



YEARLY STATUS REPORT - 2023-2024

| Part A | |
|--|-----------------------------|
| Data of the Institution | |
| 1.Name of the Institution | ACS COLLEGE OF ENGINEERING |
| • Name of the Head of the institution | ANANDTHIRTHA B GUDI |
| • Designation | PRINCIPAL |
| • Does the institution function from its own campus? | Yes |
| • Phone no./Alternate phone no. | 08028437956 |
| • Mobile no | 9448240189 |
| • Registered e-mail | principal@acsce.edu.in |
| • Alternate e-mail | principal.acsce@gmail.com |
| • Address | 207, Kambipura, Mysore road |
| • City/Town | Bangalore |
| • State/UT | Karnataka |
| • Pin Code | 560074 |
| 2.Institutional status | |
| • 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. | 08028437956 | | | | | | | | | | | | | | | | | | |
| • Alternate phone No. | 8884451258 | | | | | | | | | | | | | | | | | | |
| • Mobile | 8884451258 | | | | | | | | | | | | | | | | | | |
| • IQAC e-mail address | qualitycell@acsce.edu.in | | | | | | | | | | | | | | | | | | |
| • Alternate Email address | selvanandan@gmail.com | | | | | | | | | | | | | | | | | | |
| 3. Website address (Web link of the AQAR (Previous Academic Year)) | www.acsce.edu.in/iqac | | | | | | | | | | | | | | | | | | |
| 4. Whether Academic Calendar prepared during the year? | Yes | | | | | | | | | | | | | | | | | | |
| • if yes, whether it is uploaded in the Institutional website Web link: | https://www.acsce.edu.in/ | | | | | | | | | | | | | | | | | | |
| 5. Accreditation Details | | | | | | | | | | | | | | | | | | | |
| <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> <tr> <td>Cycle 2</td> <td>A</td> <td>3.12</td> <td>2022</td> <td>06/09/2022</td> <td>05/09/2027</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 2 | A | 3.12 | 2022 | 06/09/2022 | 05/09/2027 | |
| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to | | | | | | | | | | | | | | |
| Cycle 1 | A | 3.10 | 2016 | 02/12/2016 | 01/12/2021 | | | | | | | | | | | | | | |
| Cycle 2 | A | 3.12 | 2022 | 06/09/2022 | 05/09/2027 | | | | | | | | | | | | | | |
| 6. Date of Establishment of IQAC | 06/04/2015 | | | | | | | | | | | | | | | | | | |
| 7. Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc., | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

| Institutional/Department /Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|--|------------------------|---------------------------|-----------------------------|---------|
| Aeronautical Engineering | Grand in Aid | DRDO | 2023 & 2 Years | 1928400 |
| Fabrication and material characterization of samanea saman fruit for aerospace applications | Student Project Shceme | KCST | 2024 & 6 Months | 7000 |
| Pregnancy monitoring system using GSM Module | Student Project Shceme | KCST | 2024 & 6 Months | 4500 |
| IoT based aquaculture monitoring system | Student Project Shceme | KCST | 2024 & 6 Months | 5500 |
| Biometrically secured ATM surveillance system | Student Project Shceme | KCST | 2024 & 6 Months | 5500 |
| 8. Whether composition of IQAC as per latest NAAC guidelines | | Yes | | |
| <ul style="list-style-type: none"> • Upload latest notification of formation of IQAC | | View File | | |
| 9.No. of IQAC meetings held during the year | | 4 | | |
| <ul style="list-style-type: none"> • Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? | | Yes | | |
| <ul style="list-style-type: none"> • If No, please upload the minutes of the meeting(s) and Action Taken Report | | No File Uploaded | | |

| | |
|---|-----------|
| 10. Whether IQAC received funding from any of the funding agency to support its activities during the year? | No |
| <ul style="list-style-type: none"> • If yes, mention the amount | |
| 11. Significant contributions made by IQAC during the current year (maximum five bullets) | |
| <p>Skill Development Initiatives: Successfully conducted various skill development courses and workshops across departments to enhance student and faculty competencies. NBA Accreditation: Facilitated and achieved NBA accreditation for the Aerospace Engineering (AS) and Electronics & Communication Engineering (ECE) departments. Research Funding: Secured significant research funding through collaborative efforts, enabling faculty and students to undertake advanced research projects. MoUs with Industry and Academia: Signed multiple Memorandums of Understanding (MoUs) with leading industries and academic institutions to foster collaborations in research, internships, and knowledge sharing. Promotion of Research and Innovation: Organized conferences, seminars, and hackathons to promote research culture and innovation among students and faculty.</p> | |
| 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 | |
| | |

| Plan of Action | Achievements/Outcomes |
|---|---|
| To achieve autonomous status in the next academic year. | Autonomous application will be submitted in the academic year 2025-2026 |
| Conduct faculty development programs to enhance teaching methodologies, incorporate innovative pedagogical approaches, and improve subject matter expertise. | Aeronautical Department has conducted ATAL FDP on Drone Technology and all the other departments have organized and motivated faculty members to undergo FDP to upskill themselves in latest technologies. |
| Incorporate experiential learning opportunities, such as internships, industry projects, and research experiences. | As per the VTU curriculum the internship is made mandatory to all the UG students and students were motivated to apply research funding for their final year project to KCSCT. |
| Promote extracurricular activities, clubs, and student organizations to foster leadership skills, teamwork, and a sense of community among students. | ACSCE organized many events such as National Level Technical Symposium, intercollegiate sports tournaments, cultural fests, skill development seminars, and workshops, while supporting student clubs, community engagement programs, and social outreach initiatives. |
| Foster strong partnerships with industry stakeholders, alumni, government agencies, and the local community to facilitate collaborative projects, internships, and job placements for students. | ACSCE fostered strong partnerships with industry stakeholders, alumni, government agencies, and the local community by hosting an Alumni Meet on 15th August 2023, signing 30+ MoUs with leading organizations, and conducting extensive placement training activities, facilitating collaborative projects, internships, and job opportunities for students. |
| 13. Whether the AQAR was placed before statutory body? | Yes |

- Name of the statutory body

| Name | Date of meeting(s) |
|-------------------|--------------------|
| Governing Council | 13/01/2025 |

