participate and present papers in various Seminars/ Conferences/ Workshops/ Inter Collegiate, national and international Competitions, MOOCs, Value Added Programmes, Projects for Community Service,

Slow Learners: remedial classes is arranged to improve the

performance

**Remedial Classes & Classes for Arrear Students:** are conducted with an aim to improve the academic performance of the slow learners and to improve results

**Advanced Learners:** are encouraged to participate and present papers in various Seminars/ Conferences/ Workshops/ Inter Collegiate Competitions.

File Description	Documents
Paste link for additional information	<a href="https://www.acsce.edu.in/iqac/">https://www.acsce.edu.in/iqac/</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
1292	152

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

Experimental learning, participative learning and problem solving methodologies are adopted to ensure the overall development of students.

### 1. Experiential Learning

- Project work involving latest technologies, investigated different problems within the time frame of the University.
- Participate in inter-collegiate and state level paper presentation and other competitions.
- Field visits and Surveys are arranged in academically significant areas.
- Industrial visits are organized to academically significant industries to provide exposure to industrial work culture.
- Guest lecture by eminent experts from industry and academics

are organized to supplement the teaching process and provide experiential learning

2.Participative Learning

- Professional societal activities like IEEE, ISTE, IETE, etc.,
- The college organizes activities through NSS camps, Red Cross, to help the students learn to lead life as a team for Social and community welfare.
- MOOCs offered by premier institutions of the country.
- Lab work and workshops are conducted as individual and group work under the supervision of the faculty members.

3. Problem solving Methodology

- To develop logical thinking and practical knowledge among the students, case study method.
- This will enhance problem solving ability.
- All questions in the internal tests are based BLOOMS TAXONOMY.
- Assignments and Quizzes
- Research activities, product design and development help them to develop research orientation.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional information	<a href="https://www.acsce.edu.in/iqac/">https://www.acsce.edu.in/iqac/</a>

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

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.

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
9. LCD projectors.
10. 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	No File Uploaded
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View File</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**

76

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	No File Uploaded
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**

152

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	No File Uploaded

**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	No File Uploaded
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**

645

File Description	Documents
Any additional information	No File Uploaded
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.

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 at the beginning of the first year.
- The Principal approved academic calendar will communicate the Internal assessment to students.
- The internal assessment is carried out in a systematic manner for theory courses, laboratory courses, seminars, summer internship and project.
- The Timetable, Circular, arrangement of seats and Invigilator schedule for the Internal Test will be displayed on the Notice board (Classroom & Department).
- Discussion of the scheme & solutions
- Distribution of evaluated answer scripts on time.
- student's performance is discussed at HoD Level to prepare and guide the students for better performance in the Semester End examinations.
- As per the University guidelines, three Assignments mandatory 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 to improve Teaching, Infrastructure, and the learning experience.
- Parents meeting will be convened at least once in a semester to discuss the progress of their wards.
- Mentors regularly monitor the student's progress.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	<a href="https://www.acsce.edu.in/iqac/">https://www.acsce.edu.in/iqac/</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
- Class Committee Meetings -focused on the needs of the students and encourage to submit complaints
- Suggestion Box -Suggestion Boxes are distributed throughout the institute
- Parental minutes -The parents of the student meet with the teacher and the department's head to discuss their child's progress
- University Level -The grievances in the University examination

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	<a href="https://www.acsce.edu.in/iqac/">https://www.acsce.edu.in/iqac/</a>

## 2.6 - Student Performance and Learning Outcomes

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

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](http://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

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	<a href="https://www.acsce.edu.in/iqac/">https://www.acsce.edu.in/iqac/</a>
Upload COs for all Programmes (exemplars from Glossary)	No File Uploaded

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 course outcomes of the respective course are prepared by respective faculty, and verified by the respective HoDs.

Step 2: As the percentage of marks 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 with weightage of (80%) and Indirect Assessment Process with weightage of (20%). The DAP is measured into two assessment processes, namely Internal Assessment with weightage of 30% and External Examination with weightage of 70%. In IA, the assessment tools are Internal Assessment Test and Assignment. The weightage of these tools are segregated and recorded by the faculty who handle the subject. In Indirect Assessment process, the University Semester End Examination and course end survey is used as an assessment tool.

