



## YEARLY STATUS REPORT - 2021-2022

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	Vivekanandha College of Engineering for Women
• Name of the Head of the institution	Dr.KCK.Vijayakumar
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	9443734562
• Alternate phone No.	9842761562
• Mobile No. (Principal)	9443734562
• Registered e-mail ID (Principal)	principal@vcew.ac .in
• Address	Elayampalayam
• City/Town	Tiruchengode/Namakkal
• State/UT	Tamil nadu
• Pin Code	637 205
<b>2.Institutional status</b>	
• Autonomous Status (Provide the date of conferment of Autonomy)	11/10/2018
• Type of Institution	Women
• Location	Rural

• Financial Status	<b>Self-financing</b>				
• Name of the IQAC Co-ordinator/Director	<b>Dr .R. Saravanakumar</b>				
• Phone No.	<b>9486061517</b>				
• Mobile No:	<b>9486061517</b>				
• IQAC e-mail ID	<b>iqac@vcew.ac.in</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://vcenggw.ac.in/pdf/AQAR%2020-21.pdf">https://vcenggw.ac.in/pdf/AQAR%2020-21.pdf</a>				
<b>4.Was the Academic Calendar prepared for that year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="#">Yes</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 2</b>	<b>A++</b>	<b>3.57</b>	<b>2023</b>	<b>02/08/2023</b>	<b>01/08/2028</b>
<b>6.Date of Establishment of IQAC</b>			<b>05/01/2017</b>		
<b>7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?</b>					
Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount	
<b>Vivekanandha College of Engineering for Women</b>	<b>AICTE IDEA Lab</b>	<b>AICTE</b>	<b>05/05/2022</b>	<b>10175000</b>	
<b>8.Provide details regarding the composition of the IQAC:</b>					
• Upload the latest notification regarding the composition of the IQAC by the HEI	<a href="#">View File</a>				
<b>9.No. of IQAC meetings held during the year</b>	<b>3</b>				

<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?</li> </ul>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded	
<b>10. Did IQAC receive funding from any funding agency to support its activities during the year?</b>	<b>No</b>	
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>		
<b>11. Significant contributions made by IQAC during the current year (maximum five bullets)</b>		
<p>* Conducted awareness induction program to faculty members * Conducted Awareness program on Outcome Based Education * Conducted Academic and Administrative Audit * Applied for NIRF ranking * Applied and got NBA Accreditation under Tier-1 for the UG Programmes - CSE, EEE, IT and BT</p>		
<b>12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:</b>		
Plan of Action	Achievements/Outcomes	
<p>* Conducted awareness induction program to faculty members * Conducted Awareness on Outcome Based Education * Conducted Academic and Administrative Audit * participated in NIRF ranking * NBA accreditation</p>	<p>NBA accreditation under Tier-1 for the UG programs-CSE, EEE, IT and BT, Understanding of OBE by the Faculty, Received ARIIA ranking</p>	
<b>13. Was the AQAR placed before the statutory body?</b>	<b>Yes</b>	
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>		
Name of the statutory body	Date of meeting(s)	
<b>Governing body</b>	<b>12/07/2022</b>	

<b>14. Was the institutional data submitted to AISHE ?</b>	<b>Yes</b>
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- Year

Year	Date of Submission
2022	13/07/2022

#### **15. Multidisciplinary / interdisciplinary**

Multidisciplinary education is an academic and pedagogical approach to develop multiple capacities in the intellectual, aesthetic, social, physical, emotional, and moral domains among the students inside and outside the classroom, by integrating formal and informal learning opportunities and teaching, research and community engagements and promoting cross-disciplinary and interdisciplinary perspectives and academic practice. NEP 2020 suggests that the colleges will be "gradually phasing out the system of 'Autonomous colleges' over a period of fifteen years" i.e. by 2035. The phasing out of the system of 'Autonomous colleges' shall be supported by the mentoring of the affiliated colleges by the respective affiliating university. We have mooted this to implement in our institution and various steps have been taken including attending seminars and conferences related to NEP 2020, identifying bench marks from various institutions for multidisciplinary courses and closely following the norms and regulations of the affiliating university.