14. Whether institutional data submitted to AISHE

| 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 | 668 |
| Number of courses offered by the institution across all programs during the year | |
| File Description | Documents |
| Data Template | View File |
| 2.Student | |
| 2.1 | 1697 |
| Number of students during the year | |
| File Description | Documents |
| Institutional Data in Prescribed Format | View File |
| 2.2 | 234 |
| Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year | |
| File Description | Documents |
| Data Template | View File |
| 2.3 | 275 |
| Number of outgoing/ final year students during the year | |
| File Description | Documents |
| Data Template | View File |
| 3.Academic | |
| 3.1 | 142 |
| Number of full time teachers during the year | |
| File Description | Documents |
| Data Template | View File |
| 3.2 | 142 |
| Number of sanctioned posts during the year | |

| File Description | Documents |
|---|---------------------------|
| Data Template | View File |
| 4. Institution | |
| 4.1 Total number of Classrooms and Seminar halls | 40 |
| 4.2 Total expenditure excluding salary during the year (INR in lakhs) | 745.8 |
| 4.3 Total number of computers on campus for academic purposes | 840 |
| 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 | |
| <p>ACS College of Engineering is affiliated with Visvesvaraya Technological University (VTU) and follows the curriculum and syllabus set by VTU for each program. This includes prescribed teaching hours and evaluation methods. The institution adheres to a well-structured process for effectively delivering academic content in alignment with the university's curriculum. VTU periodically revises the curriculum and syllabus to incorporate emerging trends and developments at the national and global levels. Suggestions for curriculum updates are communicated through the heads of departments to the University's board of studies.</p> <p>The institution implements curricular and co-curricular activities according to an academic calendar, which outlines a time-bound plan for various academic processes. Each department prepares its own departmental academic calendar, detailing activities such as internal assessments, value-added courses, seminars/webinars and industrial visits all in line with the semester's curriculum. The institution maintains comprehensive documentation in accordance with university procedures within each department and the principal's office. This includes timetables, course files, calendars of events, minutes from HoDs meetings and reports on various activities</p> | |

conducted.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |
| Link for Additional information | Nil |

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

The institution prepares its academic calendar in alignment with the Visvesvaraya Technological University calendar of events. This calendar includes details such as working days, holidays, internal assessment dates, practical examination dates, schedules for workshops, seminars, industrial visits, sports day, cultural day and the last working day of the semester. Once drafted, the calendar is submitted to the Principal for approval to ensure compliance with the Continuous Internal Evaluation (CIE) system and the academic schedule.

Academic Calendar Planning: At the start of each semester, the Principal convenes a meeting with the head of departments and faculty members. Regular meetings between HoDs and their faculty teams are held to develop academic plans based on the available working days.

Internal Examinations: Internal tests are generally conducted every 30 working days to monitor student progress. Each semester includes three internal assessments, with question papers prepared by faculty and approved by the respective HoDs. The internal examinations are evaluated in an unbiased and transparent manner. Additionally, the institution organizes special lectures, workshops and seminars, inviting experts from various fields to share their knowledge and insights with the students. In case of unforeseen circumstances, the academic calendar is revised and updated under the guidance and approval of the Principal.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |
| Link for Additional information | Nil |

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

A. All of the above

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

| File Description | Documents |
|--|---------------------------|
| Details of participation of teachers in various bodies/activities provided as a response to the metric | View File |
| Any additional information | View File |

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

11

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

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)

22

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| Brochure or any other document relating to Add on /Certificate programs | View File |
| List of Add on /Certificate programs (Data Template) | View File |

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

48.54

| File Description | Documents |
|---|---------------------------|
| Any additional information | View File |
| Details of the students enrolled in Subjects related to certificate/Add-on programs | View File |

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 incorporates key societal issues such as moral values, human values, professional ethics, ethical values, gender equality and environmental awareness into its curriculum, as mandated by its affiliating university, VTU. An orientation/induction program for first-year students is conducted as an essential part of the curriculum, focusing on values and ethics.

For instance, Environmental Awareness is a mandatory course for all Bachelor of Engineering students and passing this course is a prerequisite for awarding final grades. Environmental issues are thoroughly addressed in the classroom as part of the Environmental Studies, which includes topics such as the scope and nature of environmental science, natural resources, ecosystems, biodiversity, pollution, social and population issues.

The institution places significant emphasis on contemporary environmental consciousness and sustainable development, with topics like Solid Waste Management. Additionally, various departments organize talks on human values, focusing on themes such as gender equality, women's empowerment and skill development. These

initiatives aim to nurture students character, enabling them to achieve excellence and contribute meaningfully to society in the future.

| File Description | Documents |
|---|---------------------------|
| Any additional information | View File |
| Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum. | View File |

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

16

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

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

936

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| List of programmes and number of students undertaking project work/field work/ /internships (Data Template) | View File |

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 | Nil |
| 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 | Nil |

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

558

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

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

411

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

2.2 - Catering to Student Diversity

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

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

The institution implements a comprehensive mentoring and guidance framework to assess students' learning potential, starting with an Orientation/Induction program for newcomers. In the early phase, evaluations are conducted using their IInd PUC marks and entrance test results. As students' progress through their academic journey, their capabilities are further analysed based on yearly academic results, engagement in class discussions, active participation in debates, and performance in mid-term assessments, providing a well-rounded perspective on their development. The students are considered as Slow learners if they score marks below 50% of the total CIE marks, Assignment marks, Semester End Examinations and also, their performance and participation in labs and other activities. Students achieving above 75% marks are identified as Advanced Learners. The insights provided by mentors significantly enhance the understanding of each student's individual progress and abilities.

Remedial classes and Bridge course will be conducted for slow learners. Advanced Learners are motivated to actively engage in presenting papers at Seminars, Conferences, Workshops, and Intercollegiate Competitions. Outstanding students from each semester in their respective departments are recognized with a certificate of merit. Additionally, they are encouraged to take part in diverse activities through various student clubs and forums.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.acsce.edu.in/naac-cycle-2/ |
| Upload any additional information | View File |

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

| Number of Students | Number of Teachers |
|--------------------|--------------------|
| 1688 | 122 |

| File Description | Documents |
|----------------------------|------------------|
| Any additional information | No File Uploaded |

2.3 - Teaching- Learning Process

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

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

A key strength of our college lies in its teaching and learning process. Students benefit from a balanced approach that combines traditional techniques with modern methods, ensuring a student-focused learning environment that provides a highly enriching experience.

1. **Experiential Learning:** Students are motivated to undertake projects that incorporate Most Recent Technologies and modern software tools. Final-year students, guided by their project mentors, explore various challenges and carry out in-depth investigations within the timeframe set by the university. Additional activities include industrial visits, surveys, and participation in competitions.
2. **Participative Learning:** Students are inspired to engage in activities of professional organizations such as IEEE, ISTE, IETE, and others. Also, The college facilitates various initiatives to foster: (i) Teamwork and collaboration through NSS camps, (ii) Social responsibility via programs like Red Cross activities, village adoption, tree plantation drives, Swachh Bharat campaigns, and health awareness initiatives.

These efforts help students develop teamwork skills while contributing to social and community welfare.