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

285

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	No File Uploaded
Paste link for the annual report	<a href="https://www.acsce.edu.in/iqac/">https://www.acsce.edu.in/iqac/</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/iqac/>

## 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)**

72.09

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

**3.1.2 - Number of teachers recognized as research guides (latest completed academic year)****3.1.2.1 - Number of teachers recognized as research guides**

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

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

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	No File Uploaded
Paste link to funding agency website	Nil

**3.2 - Innovation Ecosystem**

**3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge**

ACS College of Engineering (ACSCE) has created innovation ecosystem for faculty and students with the support of institutions innovation council (IIC) and Pongu Ventures Pvt.Ltd. ACSCE established institution's innovation council under the guidance of AICTE and Ministry of Education (MOE), Govt. of India to systematically foster the culture of innovation at the institution. The primary objective of ACS innovation council is to encourage, inspire and take care of young students by supporting them to work with new ideas and transform them into prototypes while they are informative years. ACSCE IIC signed MOU with Pongu Ventures to envision creation and promote innovation in the institution through countless modes leading to an innovation promotion eco-system in the campus. ACS innovation council is doing monthly activity related to innovation entrepreneurship and startups with external experts and startup ecosystem enabler. ACS College of Engineering has established as "Rajarajeswari Business Incubator"(RRBI) to help young startups innovate and grow. The institution provides workspaces, mentorship, education and access to investors for startups or sole entrepreneurs. In addition, RRBI also provides financial and management support to compete successfully with established industry persons.

File Description	Documents
Upload any additional information	No File Uploaded
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>

**3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year**

**3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year**

6

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

### 3.3 - Research Publications and Awards

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

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

2

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	<a href="#">View File</a>
Any additional information	No File Uploaded

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

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

55

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>

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

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

07

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

### 3.4 - Extension Activities

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

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 "SANITISE MASK SOCIAL DISTANCING"

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

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

3.4.2.1 - Total number of awards and recognition received for extension activities from

**Government/ Government recognized bodies year wise during the year**

03

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

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

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

09

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

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

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

690

File Description	Documents
Report of the event	No File Uploaded
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>

### 3.5 - Collaboration

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

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

52

File Description	Documents
e-copies of related Document	No File Uploaded
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	<a href="#">View File</a>

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

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

16

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 institution has laboratories in accordance with the AICTE norms and VTU curriculum. ACSCE has 42 laboratories with state of art laboratory equipment. The institution is equipped with Wi-Fi, hot spots and Internet facility with a bandwidth of 100 Mbps. ERP software of the institution is deployed for effective automation of academic and administrative process in the institution.

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/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.

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	<a href="#">View File</a>
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>

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

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/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>
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)

31.01

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	<a href="#">View File</a>
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. Our library has unique rare book collections which help both staffs and students to get curies and also motivated over the topics under that title.

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.

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	<a href="#">View File</a>
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)**

12.42

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

320

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

#### 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.

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 centralized maintenance system to support the IT

infrastructure, campus facilities and equipment's.

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
List of Computers	<a href="#">View File</a>

#### 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	<a href="#">View File</a>

#### 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)

616.78

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	<a href="#">View File</a>
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 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.

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.: 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	<a href="#">View File</a>
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

<b>5.1 - Student Support</b>	
<b>5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year</b>	
<b>5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year</b>	
657	
File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	No File Uploaded
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>
<b>5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year</b>	
<b>5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year</b>	
26	
File Description	Documents
Upload any additional information	No File Uploaded
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>

File Description	Documents
Link to Institutional website	<a href="https://www.acsce.edu.in/news-and-events/?newstype=News">https://www.acsce.edu.in/news-and-events/?newstype=News</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**

206

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

206

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

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

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View File</a>
Upload any additional information	No File Uploaded
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

120

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	<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

5

File Description	Documents
Upload supporting data for student/alumni	No File Uploaded
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**

2

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

9

File Description	Documents
e-copies of award letters and certificates	No File Uploaded
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
2. Anti-Ragging committee
3. Cultural committee
4. Sports
5. Student Welfare committee
6. Professional/NSS committee
7. Magazine committee
8. Grievances redressal committee
9. Sexual Harassment Elimination committee