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

As per UGC Notification (28th July, 2021) "Academic Bank Account" means an individual account with the Academic Bank of Credits opened and operated by a student, to which all academic credits earned by the Student from course(s) of study are deposited, recognised, maintained, accumulated, transferred, validated or redeemed for the purposes of the award of degree/diploma/certificates etc. by an awarding institution. Academic Bank of Credits shall be established on the lines of the National Academic Depository with a dynamic website providing all details of Academic Bank of Credits and its operational mechanisms for the use of all stakeholder of higher education. Academic Bank of Credits is essentially a credit-based, and highly flexible, student centric facility. The Institution has been in the process of getting approval to apply for registration with Academic Bank of Credits from statutory

authorities such as Governing Council, Academic Council and university authorities. Courses undergone by the students through the online modes through National Schemes like SWAYAM, NPTEL, V-Lab etc. or of any specified university, shall also be considered for credit transfer and credit accumulation.

#### **17.Skill development:**

Integrating vocational education with general education is the most promising way to provide holistic development of students, equipping them with knowledge, skills and competencies, which would prepare them for life and work. The Institution has identified industries to collaborate with for internship so as to expose the students to the work environment and get the experience of hands-on practice. The Institution is in the process of developing some bridge courses of varying duration depending on the pre-requirements of the course a student intends to move to horizontally.

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

NEP 2020 envisages a greater Promotion of Indian Languages, Arts and Culture. The NEP document elaborates on the cultural and knowledge heritage of India, the importance of Indian Philosophy in the renewed perception and influence on the world events, the importance of multi language and multi cultural background of the country and the necessity for revitalizing these realms for the betterment of the country and the world. This strategy calls for a paradigm shift in the immediate past educational system (which, in general opinion, has devalued the Indian traditional knowledge). To bring back the glory of the ancestral values and knowledge in line with AICTE guidelines, the institution has introduced a mandatory course on 'Indian Constitution and Universal Human Values' for all the UG students. To augment the lectures in the class room, standard text books on Indian Constitution and Universal Human Values' have been given to the students. Through the efforts of Fine Arts Club, competitions are being regularly conducted in the regional language viz Tamil/English on the contemporary topics of environment, energy conservation, etc., as well as of the topics on cultural and ethnic values of India.

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

Realizing the importance of Accreditation vis-a-vis Washington Accord, the college introduced the OBE concepts in its curriculum, Syllabi and evaluation. Four out of seven UG programmes (namely Computer Science and Engineering, Electrical and Electronics Engineering and B.Tech. Information Technology and BioTechnology) got accredited by NBA. In this process, the OBE has been implemented in all stages of Teaching-Learning Process. In line with the Graduate Attributes, PEOs and POs are referred in the NBA documents; markers have been developed and disseminated to the stakeholders. The PEOs have been established considering the factors such as Preparation, Core Competence, Breadth Professionalism and Life Long Learning. These are aligned with institute Vision and Mission and Departments' Vision and Mission. POs and PSOs have been mapped with PEOs. Course outcomes have been defined for all the courses and the correlation strength with various POs have also been specified. In the evaluation process (Continuous Assessment and Semester Examination), the performance of the students in each course is linked to the POs and there after the PEOs and attainment is evaluated. The loop is with feedback mechanism to monitor continuously and achieve Outcome Based Education. Various committees in the College and Department level, keep assessing the attainment every semester. Documentary evidences are maintained so as to have a peer level evaluation.

**20.Distance education/online education:**

There is a perceptible change in the modes of the Teaching-Learning all over the world and there is a significant shift from all class room teaching methods and it becomes mandatory Learning partly through classroom and partly through online Teaching. This is exhibited in the worldwide popularity of Online education like MOOCs, etc. India is also keeping abreast in this new paradigm. The Institution encourages the students and faculty members to register and write examinations under SWAYAM / NPTEL for several years. Under the autonomous system, necessary approvals have been obtained to include the Credit Transfer Scheme to the students of the Institution. Thus, the credits earned from SWAYAM / NPTEL are considered as replacements of elective courses. The list of such courses are approved by the chair person before the beginning of the semester so that students can register to those courses which are relevant to the specific curriculum and not a repetitive /

duplicative one in nature. The online courses have also enabled the students to complete the credit requirements in third and final year. Students can take up full time internship in suitable industries. This system of education benefits the students to acquire skills required by the industry and also provides a favorable career opportunity.