1. **Problem-solving Methodology:** Students actively participate in research projects, product design, and development activities organized by each department. Under the mentorship of research scholars, they gain insights into emerging fields and cultivate a research-oriented mindset.

| File Description | Documents |
|-----------------------------------|---|
| Upload any additional information | View File |
| Link for additional information | https://www.acsce.edu.in/naac-cycle-2/ |

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

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

ACSCE provides extensive resources to support teaching and learning, including many numbers of computers in the Engineering departments and library, high-speed internet access, ICT-enabled classrooms, and smart classrooms. The institution fosters strong ICT awareness among students and faculty, with all faculty members proficiently utilizing ICT tools to enhance the teaching-learning process. Key ICT-enabled practices include:

1. **Google Classroom:** Used for managing and sharing course-related materials, quizzes, lab submissions, evaluations, assignments, and more.
2. **Virtual Labs:** Facilitate lab sessions through simulations, enabling a hands-on experience in a virtual environment.
3. **Online Drawing Tools:** Concept maps and mind maps are employed for interactive, student-centered activities.
4. **Multimedia Presentations:** PowerPoint presentations enriched with animations and simulations improve understanding and engagement.
5. **Open Problem-Solving Training:** Online learning platforms are designed to encourage students to tackle open-ended problems collaboratively.
6. **Pre-Delivered Lab Manuals:** Students receive lab manuals via email in advance, ensuring thorough preparation before performing experiments.

- 7. **Online Quizzes and Polls:** Regularly conducted to gather student feedback and assess learning progress.
- 8. **Mathematical Tools in Online Mode:** Teachers use digital tools like the Microsoft Teams whiteboard and Google Meet Jamboard to teach mathematical concepts effectively during online sessions.

These initiatives aim to create a dynamic, interactive, and technology-driven learning environment for students.

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | View File |
| Provide link for webpage describing the ICT enabled tools for effective teaching-learning process | No File Uploaded |

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

104

| File Description | Documents |
|--|---------------------------|
| Upload, number of students enrolled and full time teachers on roll | View File |
| Circulars pertaining to assigning mentors to mentees | View File |
| Mentor/mentee ratio | No File Uploaded |

2.4 - Teacher Profile and Quality

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

102

| File Description | Documents |
|--|---------------------------|
| Full time teachers and sanctioned posts for year (Data Template) | View File |
| Any additional information | No File Uploaded |
| List of the faculty members authenticated by the Head of HEI | View File |

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

20

| 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) | View File |

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

486

| File Description | Documents |
|--|---------------------------|
| Any additional information | No File Uploaded |
| List of Teachers including their PAN, designation, dept. and experience details(Data Template) | View File |

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 complies with the Continuous Internal Evaluation Procedure as prescribed by VTU, adhering to the latest applicable

guidelines. At the start of their first academic year, students are provided with copies of the syllabus, which detail the rules and processes for assessment and evaluation. A structured approach is followed for conducting internal assessments across various academic components, including theory subjects, laboratory sessions, seminars, internships, and project work. The academic calendar, prepared in advance by faculty members and approved by the principal, outlines the schedule for internal assessments. This information is communicated to students at the beginning of each semester to ensure transparency and preparedness. To keep parents informed of their ward's performance, all Internal Assessment Test marks are recorded and shared using the ACS College ERP Software. Additionally, the institution implements a student feedback mechanism at the end of each semester. This process gathers insights to enhance teaching practices, improve infrastructure, and enrich the overall learning environment. The feedback collected serves as a crucial measure of student satisfaction and helps identify areas for institutional development. Furthermore, parents are invited to participate in review meetings at least once per semester to discuss their child's academic progress, providing an opportunity for collaborative support and guidance. This comprehensive approach to internal evaluation, communication, and continuous improvement aims to foster academic excellence and a supportive learning environment, ensuring students receive quality education and a positive collegiate experience.

| File Description | Documents |
|---------------------------------|---|
| Any additional information | View File |
| Link for additional information | https://www.acsce.edu.in/naac-cycle-2/ |

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

Each department appoints examination coordinators and non-teaching staff to ensure the smooth conduct of internal examinations. A senior faculty member serves as the Deputy Chief Superintendent (Internal), supported by teaching and non-teaching personnel, to facilitate the efficient administration of external university examinations. The institution strictly adheres to the guidelines and regulations prescribed by VTU for both internal and external assessments. According to VTU requirements, students must achieve a minimum of 60% in the university examination and 40% in internal tests for both theoretical and laboratory subjects. Internal test marks are promptly communicated to students and parents through the

college's ERP system. Grievances related to assessments are resolved through class committee meetings, parent-teacher discussions, and mentoring sessions. Issues concerning university examination questions, syllabus coverage, or related matters are conveyed to the university by the Head of the Institution. Students have the right to request photocopies of their evaluated answer scripts and can apply for reevaluation of their end-of-semester examinations. This allows them to review their performance and seek further evaluation if necessary. This comprehensive and transparent examination management system promotes fairness, accountability, and continuous academic support for students.

| File Description | Documents |
|---------------------------------|---|
| Any additional information | View File |
| Link for additional information | https://www.acsce.edu.in/naac-cycle-2/ |

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 departments within the institution implement the Program Outcomes (POs) established by the National Board of Accreditation (NBA), New Delhi, which must be achieved by all higher education programs. Each department also defines its own Program Specific Outcomes (PSOs), ensuring alignment with the institution's and department's vision, mission, and graduate attributes. Course Outcomes (COs) for each subject are either clearly specified in the syllabus or developed by the responsible faculty member in collaboration with senior faculty and the Head of the Department (HoD). Information on POs, Program Educational Objectives (PEOs), PSOs, and COs is made accessible on the institution's website (www.acsce.edu.in). Additionally, this information is prominently displayed in various locations, including classrooms, laboratories, departmental notice boards, HoD offices, departmental libraries, newsletters, and laboratory manuals. COs for individual courses are also shared through Course Delivery Plans, classroom displays, internal assessment (IA) test papers, course materials, and admission brochures, ensuring effective communication with students, faculty, and staff.

| File Description | Documents |
|---|---|
| Upload any additional information | View File |
| Paste link for Additional information | https://www.acsce.edu.in/naac-cycle-2/ |
| 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.

The achievement of course outcomes (COs) is evaluated through a systematic assessment process involving several steps:

Step 1: Defining Course Outcomes

Faculty members either use the existing course outcomes outlined in the evaluation scheme or create new ones if necessary. These outcomes are reviewed and approved by the respective Heads of Departments (HoDs).

Step 2: Calculation of CO Weightage

The percentage of marks corresponding to each CO in both the university (external) exams and internal assessments is identified. The average weightage for each CO is determined by calculating the mean of these percentages across external and internal evaluations.