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

**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**

7

File Description	Documents
Report of the event	No File Uploaded
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	<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 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. The purpose of an association is to foster a spirit of loyalty and to promote the general welfare of our organization. The alumni's contributes in many ways for the development and improvement of the institution. 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	No File Uploaded

<b>5.4.2 - Alumni contribution during the year (INR in Lakhs)</b>	A. ? 5Lakhs
File Description	Documents
Upload any additional information	No File Uploaded
<b>GOVERNANCE, LEADERSHIP AND MANAGEMENT</b>	
<b>6.1 - Institutional Vision and Leadership</b>	
6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution	
<p><b>VISION:</b> - Engineering the future of the nation by transforming the students to be technically skilled managers, innovative leaders and environmentally receptive citizens. <b>Mission:</b> - 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.</p>	
File Description	Documents
Paste link for additional information	<a href="https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.1.1%20The%20governance%20of%20the%20Institution.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.1.1%20The%20governance%20of%20the%20Institution.pdf</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.	
<p>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 &amp; guidelines. It is purposely form for continuous &amp; 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.</p>	

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.

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 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.

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	No File Uploaded
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 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

File Description	Documents
Paste link for additional information	<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>
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 inter faces	<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.

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**

07

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**

14

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

18

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.

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

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 financial management

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

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%20anagement%20and%20resource%20mobilisation.pdf">https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/6.4.1%20Financial%20anagement%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)

0

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 whichclearly explain how to utilize the funds and various authorities, variance report of sanctioned budget and actual expenditure are regularly maintainedThe

delegation of powers for various functionaries is tabulated in 7.1 sub-heading in the service manual. 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.

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

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.

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	No File Uploaded
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 a Prevention of Sexual Harassment (POSH) 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:

#### a. 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

#### b. Counseling

- i. Faculty Advisor
- ii. Anti Sexual Harassment Committee
- c. Common Rooms
- d. Day care center for young children
- e. 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 in all the activities
  - v. Health facilities in hostel
  - vii. Common reading room facilities in Ladies Hostel

File Description	Documents
Annual gender sensitization action plan	<a href="https://www.acsce.edu.in/iqac/">https://www.acsce.edu.in/iqac/</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/iqac/">https://www.acsce.edu.in/iqac/</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. The campus is full of greenery and is kept clean and tidy. The gardens, lawns and plantations inside the campus is maintained by a dedicated group of caretakers, sweepers and housekeeping staff.

1. Solid waste management: The Institution implements solid waste management by enforcing the waste segregation rules. Dustbins are placed in every classroom, laboratory, rest room, and mess at different locations in the campus. Sweepers are allotted to each floor who manages all the waste generated in the campus. The institution has successfully completed and recently commissioned a Biogas plant to handle 80 kg/day of solid waste. his treated water is then used for the gardening and other purpose.

3. E-waste management: The Institution as undertaken a number of E-waste Management initiatives with the objective of creating an eco-friendly environment in the campus. E-waste such as computers and its peripherals are upgraded regularly to continue usage and to avoid its wastage.

4. Hazardous chemicals and radioactive waste management:

Live (Hazardous) waste discarded into the environment after water treating from the treatment plant, and the radioactive waste is not generated from the institution.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	<a href="#">View File</a>
Geo tagged photographs of the facilities	<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

A. Any 4 or all of the above

**system in the campus**

File Description	Documents
Geo tagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

<p><b>7.1.5.1 - The institutional initiatives for greening the campus are as follows:</b></p> <ul style="list-style-type: none"> <li><b>1. Restricted entry of automobiles</b></li> <li><b>2. Use of bicycles/ Battery-powered vehicles</b></li> <li><b>3. Pedestrian-friendly pathways</b></li> <li><b>4. Ban on use of plastic</b></li> <li><b>5. Landscaping</b></li> </ul>	<p>A. Any 4 or All of the above</p>
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File Description	Documents
Geo tagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

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

<p><b>7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities</b></p>	<p>A. Any 4 or all of the above</p>
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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>

**7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards 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**

A. Any 4 or all of the above

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 in the campus. The institution believes in equality of all cultures and traditions as is evident from the fact that students belonging to different caste, religion, regions are studying without any discrimination. The institution has diverse socio-cultural background and different linguistic. The institution takes an initiative for celebrating commemorative days like Teachers Day, Women's day, Yoga day, and also celebrates the cultural and regional festivals like Ayudh Pooja celebration, Ganesha Festival. Motivational lectures of eminent persons of the field are arranged for all-round development of the students for their personality development and to make them responsible citizens following the national values of social and communal harmony and national integration. In this way the institute's efforts/initiatives in providing an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic, 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	<a href="#">View File</a>

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.