## Extended Profile

### 1.Programme

1.1 Number of programmes offered during the year:	11
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File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 2.Student

2.1 Total number of students during the year:	1770
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File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2 Number of outgoing / final year students during the year:	307
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File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.3 Number of students who appeared for the examinations conducted by the institution during the year:	1747
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File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

<b>3.Academic</b>	
3.1 Number of courses in all programmes during the year:	<b>380</b>
<b>File Description</b>	<b>Documents</b>
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.2 Number of full-time teachers during the year:	<b>144</b>
<b>File Description</b>	<b>Documents</b>
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3 Number of sanctioned posts for the year:	<b>144</b>
<b>4.Institution</b>	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	<b>389</b>
4.2 Total number of Classrooms and Seminar halls	<b>47</b>
4.3 Total number of computers on campus for academic purposes	<b>723</b>
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	<b>253.04</b>
<b>Part B</b>	
<b>CURRICULAR ASPECTS</b>	
<b>1.1 - Curriculum Design and Development</b>	
1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific	



Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

#### Process of Curricula design at VCEW:

Being an autonomous institution, Choice Based Credit System (CBCS) is adopted which is student centric. The curricula of the undergraduate and postgraduate programmes are formulated as per guidelines of AICTE, Anna University and by taking inputs from various stakeholders namely, students, faculty, alumnae, employers and parents. The curricula are designed in line with the vision and mission of the institution to provide a holistic education to empower the rural women. The curricula and syllabi are drafted in Department Advisory Board (DAB). The drafted curricula and syllabi are presented for approval of BoS and then to the Academic council and Governing body for their approval before implementation. To keep up with rapid changes in a globalised world, the Board of Studies (BoS) revamps the curriculum and syllabus from time to time to develop the competency of the students. The course structure of the undergraduate and postgraduate programme comprises various categories like Humanities and Social Science, Basic Science, Engineering Science, Professional Core, Professional Elective, Open Elective Courses and Employability Enhancement Courses to provide a holistic and multidisciplinary education. Professional electives and open electives are provided to develop multidisciplinary skills among the students. The curriculum design provides the credit transfer facility and also insists the students to undergo the Internship in industry/ research organizations as prescribed in the curriculum.

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://vcenggw.ac.in/NAAC/AQAR/2021-22/c1/1.1.1/1.1.1.index.pdf">https://vcenggw.ac.in/NAAC/AQAR/2021-22/c1/1.1.1/1.1.1.index.pdf</a>

#### 1.1.2 - Number of Programmes where syllabus revision was carried out during the year

11

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

273

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

### 1.2.1 - Number of new courses introduced across all programmes offered during the year

79

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

11

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

#### Professional Ethics:

instil Ethical, Moral and Social values among students, courses like Professional ethics, Universal human values-Understanding and Bioethics, IPR and Biosafety are incorporated into the curriculum. These courses enable the students to exhibit their professional responsibilities with ethical standards.

#### Gender:

Ample opportunities are provided to the students to develop themselves in all aspects. Women Development Cell (WDC), NSS and YRC deals with issues relevant to gender, human values and ethics. Students are allowed to participate in NSS and YRC schemes that, facilitate teamwork, enhance leadership skills, build confidence and inculcate social responsibility.

#### Human Values

'Indian Constitution and Universal Human Values' has been made mandatory course for all UG programmes. Courses like Principles of Management, Personality Development through Life Enlightenment, Pedagogy Studies and Value Education are introduced in the UG and PG curriculum to make the students understand the importance of human values.

#### Environment and Sustainability:

The curriculum has various courses to address environmental and sustainability issues. For example, 'Environmental Science and Engineering' course is included as a mandatory course in all UG programmes. In addition, UG and PG programmes have courses like Environmental Biotechnology, Biofuels and Bioenergy, Energy storage

technologies, Biomass energy systems, Disaster Management and Green Computing to offer solutions related to environment and sustainability.