Step 3: Distribution of Examination Weightage

The total marks from external and internal examinations are weighted based on the university's curriculum structure. The class average marks from these examinations are then used to calculate CO attainment.

Step 4: Attainment Measurement

The attainment of COs is assessed through a combination of direct and indirect methods. Direct Assessment Process (DAP) carries an 80% weightage, while Indirect Assessment Process (IAP) carries 20%.

- **Direct Assessment (DAP):** Includes Internal Assessment (IA) with a 30% weightage and External Examination with a 70% weightage. Internal Assessment tools, such as tests and assignments, are evaluated and recorded by the faculty

handling the course.

- **Indirect Assessment (IAP):** Involves feedback and other indirect evaluation methods.

This structured approach ensures a comprehensive evaluation of students' achievement of course outcomes.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for Additional information | https://www.acsce.edu.in/naac-cycle-2/ |

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

239

| File Description | Documents |
|--|---|
| Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template) | View File |
| Upload any additional information | No File Uploaded |
| Paste link for the annual report | https://www.acsce.edu.in/naac-cycle-2/ |

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)

19.50

| File Description | Documents |
|---|---------------------------|
| Any additional information | No File Uploaded |
| e-copies of the grant award letters for sponsored research projects /endowments | View File |
| List of endowments / projects with details of grants(Data Template) | View File |

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**

24

| File Description | Documents |
|---|---------------------------|
| Any additional information | View File |
| Institutional data in prescribed format | View File |

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**

5

| File Description | Documents |
|---|---------------------------|
| List of research projects and funding details (Data Template) | View File |
| Any additional information | No File Uploaded |
| Supporting document from Funding Agency | View File |
| 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 | https://www.acsce.edu.in/naac-cycle-2/ |

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

19

| File Description | Documents |
|--|---------------------------|
| Report of the event | View File |
| Any additional information | No File Uploaded |
| List of workshops/seminars during last 5 years (Data Template) | View File |

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 | https://www.acsce.edu.in/naac-cycle-2/ |
| List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template) | View File |
| Any additional information | View File |

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

47

| File Description | Documents |
|--|---------------------------|
| Any additional information | View File |
| List of research papers by title, author, department, name and year of publication (Data Template) | View File |

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

13

| File Description | Documents |
|---|---------------------------|
| Any additional information | View File |
| List books and chapters edited volumes/ books published (Data Template) | View File |

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 | https://www.acsce.edu.in/naac-cycle-2/ |
| 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

2

| File Description | Documents |
|--|---------------------------|
| Any additional information | No File Uploaded |
| Number of awards for extension activities in last 5 year (Data Template) | View File |
| e-copy of the award letters | View File |

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

24

| File Description | Documents |
|--|---------------------------|
| Reports of the event organized | View File |
| Any additional information | No File Uploaded |
| Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template) | View File |

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

3080

| File Description | Documents |
|--|---------------------------|
| Report of the event | View File |
| Any additional information | No File Uploaded |
| Number of students participating in extension activities with Govt. or NGO etc (Data Template) | View File |

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**

141

| File Description | Documents |
|--|---------------------------|
| e-copies of related Document | View File |
| Any additional information | No File Uploaded |
| Details of Collaborative activities with institutions/industries for research, Faculty | View File |

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**

15

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

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 cocurricular 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, 49 laboratories, smart classrooms, 05 seminar halls, rest rooms and 12 common rooms. Subsequently, the institution has supporting academic and administrative rooms. The institution has adequate ventilated classrooms and illumination, and is equipped with ICT tools like portable projector, internet connectivity. Each department has well equipped Laboratories, Seminar halls and Department Library. The existing physical infrastructure is preferably utilize beyond regular institute hours, to co/extracurricular activities, campus recruitments, meetings, seminar, conferences etc. Each faculty of the institution have wellfurnished separate cabins with the optimistic ambience for interaction with the students who come for guidance, counseling and discussions.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| Paste link for additional information | Nil |

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 cocurricular and extracurricular activities of the institution. The institution has also carried forward the bequest of society by supporting the co-curricular and extracurricular at their level. The institution aims to create that every student to become model citizens of the nation not only in academically fit but also physically fit to face the challenges of the real world. In this aspect, the institution has following outdoor and indoor sports and cultural facilities: The institution has a vast playground facility inclusive of cricket ground, volleyball ground, football ground, basketball ground etc. Well established Indoor games courts and halls to promote the sports and yoga classes activities. Well-equipped auditorium to conduct the cultural events. The institution encourages and allows the students to participate in the competitions at University, State, Intra colligate sports and cultural competitions. The students who represent the institution in

various sports and cultural events the management provides with necessary materials and paid TA / DA. The student's achievements are acknowledged by felicitating in the institute level functions. The institution also conducts events such as Chairman Trophy Tournaments, inter colligate sports and cultural competitions. The institute prepares separate budget for organization of various sports and cultural events. RRMCH supports the students and staffs for any medical emergency and provides ambulance / vehicle available for the medical emergency.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| Paste link for additional information | Nil |

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

34

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | View File |
| Paste link for additional information | Nil |
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | View File |

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)

876.18

| File Description | Documents |
|--|---------------------------|
| Upload any additional information | View File |
| Upload audited utilization statements | No File Uploaded |
| Upload Details of budget allocation, excluding salary during the year (Data Template | View File |

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 ILMS 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 introdiscrete 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 | View File |
| Paste link for Additional Information | Nil |

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 | View File |
| Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership etc (Data Template) | View File |

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)

33.97

| File Description | Documents |
|--|---------------------------|
| Any additional information | View File |
| 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) | View File |

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

143.9

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

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 WiFi 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.

| File Description | Documents |
|---------------------------------------|---------------------------|
| Upload any additional information | View File |
| Paste link for additional information | Nil |

4.3.2 - Number of Computers

726

| File Description | Documents |
|-----------------------------------|---------------------------|
| Upload any additional information | No File Uploaded |
| List of Computers | View File |

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 | View File |

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)

1348.27

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | View File |
| Audited statements of accounts | No File Uploaded |
| Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates) | View File |

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.

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

Classrooms with furniture, teaching aids and laboratories are maintained 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 office periodically for all the maintenance works.

Maintenance of Library

Orderly stacking of booking is ensured by librarian and support team for easy accessioning of books. The library staffs are clearly instructed in the care and handling of library documents.

Books movements register and student's entry register is maintained using the software. Books can be borrowed using their own identity card. 3 books allowed for under-graduate student and 5 books for post-Graduate student with borrowing period of 15 days. Renewal is allowed, if there is no demand for the same book, from other readers. For late submission of books, a minimum overdue charge collected from the students.