The students of ACSCE of all branches study constitution of India as a compulsory paper which sensitizes the students about constitutional obligations. Every year Republic Day is celebrated on 26th Jan by organizing activities highlighting the importance of Indian Constitution. Independence Day is also celebrated every year to highlight struggle of freedom and importance of Indian constitution.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="https://www.acsce.edu.in/iqac/">https://www.acsce.edu.in/iqac/</a>
Any other relevant information	<a href="https://www.acsce.edu.in/iqac/">https://www.acsce.edu.in/iqac/</a>

**7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff 4. Annual awareness programmes on Code of Conduct are organized**

A. All of the above

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	<a href="#">View File</a>

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 this include.

1. Republic day (26th Jan)
2. Independence day (15th August)
3. International Yoga day (21st June)
4. World Environmental day celebration (12th June)
5. Teachers day (5th Sept)
6. Engineers Day (15th Sept)

Our students are on a mission towards better India by breaking the boundaries of religion and caste. Thoughts of great Indian personalities sowed into the young minds through the exhibitions and programs conducted on these days. The institution practices pluralist approach towards all religion functions and encourages the students and faculty to showcase the same. Every year our institute organizes the national festivals and birth / death anniversaries of the great Indian personalities. Staff and students get to know the importance of national integrity in the country in general and their role in it in particular.

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	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 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 - I

1. Title of the Practice:- Transform students project into paper publication.

## 2. Objective;-

- To encourage students to opt Research and Development as career.

## 3. The Context:-

Innovation and creativity are the vital parameters for development of state-of-art technologies to meet challenges of globalization.

## 4. The Practice:

This event has a successful history of 3years

- It is an opportunity for showcasing the efforts and expertise in creating innovative solutions to real-world problems by engineering students.
- The students exhibit their project work along with papers, presentations and publications.

## 5. Evidence of success:

- Over the period of time there is a significant improvement in the quality of projects exhibited by the students.
- Due to interaction of industry professionals, small and medium scale entrepreneurs with students involved in conferences, seminars etc.

## Objectives of the practice

- To offer value added courses to students across disciplines in the niche areas in the IIT Bombay (Spoken Tutorials) mode

## 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

## 4. Evidence of Success

Total 15 value added software courses were offered and 543 students enrolled in these courses across departments.

File Description	Documents
Best practices in the Institutional website	<a href="https://www.acsce.edu.in/iqac/">https://www.acsce.edu.in/iqac/</a>
Any other relevant information	Nil

### 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

#### 1. About IIC (Institution Innovation Council)

- 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. 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 create a vibrant local innovation ecosystem
- Start-up supporting Mechanism in HEIs.

#### 3. Function of Institutions Innovation Council

- Promote innovation in the Institution through multitudinous modes leading to an innovation promotion eco-system in the campus.
- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bounded fashion.

#### 4. Benefits to Institute, Faculty and Students

- No major capital investment required for establishing IIC as it will make use of existing local ecosystem

- Win exciting Prizes/Certificates every month.
- Interact with Business Leaders and top-notch academicians.

File Description	Documents
Appropriate web in the Institutional website	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

1. To conduct an international conference on science, engineering and technology.
2. To apply for NBA accreditation for two departments such as Aerospace Engineering and Electronics and Communication Engineering.
3. To apply for second cycle NBA accreditation for CSE department.
4. To meet the industrial requirements in IT sector the intake in CSE will be upgraded and Introduction of Cyber security and Data Science courses.
5. To promote skill lab activities from the first semester onwards.
6. To organize national level foot ball tournament.
7. To promote quality enhancement initiatives in soft skills, career counselling and Audits placement activities.