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

### 1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

17

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.3.3 - Number of students enrolled in the courses under 1.3.2 above

1196

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1020

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.4 - Feedback System**

**1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni**

**A. All 4 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://vcengg.ac.in/feedback.php">https://vcengg.ac.in/feedback.php</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.4.2 - The feedback system of the Institution comprises the following**

**A. Feedback collected, analysed and action taken made available on the website**

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://vcengg.ac.in/feedback.php">https://vcengg.ac.in/feedback.php</a>
Any additional information	<a href="#">View File</a>

**TEACHING-LEARNING AND EVALUATION****2.1 - Student Enrollment and Profile****2.1.1 - Enrolment of Students****2.1.1.1 - Number of students admitted (year-wise) during the year**

**570**

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

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

**389**

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

Students from various demographic and academic profile join in the institution. An induction programme is offered to the first year students to know about the college, infrastructure facilities, academic and administrative regulations and procedures. Mentoring and connecting with faculty members for the students from rural background is the most important part of induction. Students are assigned to identified faculty who act as their mentors. Mentors conduct regular meetings with their student mentees to monitor their academic progress and for any personal counseling. A student scoring less than 50% marks in internals is considered as an academically slow learner. Mentors conduct regular meetings with their student mentees to monitor their academic progress and for any personal counseling. The HoD, class advisor, course teacher and Mentors continuously keep track of the academic performance of the students. A student scoring less than 50% marks in internals is considered as an academically slow learner.

Slow learners are motivated through 1. Induction Programme 2. Remedial Classes 3. Counselling through Mentors Advanced learners are encouraged to

1. Attend Conference, Workshops and Internships 2. Attend Competitive exams/Higher studies 3. Work with projects, patents and paper publication 4. Attend Online courses, one credit courses and additional courses 5. Peer Mentoring activities

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vcengg.ac.in/NAAC/AOAR/2021-22/c2/2.2.1/2.2.1%20Index.pdf">https://vcengg.ac.in/NAAC/AOAR/2021-22/c2/2.2.1/2.2.1%20Index.pdf</a>

### 2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
03/08/2021	1770	144

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

## 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:

### Experiential learning:

- Experiential learning is a process of doing and enhancing conceptual understanding in multiple domains. Each semester the students are given laboratory courses to practice the theoretical concepts.
- Practice-oriented assignments are given to enhance the practical knowledge of the students. Internships and summer projects are made mandatory for students to enhance the industrial exposure.

### Participative learning:

- Participative learning is enabled for the students through Technical Seminar, Group Assignments, Participation in Guest lectures, Seminar / Webinar, workshop, Paper presentation, paper publication, Project design contest, Technical club activities, Hackathons, Peer learning groups.
- Self-Learning: The faculty motivate the students to learn online through NPTEL / SWAYAM portals to obtain certifications. This self-learning aids in credit transfer and is reflected in the gradesheet.
- AICTE IDEA Lab of VCEW offers many competitions like HACKTHON, and Start-Up Mania, and students are also provided with the opportunities to interact with industrial experts persons.

### Problem-Solving Techniques

- Problem solving exercises are designed and given as assignments .
- Through participation in myidea contest, Project design contest, Technical club and cell activities and hackathons.
- Through online problem-solving platform such as Skillrack, the

students enhance their coding and debugging skills.

- Courses like numerical ability, Verbal ability and Logical reasoning are provided

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://vcengg.ac.in/NAAC/AOAR/2021-22/c2/2.3.1/2.3.1%20index.pdf">https://vcengg.ac.in/NAAC/AOAR/2021-22/c2/2.3.1/2.3.1%20index.pdf</a>

### 2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Classrooms are furnished with LCD projectors to facilitate technical presentations. Laboratories, Seminar Halls, Auditorium, Board Room and other conference rooms are equipped with ICT tools and enabled Wi-Fi 24x7. Computer laboratories with high speed internet connection are available for research. MOODLE software learning management system is customised to help faculty to create an online classroom setting. In-house LMS is used to map the test and exam questions with COs and calculate COs, POs and PSOs attainment. Domain mail id and web portal login provided to each and every student to make use of the academic features like: profile, courses, internal marks.