Proper pest management is done to minimize the problems caused by insects, cockroaches and Rats.

Dust should not be allowed to deposit on the documents because the collection of dust causes staining of documents. Cleaning should be done regularly and carefully.

| File Description | Documents |
|---------------------------------------|------------------|
| Upload any additional information | No File Uploaded |
| Paste link for additional information | Nil |

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

580

| File Description | Documents |
|--|---------------------------|
| Upload self attested letter with the list of students sanctioned scholarship | View File |
| 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) | View File |

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

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

28

| File Description | Documents |
|--|---------------------------|
| Upload any additional information | View File |
| Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template) | View File |

| 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 | A. All of the above | | | | | | | | |
|---|---|-----------|-------------------------------|---|---|---------------------------|---|---------------------------|--|
| <table border="1"> <thead> <tr> <th data-bbox="113 557 730 655">File Description</th> <th data-bbox="730 557 1950 655">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="113 655 730 795">Link to Institutional website</td> <td data-bbox="730 655 1950 795">https://www.acsce.edu.in/naac-cycle-2/</td> </tr> <tr> <td data-bbox="113 795 730 884">Any additional information</td> <td data-bbox="730 795 1950 884">View File</td> </tr> <tr> <td data-bbox="113 884 730 1071">Details of capability building and skills enhancement initiatives (Data Template)</td> <td data-bbox="730 884 1950 1071">View File</td> </tr> </tbody> </table> | File Description | Documents | Link to Institutional website | https://www.acsce.edu.in/naac-cycle-2/ | Any additional information | View File | Details of capability building and skills enhancement initiatives (Data Template) | View File | |
| File Description | Documents | | | | | | | | |
| Link to Institutional website | https://www.acsce.edu.in/naac-cycle-2/ | | | | | | | | |
| Any additional information | View File | | | | | | | | |
| Details of capability building and skills enhancement initiatives (Data Template) | View File | | | | | | | | |
| 5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year | | | | | | | | | |
| 13 | | | | | | | | | |
| 5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year | | | | | | | | | |
| 13 | | | | | | | | | |
| <table border="1"> <thead> <tr> <th data-bbox="113 1558 730 1656">File Description</th> <th data-bbox="730 1558 1950 1656">Documents</th> </tr> </thead> <tbody> <tr> <td data-bbox="113 1656 730 1745">Any additional information</td> <td data-bbox="730 1656 1950 1745">View File</td> </tr> <tr> <td data-bbox="113 1745 730 2021">Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)</td> <td data-bbox="730 1745 1950 2021">View File</td> </tr> </tbody> </table> | File Description | Documents | Any additional information | View File | Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template) | View File | | | |
| File Description | Documents | | | | | | | | |
| Any additional information | View File | | | | | | | | |
| Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template) | View File | | | | | | | | |
| 5.1.5 - The Institution 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 | View File |
| Upload any additional information | No File Uploaded |
| Details of student grievances including sexual harassment and ragging cases | No File Uploaded |

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

95

| File Description | Documents |
|--|---------------------------|
| Self-attested list of students placed | View File |
| Upload any additional information | View File |
| Details of student placement during the year (Data Template) | View File |

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

17

| File Description | Documents |
|--|---------------------------|
| Upload supporting data for student/alumni | View File |
| Any additional information | No File Uploaded |
| Details of student progression to higher education | View File |

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

9

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

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.**

10

| File Description | Documents |
|--|---------------------------|
| e-copies of award letters and certificates | View File |
| 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) | View File |

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)

Every class has class representatives to play roles in promoting peer-to-peer learning and other related activities for the holistic development of students. The students represent their views in

subjects, syllabus coverage, and other related issues and problems. Student's feedback is actively taken regarding academics, various amenities such as infrastructure, library, canteen, etc. The students are also the members of the cultural and sports committee. The institute has formed an Anti-Ragging and Disciplinary Committee to check any incident of ragging and to maintain discipline in the college. Each class has an advisory committee that interacts with the head of the department and also shares ideas, interests, and concerns regarding subjects and syllabi. Alumni and final-year class representatives are also members of the Internal Quality Assurance Cell (IQAC), in which they provide suggestions to enhance the quality of education.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.acsce.edu.in/naac-cycle-2/ |
| 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

87

| File Description | Documents |
|---|---------------------------|
| Report of the event | View File |
| 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) | View File |

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

Yes, ACSCE has registered Alumni Association (JNR-S222-2014-15).

"An institution's alumni are the reflection of its past, representation of its present, and a link to its future." Alumni play a crucial role as global ambassadors for the education industry. Our alumni participate in various developmental activities at the institution through their significant contributions. Every year, we conduct an alumni meet. Our alumni regularly interact with our students to create corporate awareness, expose students to the latest technological trends, and prepare them through competitive training programs, assisting the college in getting placement for the students. Our alumni will present webinars on advanced topics. We also hold department-specific alumni meetings at least once a year.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.acsce.edu.in/naac-cycle-2/ |
| Upload any additional information | No File Uploaded |

5.4.2 - Alumni contribution during the year (INR in Lakhs)

A. ? 5Lakhs

| File Description | Documents |
|-----------------------------------|------------------|
| Upload any additional information | No File Uploaded |

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Vision

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

Mission

To implement holistic approach in curriculum and pedagogy through Industry Integrated Interactions to meet the needs of Global Engineering Environment. To develop students with knowledge, attitude and skill of employability, entrepreneurship (Be Job creators than job seekers), research potential and professionally

ethical citizens.

The institute upholds best practices in governance and leadership, guided by its clear Vision and Mission statements, which reflect a strong commitment to delivering quality education. The institution is dedicated to empowering youth and women, providing engineering education through a dynamic teaching-learning approach, while continuously updating knowledge and skills to align with global industrial and technological advancements.

The Governing Council meets regularly to ensure the effective execution of policies and to monitor academic performance. It is responsible for approving the strategic plan, vision, mission, and budget, all of which are aligned with the framework developed by the IQAC, led by the principal.

The IQAC plays a crucial role in overseeing the various committees that focus on teaching quality, student development, and the overall growth of the institution. It evaluates areas needing improvement and suggests actionable strategies to further the institution's progress.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.acsce.edu.in/vision-mission/ |
| Upload any additional information | View File |

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

Internal Quality Assurance Cell - IQAC:

ACS College of Engineering has been accredited by the National Assessment and Accreditation Council (NAAC) with a CGPA of 3.12 and 'A' grade, valid for five years starting from September 2022. As part of its action plan to align with the institute's Vision and Mission, NAAC recommends the establishment of an Internal Quality Assurance Cell (IQAC) as a key measure for quality sustenance. Given that quality enhancement is an ongoing process, the IQAC becomes an integral part of the institution's framework, working continuously towards the goals of quality improvement and sustainability.