Express Pro- Digital Language Lab software & Express Pro Lite is employed for listening and communication skill practice. Google classrooms are used to post course contents, conduct quizzes. e-PPTs with animations and simulations are utilized to inculcate theoretical concepts in a lucid manner. Smart classroom and media centre is available as additional learning resource to create videolectures. Online e-resources like National Programme on Technology Enhanced Learning (NPTEL) and YouTube lectures are for effective teaching-learning process. Advanced Digital Library is highly active. IEEE xplore digital library, the electronic resource packages like DELNET are available.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://vcengg.ac.in/NAAC/AOAR/2021-22/c2/2.3.2/2.3.2%20Index.pdf">https://vcengg.ac.in/NAAC/AOAR/2021-22/c2/2.3.2/2.3.2%20Index.pdf</a>
Upload any additional information	<a href="#">View File</a>



**2.3.3 - Ratio of students to mentor for academic and other related issues****2.3.3.1 - Number of mentors**

120

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

**2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution**

**Preparation of Academic Calendar:** Academic Calendar is prepared by IQAC consulting with Principal and CoE, specifically for earmarking the semester-wise schedules. The calendar is prepared to set the total number of working days as per the regulations and to fix the Internal and end semester examinations duly taking the National & Public holidays, Festival breaks, Summer vacation, in addition to the College Fests, Training Programmes, Placement Activities, etc. into contemplation. Adherence to Academic Calendar All activities are conducted by the respective HoDs/Controller of Examinations as per the academic calendar. The Principal conducts HoD meetings on regular intervals to check the implementation and progress of various activities given in the academic plan.

**Teaching Plan** Course allotment for every semester is prepared by the HoD. For each course, teaching hours are allocated based on the number of credits. The faculty prepares a 'Lesson Plan' for both theory and laboratory courses with the number of hours required to complete each unit / experiment. The Lesson plans are appended to the subject logbook for ready reference by the faculty concerned. The topics covered, on the given day as per the timetable are entered in the 'Record of Class work'.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

**2.4 - Teacher Profile and Quality****2.4.1 - Number of full-time teachers against sanctioned posts during the year**

144

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

42

File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

702

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.5 - Evaluation Process and Reforms

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

19.5

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

12

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

The institution continuously brings in reforms in the examination procedures and processes through IT integration. It is implemented both in Continuous Internal Assessments and End Semester Examinations. CoE software is developed by our in-house software development cell. The institute received copyrights from the Government of India for CoE office software. IT integrated Examination modules are listed below:

- Student database creation
- Course Registration
- Internal Test marks
- Exam application
- Hall ticket Generation
- Appointment orders for examiners
- Practical exam attendance entry
- Practical exam mark entry
- Examination Timetable schedule
- Question paper setters database
- Attendance entry for theory exam
- Dummy number entry for theory answer scripts
- Mark entry for theory exam by evaluators

- Result process and Analysis
- Result Publication
- Revaluation process
- Grade sheet Printing
- Consolidated grade sheet printing
- Rank sheet Printing

The impact of IT integration in examination modules are

- Students can register the courses in online
- Transparent assessment with monitoring
- Expeditious examinations process
- Valuation and Revaluation of the answer scripts made easy
- Students view the results through the website
- Expeditious result analysis process

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vcengg.ac.in/NAAC/AQAR/2021-22/c2/2.5.3/2.5.3_Index.pdf">https://vcengg.ac.in/NAAC/AQAR/2021-22/c2/2.5.3/2.5.3_Index.pdf</a>

## 2.6 - Student Performance and Learning Outcomes

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

The institution follows "Outcome Based Education" in alignment with the National Board of Accreditation (NBA) and accordingly, along with the 12 Program Outcomes (POs) defined by NBA, 2 to 4 Programme Specific Outcomes (PSOs) are framed for each programme. The curriculum composition is carefully designed to attain the defined POs and PSOs. The specific nature of the programme and its impact upon completion is clearly described by the Programme Outcomes, Programme Specific Outcomes and its respective Course Outcomes. The institution's website [www.vceengg.ac.in](http://www.vceengg.ac.in) contains all programmes Curricula and Syllabi with CO, PO and PSO for reference to all stakeholders. As per bloom's taxonomy, the COs are mapped with appropriate levels of Knowledge, Skill and Attitude domains (KSA) and mapped with appropriate POs on a 3-point scale (3- substantial, 2-moderate and 1-slight). The framed COs are approved by the Board of Studies. The POs and COs are published on the college website and curriculum-syllabus book. The dissemination of the same to the stakeholders namely Faculty, Students, Alumni, Parents and Employers is done as mentioned below: 1. Curriculum and Syllabus book

2.Displayed on College Website 3.Presentation during the Induction Programme 4.Displayed in

- HOD Room
- Class Rooms
- Laboratories
- Faculty Cabins

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://vcenggw.ac.in/NAAC/AOAR/2021-22/c2/2.6.1/2.6.1_Index.pdf">https://vcenggw.ac.in/NAAC/AOAR/2021-22/c2/2.6.1/2.6.1_Index.pdf</a>

#### 2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

**Attainment of PO& CO:** Attainment of Programme Outcomes are evaluated based on the Academic Performance through attainment of Course Outcomes. 80% weightage is allotted for direct assessment and 20% weightage is allotted for indirect assessment. 1.Direct assessment(80 %): The direct attainment of COs for theory, practical and project courses are given below: The direct attainment of COs for Theory = 50% of CA (Test 1,2,3 Marks & Assignment/Quiz/Seminar/Field visit/Model Development) + 50% of End Semester Exam The direct attainment of COs for Practical = 50% of CA (Pre lab test, Implementation & Post Lab test) +50% of End Semester Exam The direct attainment of COs for Mini Project/Project = 60% of CA (Project Review 1&2) + 40% of EndSemester Project Viva Voce Exam 2. Indirect Assessment(20%) It is obtained through Course End Survey. Final Attainment of PO:Final PO Attainment = 80% of CO Attainment+ 20% of Stakeholders Survey

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vcenggw.ac.in/NAAC/AOAR/2021-22/c2/2.6.2/2.6.2_Index.pdf">https://vcenggw.ac.in/NAAC/AOAR/2021-22/c2/2.6.2/2.6.2_Index.pdf</a>

#### 2.6.3 - Pass Percentage of students

**2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution**

307

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://vcengg.ac.in/NAAC/AOAR/2021-22/c2/2.5.1/Annual_report.pdf">https://vcengg.ac.in/NAAC/AOAR/2021-22/c2/2.5.1/Annual_report.pdf</a>

**2.7 - Student Satisfaction Survey**

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

<https://www.vcengg.ac.in/NAAC/AOAR/2021-22/c2/2.7.1/studentsurvey.pdf>

**RESEARCH, INNOVATIONS AND EXTENSION****3.1 - Promotion of Research and Facilities**

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

**Research & Development Cell:**

In order to create research facilities and upgrade promotional policies, a separate R & D Cell is functioning in the institute. The R & D cell provides support and guidance to the faculty and students to actively participate in research and innovative activities that is relevant to industry as well as society. The R & D Cell also encourages faculty to submit research proposals to various government/non-government funding organizations and continuously monitors the request for project proposals. Research proposals must pass through a multi-tiered review process, during which they are examined by Research Advisory Committee and Ethics Committee. The R & D Cell helps the scholars apply for copyrights and intellectual property protection also.

**Research Promotion Policy**

Faculties, research scholars, students, and other staff members who participate in any type of institutional research are subject to the institutional research policy, which has been developed. The institutional research policy should be adhered in all research endeavours. The institute updates the research policy and facilities for promoting research culture among faculty and students as and when required.

The research policy is disseminated to the stakeholders through website.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://vcengg.ac.in/research.php?t=prog4">https://vcengg.ac.in/research.php?t=prog4</a>
Any additional information	<a href="#">View File</a>

### 3.1.2 - The institution provides seed money to its teachers for research

#### 3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

6.38

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

4

File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.2 - Resource Mobilization for Research

#### 3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)

48.97232

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 3.2.2 - Number of teachers having research projects during the year

12

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vcengg.ac.in/NAAC/AQAR/2021-22/c3/3.2.2/Additional.pdf">https://vcengg.ac.in/NAAC/AQAR/2021-22/c3/3.2.2/Additional.pdf</a>
List of research projects during the year	<a href="#">View File</a>

#### 3.2.3 - Number of teachers recognised as research guides

17



File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

### 3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

4

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://vcengg.ac.in/NAAC/AOAR/2021-22/c3/3.2.4/Link%20to%20funding%20agencies.pdf">https://vcengg.ac.in/NAAC/AOAR/2021-22/c3/3.2.4/Link%20to%20funding%20agencies.pdf</a>
Any additional information	<a href="#">View File</a>

### 3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

#### Entrepreneurship Development Cell [EDC]

Entrepreneurship Development Cell was established in VCEW with a view to foster the entrepreneur skills among the students. The Cell organizes different activities and events from time to time to train and motivate the students on entrepreneurship. Dr.L.Malathi and Ms.A.Thamaraiselvi of the institute has received Best EDC coordinator- 2021 award from Entrepreneurship Development and Innovation Institute.