At ACS College of Engineering, the primary responsibility of the IQAC is to create a system that fosters conscious, consistent, and catalytic improvements in the performance of various departments. The IQAC plays a pivotal role in coordinating and streamlining the institution's efforts, ensuring that these actions lead to sustained academic excellence.

OBJECTIVES:

- The goal is to establish a quality system that fosters conscious, consistent, and catalytic actions aimed at improving both the academic and administrative performance of ACS College of Engineering.
- Additionally, the aim is to promote initiatives that enhance the institution's quality by internationalizing the culture of excellence and institutionalizing best practices.

ROLES AND RESPONSIBILITIES:

ROLES:

- Assesses the progress in achieving the Vision and Mission across various departments and implements necessary changes to drive continuous improvement.
- Also, oversees the overall progress toward fulfilling the Institute's Vision and Mission.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.acsce.edu.in/event/naac-appreciation-by-the-management/ |
| Upload any additional information | View File |

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

6.2.1: The institutional Strategic/ perspective plan is effectively deployed Institutional Strategic Plans are formed in the following categories:

Reimagining Campuses:

- Enhancing physical infrastructure
- Advancing digital infrastructure for teaching and learning
- Strengthening the library and information center
- Establishing robust quality assurance systems

Commitment to Indigenous Values:

- Promoting research, development, and innovation
- Ensuring sound financial planning and management

Inspiring People:

- Fostering a high-performing institution
- Developing leadership and building institutional capabilities
- Ensuring a healthy and safe workplace

Life-Ready Graduates:

- Expanding placements, internships, and career opportunities
- Cultivating graduate attributes
- Promoting student-centered well-being

Engagement Priorities:

- Strengthening industry-institute partnerships
- Engaging in community service and outreach activities
- Enhancing alumni interaction and engagement
- Securing permanent affiliation and accreditation for all programs
- Establishing centers of excellence

Strategy Implementation and Monitoring:

The strategic development plan is submitted for approval by the Governing Body, following which the implementation phase begins. The Internal Quality Assurance Cell (IQAC) oversees the implementation process, ensuring that progress is systematically monitored and measured at regular intervals.

Deployment:

The plans devised by the management and principal are communicated to faculty, students, staff, and other stakeholders through meetings, emails, and various other channels. The IQAC has appointed

coordinators to periodically review the implementation progress and ensure alignment with the strategic plan.

The institution is proud to emphasize that the strategic plan has been successfully implemented, particularly in the establishment of centers of excellence.

| File Description | Documents |
|--|---|
| Strategic Plan and deployment documents on the website | View File |
| Paste link for additional information | https://www.acsce.edu.in/naac-cycle-2/ |
| 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.

Governance and Policy Implementation:

The Governing Body (GB), constituted in compliance with the Statutory Regulatory Authorities (SRA), plays a pivotal role in reviewing decisions, policies, and planning. Regular GB meetings are conducted to ensure the effective implementation of policies and to monitor enhancements in academic processes.

Action Planning and Execution:

Action plans for implementation are developed under the guidance of the Principal and Heads of Departments. These policies aim to foster the holistic development of students.

Committees and Oversight:

The institution has various committees led by coordinators who design and execute development activities. The Internal Quality Assurance Cell (IQAC) oversees the functioning of these committees, focusing on teaching-learning processes, student enrichment, and overall institutional development. It identifies areas for improvement and recommends corrective actions.

Service and Operational Framework:

The institution's appointment and service rules, along with its procedures, reflect a commitment to effective and efficient

functioning, contributing to the institution's growth and success.

| File Description | Documents |
|---|---|
| Paste link for additional information | https://www.acsce.edu.in/naac-cycle-2/ |
| Link to Organogram of the institution webpage | https://www.acsce.edu.in/naac-cycle-2/ |
| Upload any additional information | View File |

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 | View File |
| Screen shots of user inter faces | No File Uploaded |
| Any additional information | View File |
| Details of implementation of e-governance in areas of operation, Administration etc(Data Template) | View File |

6.3 - Faculty Empowerment Strategies

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

The Institution prioritizes the welfare of its staff and implements various measures to support both teaching and non-teaching employees. The welfare initiatives include:

1. Group insurance coverage.
2. Provision of medical and maternity leave for eligible staff members.
3. Access to a gym for all staff.
4. Medical facilities available at the sister concern, RajaRajeswari Medical College & Hospital.
5. Minimal charges for staff transportation services.
6. Promotion of savings habits and social security through

adherence to PF rules, along with E.S.I. benefits for eligible employees to cover medical needs.

7. Sponsorship for a significant number of faculty members to participate in national and international conferences.
8. Free Wi-Fi and internet facilities provided on campus.
9. Individual cabins for faculty members to create a conducive working environment.
10. Regular Faculty Development Programs (FDP) to help faculty upgrade their skills.
11. Skill development courses for non-teaching staff to enhance their workplace competencies.
12. Encouragement for young faculty members to pursue vibrant research careers, including sponsorship for registration fees for their publications.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.acsce.edu.in/naac-cycle-2/ |
| Upload any additional information | View File |

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

33

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | No File Uploaded |
| Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template) | View File |

6.3.3 - Number of professional development /administrative training 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

32

| File Description | Documents |
|--|---------------------------|
| Reports of the Human Resource Development Centres (UGCASC or other relevant centres). | View File |
| 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) | View File |

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

68

| 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) | View File |

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

The Institution adheres strictly to the recruitment and promotional policies mandated by the University, the All India Council for Technical Education (AICTE), and the Government of Karnataka. Faculty performance is evaluated based on feedback collected after every internal assessment. This feedback is analyzed, and constructive suggestions are provided for improvement. Faculty

members who contribute significantly to research through quality publications during the academic year are recognized and rewarded under the institution's Research Incentive Scheme.

Annual appraisals are conducted based on the self-appraisal report and the Principal's evaluation. Heads of Departments (HODs) communicate with underperforming faculty members, and a consolidated list of such staff is sent to management. Management engages in one-on-one interactions with these faculty members to understand their challenges and provide guidance for performance enhancement.

For Non-Teaching Staff:

The performance of non-teaching staff is assessed annually based on feedback provided by faculty members and HODs. Constructive suggestions for improvement are shared with the staff. Appraisals are conducted based on the self-appraisal report and the evaluation by the HODs to ensure continuous development and enhanced performance.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.acsce.edu.in/naac-cycle-2/ |
| Upload any additional information | View File |

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

Robust Financial Management System

To ensure the effective and efficient utilization of financial resources for infrastructure development and academic processes, the Institution has established a well-structured financial management system.