#### Institution's Innovation Council [IIC]

The Institution's Innovation Council (IIC) of VCEW was created to actively promote an innovative culture among students in all disciplines. The IIC was established to support young students in their efforts to develop new concepts, innovations, and turn them into working models. This is evident from the inventions of Super Shuffling Machine and Mr.Chef (Sambar Making Machine) by Ms.C. Rithika and Ms.T. Elakkiya respectively. Ms.C. Rithika has received

a grant of Rs. 3.25 Lakhs from AICTE & MOE'S Innovation cell. Entrepreneurship Development and Innovation Institute awarded a seed grant cash prize of Rs.1 Lakhs to Ms.T. Elakkiya and Team (Shown in Fig.3). In order to protect the environment, the students are encouraged to create eco-friendly projects. Our IIC has been rated 3.5 star to 4.5 star by Ministry of Education, Govt. of India for its annual performance in the last three academic years

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vcengg.ac.in/NAAC/C3/3-3-1.php">https://vcengg.ac.in/NAAC/C3/3-3-1.php</a>

### 3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

14

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4 - Research Publications and Awards

**3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software**

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year****3.4.2.1 - Number of PhD students registered during the year**

23

File Description	Documents
URL to the research page on HEI website	<a href="https://vcenggw.ac.in/research.php?t=prog9">https://vcenggw.ac.in/research.php?t=prog9</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year**

83

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year**

11

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vcenggw.ac.in/NAAC/AQAR/2021-22/c3/3.4.4/Additional.pdf">https://vcenggw.ac.in/NAAC/AQAR/2021-22/c3/3.4.4/Additional.pdf</a>

**3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed****3.4.5.1 - Total number of Citations in Scopus during the year**

697

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

### 3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

#### 3.4.6.1 - h-index of Scopus during the year

14

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5 - Consultancy

#### 3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

0.55

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

2.78

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	<a href="#">View File</a>
List of facilities and staff available for undertaking consultancy	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

#### National Service Scheme (NSS):

Service minded volunteers of NSS carried out different programmes such as Health Awareness Camps, Dental Awareness Camps, COVID-19 Vaccination Camps, Mask Awareness Camps, Village Cleaning Programmes, an awareness programme on how to use Laptops. The NSS Unit is also organized sports activity to the primary level school students. Further, Yoga and Meditation programme had been arranged for the primary school students and villagers to stress the importance of being healthy.

#### Unnat Bharat Abhiyan Scheme (UBA):

Unnat Bharat Abhiyan, an initiative of central government of India, has been functioning in the campus since 2018. Under UBA, the institute adopted five villages namely Mollipalli, Karumanur, Pudupuliyamatti, Unjanai and Nallipalayam for transformational change in rural development processes to help and build the architecture of an inclusive India

#### Youth Red Cross & Red Ribbon Club:

Youth Red Cross Society and Red Ribbon Club of VCEW used to conduct awareness programmes such as Road accident, Aids awareness, Fire safety, Blood Donation Camp, World Earth day, COVID-19 Vaccination camp, Covid-19 Mask and sanitization Awareness programme, Plastic