Key Components

1. Annual Budgeting:

- A detailed annual budget is developed to allocate funds for both recurring and non-recurring expenditures.

2. Internal Audit Team:

- A dedicated internal audit team monitors financial operations, comprising:
 - Dr. Anandthirtha B Gudi (Principal)
 - Mrs. Vidya (Accounts Officer)
 - Mrs. Roopa (Accountant)
 - Ms. Rashmi (Accountant)

3. Audit Objectives:

- **Cash Flow and Fund Management:** Assessing the adequacy of internal cash flow systems and overall fund management.
- **Policy Compliance:** Ensuring adherence to financial policies and procedures as outlined in the financial manual.

4. Audit Methodology:

- **Transaction Review:** Scrutinizing bank and cash transactions for accuracy and compliance.
- **Ledger and Register Analysis:** Examining ledgers for fixed assets, cash books, advance registers, and bank reconciliation statements.
- **Document Verification:** Verifying purchase records, advance settlements, fixed assets, and interest income documentation.
- **Cash Flow Controls:** Evaluating processes for managing improper receipts, accounting discrepancies, opening balances, and petty cash transactions.
- **Scrutiny Report Review:** Analyzing previous audit reports to identify trends and areas for improvement.

Outcomes of the Audit Process

Through this meticulous internal audit system, the Institution aims to:

- **Enhance Transparency:** Ensure transparency in financial operations.
- **Strengthen Controls:** Fortify internal controls to mitigate financial risks.
- **Optimize Resource Utilization:** Maximize the effective use of resources for infrastructure and academic initiatives.
- **Foster Accountability:** Promote accountability among all stakeholders involved in financial management.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.acsce.edu.in/naac-cycle-2/ |
| Upload any additional information | View File |

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)

| 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) | View File |

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

Strategic Financial Management for Institutional Growth

The Institution emphasizes responsible financial management to ensure the efficient and effective utilization of resources across academic, administrative, and development functions. This commitment directly aligns with and supports the achievement of the Institution's Vision and Mission.

Key Components

- **Structured Fund Mobilization:**

A clearly defined process ensures a consistent flow of resources through organized fundraising efforts.

- **Strategic Resource Allocation:**

Funds are allocated following the guidelines outlined in Chapter 7 of the service manual, which specifies the proper use of funds and

assigns spending authority across departments.

- **Variance Analysis:**

Regular variance reports compare approved budgets with actual expenses, facilitating timely and informed decision-making.

- **Transparent Delegation of Authority:**

Spending authority is explicitly detailed in Section 7.1 of the service manual, promoting accountability at all levels.

Budgeting Process:

- **Departmental Needs Assessment:**

Annually, each department submits budget proposals detailing requirements for equipment, computers, and consumables for the upcoming academic year.

- **Budget Review and Approval:**

The Principal consolidates departmental budgets and presents them to the Governing Body (GB) for review. Following discussions and potential adjustments, the GB recommends the final budget for approval.

Outcomes:

This comprehensive financial management approach ensures resources are allocated strategically, supporting the Institution's growth and enabling the achievement of its objectives.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.acsce.edu.in/naac-cycle-2/ |
| Upload any additional information | View File |

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)

The Internal Quality Assurance Cell (IQAC) of the Institution oversees various committees dedicated to enhancing key areas such as Teaching-Learning (T-L), Research and Development, Industry Interaction, Placement, and Training.

Focus Areas

1. Teaching-Learning (T-L):

IQAC implements initiatives to strengthen the teaching-learning process by emphasizing Outcome-Based Education (OBE). Key activities include:

- Conducting sessions on the formation and assessment of Course Outcomes (CO) and Program Outcomes (PO) attainment.
- Ensuring the quality of internal semester question papers, assignments, and evaluations.
- Introducing examination reforms to improve assessment processes.
- Encouraging product development as part of experiential learning.
- Providing hands-on training and integration of Learning Management Systems (LMS) for faculty and students.

These measures aim to create a robust academic framework that supports continuous improvement and quality enhancement.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.acsce.edu.in/naac-cycle-2/ |
| Upload any additional information | View File |

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

The IQAC regularly reviews the quality of the teaching-learning process at the end of each semester, as per the academic calendar, to ensure the consistent execution of all academic activities. Faculty members calculate the Course Outcomes (CO) and Program Outcomes (PO) attainment for their respective subjects and submit the data to the departmental coordinator. If the attainment values

fall below the set target, the Head of the Department (HoD) takes appropriate corrective actions to address the shortfall.

| File Description | Documents |
|---------------------------------------|---|
| Paste link for additional information | https://www.acsce.edu.in/naac-cycle-2/ |
| Upload any additional information | View File |

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 | https://www.acsce.edu.in/naac-cycle-2/ |
| Upload e-copies of the accreditations and certifications | View File |
| Upload any additional information | No File Uploaded |
| Upload details of Quality assurance initiatives of the institution (Data Template) | View File |

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

ACS College of Engineering empowers the students to believe in their potential to achieve their dreams regardless of their gender identity. The Sexual Harassment and Empowerment Committee Cell (SHE) and Prevention of Sexual Harassment (POSH) Committee at ACS College formulate the annual plan to implement gender-equity in principle and practice. Internal complaints are sorted in this committee. They organize women specific programs and motivate them in administration and leadership roles.

International Women's day is celebrated every year which is a special event for women which creates a platform for girl students and staffs in the institute to participate in various activities and exhibit their talents. 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 Medical facility in campus

b. Counseling

i. Faculty Advisor

ii. SHE and POSH Committee

c. Common Rooms

d. Day care center for young children

e. Any other relevant information

i. Awareness program

ii. ACSCE rules and regulations

iii. Health facilities in hostel

| File Description | Documents |
|--|-----------|
| Annual gender sensitization action plan | Nil |
| 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 | Nil |

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 | View File |
| Any other relevant information | View File |

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 Institution implements effective waste management through waste segregation and recycling of the waste. The Students and faculties were also actively involved by knowing their perspective about the waste management techniques in the campus. The institution has the following types of facilities for the management of degradable and non degradable wastes, they are:

1. Solid waste management:

The Institution implements solid waste management by enforcing the waste segregation rules.. The institution has successfully completed and recently commissioned a Biogas plant to handle 80 kg/day of solid waste.

2. Liquid waste management:

The Institution follows the systematic procedure for proper management and disposal of liquid waste. The wet waste from the hostels and canteen is given away to bio fertilizer plants for making eco-friendly fertilizers.

3. E-waste management:

The Institution has undertaken a number of E-waste Management initiatives with the objective of creating an eco-friendly environment in the campus

4. Hazardous and Radioactive waste:

Live (Hazardous) waste discarded into the environment after water treating from the treatment plant and from the institution no radioactive waste is not generated

| File Description | Documents |
|---|---------------------------|
| Relevant documents like agreements / MoUs with Government and other approved agencies | View File |
| Geo tagged photographs of the facilities | View File |

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

A. Any 4 or all of the above

| File Description | Documents |
|---|---------------------------|
| Geo tagged photographs / videos of the facilities | View File |
| Any other relevant information | View File |

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

- 1. Restricted entry of automobiles**
- 2. Use of bicycles/ Battery-powered vehicles**

A. Any 4 or All of the above

- 3. Pedestrian-friendly pathways
- 4. Ban on use of plastic
- 5. Landscaping

| File Description | Documents |
|--|---------------------------|
| Geo tagged photos / videos of the facilities | View File |
| Various policy documents / decisions circulated for implementation | View File |
| Any other relevant documents | View File |

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

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

A. Any 4 or all of the above

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

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 | View File |
| Policy documents and information brochures on the support to be provided | View File |
| Details of the Software procured for providing the assistance | No File Uploaded |
| Any other relevant information | View File |

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

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

The institution takes an initiative for celebrating commemorative days like Teachers Day, Women's day, Yoga day, Kannada Rajyothsava, and also celebrates the cultural and regional festivals like Ayudh Pooja celebration, Ganesha Festival. The institution takes and imitative in organizing Induction Program, Farewell Program, Orientation program for the students to inculcate in them the ethos and culture of the institution. The institution takes an imitative to inculcate the values among the students through the events which revolve around culture.

| File Description | Documents |
|--|---------------------------|
| Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution) | View File |
| Any other relevant information | View File |

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. 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. 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 by organizing the activities highlighting the importance of Indian Constitution. Independence Day is also celebrated every year to highlight struggle of freedom and importance of Indian constitution. The initiative taken by the institution for sensitization of students and employees to constitution obligations are:

1. Syllabus is framed on Constitution of India by the University
2. Republic Day Celebration
3. Independence Day
4. National Voters Day Celebration
5. Constitution Day

| File Description | Documents |
|--|-----------|
| Details of activities that inculcate values; necessary to render students in to responsible citizens | Nil |
| Any other relevant information | Nil |

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 | View File |
| 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 | View File |
| Any other relevant information | View File |

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 -Vanamohatsava (5th June)
5. Teachers's Day (5th September)
6. World Health Day
7. Kalam's Day
8. Indian Constitution Day (26th November)
9. International Womens Day (8th March)
10. World Drug Day (26th June)

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) | View File |
| Geo tagged photographs of some of the events | View File |
| Any other relevant information | View File |

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 "CLEAN AND GREEN CAMPUS"

1. TITLE OF'THE PRACTICE: Clean and Green campus.
2. OBJECTIVES: ACSCE made asincere efforts are being made to maintain a clean and green campus.

4. THE PRACTICE:

- Rain water collected from the roof of the institute is routed to open bore-well recharge. The campus has got robust rainwater harvesting system and bore-well recharge through percolation process.

5. EVIDENCE OF SUCCESS:

- ACSCE owns 6 acres of land, the campus is home to more than 550 trees and other plants.

6. PROBLEMS ENCOUNTERED ANID RESOURCE REQUIRED:

- Green campus efforts are difficult; therefore, it requires commitment from all parties and long-term certainty.

Best Practice - 2 "Quality Assurance in Teaching-Learning"

1. Title of the Practice: Quality Assurance in Teaching-Learning

2. Objectives of the Practice:

- To ensure effective teaching-learning processes that aligns with global standards.
- To enhance the competency and teaching skills of faculty members.
-

3. The Context:

ACS College of Engineering recognizes that quality education is the cornerstone of student success.

4. The Practice:

- Feedback Mechanism:
- Mentorship Program:

5. Evidence of Success

- ACS College of Engineering has observed significant improvements in student performance and engagement, reflected in improved exam scores and participation in academic activities.

Weblink: www.acsce.edu.in

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | https://www.acsce.edu.in/acsce/wp-content/uploads/2021/10/NAAC/7.2.1%20Best%20practices.pdf |
| 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

"Empower Student's Technical Knowledge & Skills through Industry Institute Interaction"

The main objective of the Industry Institute Interaction at ACS College of Engineering is to fulfill the mission statement and serve as an intermediate to the Industries and institute, .

The objectives of the Industry Institute Interaction are:

- Collaborate with Industries.
- Promote Internship, Industrial Training, placement, and field visits.
- Improve experiential learning through Industrial connect.

Some of the Industry Institute interactions activities are: 1.
PLACEMENT TRAINING

The main motto of our institution is to uplift every student especially academic poor students. To achieve this aim we provide individual training to every student and train them in all possible standards for the betterment of their future.

2. VALUE-ADDED COURSES

The Value-Added Training Programme of ACSCE helps students to learn Engineering techniques and application-related concepts which include protocols and results. In due course, teachers engage the students by providing enough material for referential purposes..

3. Memorandum of UNDERSTANDING WITH INDUSTRIES

The ACS College of Engineering bridges the gap between industry and

students for upgrading their knowledge of students. The purpose of the collaboration helps students in appearing for corporate companies in assistance with the college profile.

Weblink: www.acsce.edu.in

| File Description | Documents |
|--|---------------------------|
| Appropriate web in the Institutional website | View File |
| Any other relevant information | View File |

7.3.2 - Plan of action for the next academic year

- **Autonomous Status Application:**
 - Complete the groundwork for filing the application for autonomous status, including curriculum redesign, stakeholder feedback, and necessary documentation.
 - Conduct mock visits to ensure readiness for the statutory body inspection.
- **NBA Accreditation for AE, BME, and CSE Departments:**
 - Facilitate the preparation of Self-Assessment Reports (SARs) for the Aerospace Engineering, Biomedical Engineering, and Computer Science & Engineering departments.
 - Organize training sessions and workshops for faculty on accreditation processes and continuous improvement strategies.
- **NIRF Ranking Enhancement:**
 - Implement targeted initiatives to improve faculty-student ratios, research output, graduation outcomes, and industry collaborations.
 - Launch awareness programs for faculty and students about the significance of NIRF metrics and their contribution.
- **ARIIA Ranking Advancement:**

- Promote innovation and entrepreneurship by supporting student and faculty startups and incubation activities.
 - Organize ideation contests, hackathons, and prototype development workshops to strengthen innovation culture.
-
- **Strengthening Research Ecosystem:**
 - Establish interdisciplinary research clusters focusing on cutting-edge areas like additive manufacturing, nanomaterials, and AI/ML applications.
 - Encourage faculty to secure external funding through government and industry collaborations and enhance research publications in high-impact journals.