free awareness programme at regular intervals. Blood Donation camps are jointly organized by YRC & Namakkal Government Hospital Blood Bank and the camp was conducted at Elayampalayam.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdiI6Ijh4czhCZFg1c1lacjdOU01seGFpTEE9PSIsInZhbHVlIjoInW56N2dyWGIvbGkwZjJlMy90a2tnOW1CL1ZEb3J3ZFJTTFVlMkxkNHZTb3JkSERQTmFobytFdkZPVldvc1RnUyIsIm1hYyI6ImU3Y2Y5MGOyOGNkY2JiNWJhN2FkMTI0ODM2MTkzNjgzMGMxM2NiOTO2NGViNTE2ZjMwNDlkNDAOMjZiYzQxNDAlLCJ0YWciOiIifQ==">https://assessmentonline.naac.gov.in/public/index.php/admin/get_file?file_path=eyJpdiI6Ijh4czhCZFg1c1lacjdOU01seGFpTEE9PSIsInZhbHVlIjoInW56N2dyWGIvbGkwZjJlMy90a2tnOW1CL1ZEb3J3ZFJTTFVlMkxkNHZTb3JkSERQTmFobytFdkZPVldvc1RnUyIsIm1hYyI6ImU3Y2Y5MGOyOGNkY2JiNWJhN2FkMTI0ODM2MTkzNjgzMGMxM2NiOTO2NGViNTE2ZjMwNDlkNDAOMjZiYzQxNDAlLCJ0YWciOiIifQ==</a>

### 3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

7

File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

14

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

1399

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.7 - Collaboration

#### 3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

26

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

20

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

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

The Institution has spacious classrooms, well equipped laboratories and other amenities for teaching and learning process. The campus is developed in 11.34 acres of land and has a built-up area of 25580.59 sq.m.

**Classrooms :**The Institution has well-furnished, spacious and well

ventilated classrooms equipped with adequate ICT enabled classrooms

Laboratories:All laboratories are equipped with the latest equipments including AICTE Sponsored Idea Lab (non curriculum labs)

Computing facilities:Computing facilities meet the needs of students and facilitate effective teaching and learning processes. A healthy student computer ratio of 2:1 is mentioned to cater the needs of the students.

Training and Placement Cell:Exclusive training has been provided for the students by well equipped Placement trainers.

Transport, Medical and Canteen facilities:The institution provides transport facilities for the students and staff from different locations within a radius of 150 kms, apart from public transport. GPS is attached

Hostel:Excellent accommodation facilities with well-furnished double and four occupancy rooms,

Community Service:The National Service Scheme(NSS), YRC organizes blood donation camps, free eye camps, general medical camps, village cleanup programs and other social awareness programs.

Power Supply & UPS:Generators with the capacities of 250 KVA, and 125 KVA available

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vcenggw.ac.in/NAAC/AQAR/2021-22/c4/4.1.1/4.1.1.index.pdf">https://vcenggw.ac.in/NAAC/AQAR/2021-22/c4/4.1.1/4.1.1.index.pdf</a>

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

Cultural Activities:The institution has the following facilities to promote the cultural activities among the students: An airconditioned auditorium with advanced sound systems(audio and video facilities).Seminar hall with projector facilities has a capacity of 150 individuals.These facilities help the students to conduct intercollegiate competitions related to Elocution, Essay writing, Quiz and paper presentation etc.,



**YOGA:**Yoga Hall is maintained for doing meditation and asanas to make the students grow mentally and spiritually healthy. Every year, International Yoga day is celebrated on 21st June.

**Sports and Games:**Sports play a pivotal role in shaping physical fitness of students.

**Indoor Games:**Indoor games facilities for chess and carroms are made available both in the college and hostels.In addition, a separate space for Table Tennis is also available.

**Outdoor Games:**The college encourages the outdoor sports activities amongst the students by providing infrastructure,coaching facilities. Students are encouraged to participate in Inter - College, Zonal and National level tournaments.

**Gymnasium:**The gymnasium is located in the hostel for the students who wish to maintain general health.

**Auditorium:**An Air-Conditioned Auditorium with seating capacity of 3000 has a very broad stage, to conduct various technical and non technical events.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vcengg.ac.in/NAAC/AOAR/2021-22/c4/4.1.2/4.1.2.index.pdf">https://vcengg.ac.in/NAAC/AOAR/2021-22/c4/4.1.2/4.1.2.index.pdf</a>

#### 4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

38

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in

**Lakhs)****57.39**

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

**About the Library:**Library is located in ground floor of the college premises with a total area of 583.15 sq.m housing 46391 books, 116 subscribed periodicals which include national and international journals. The Library is automated using 'Autolib' Software (Version 17.1) and it is updated regularly. The following are the features which are incorporated in Integrated Library Management System (ILMS): Library management ,Books circulation ,Students/Staff Transactions

**OPAC -**The Autolib Software is equipped with Online Public Access Catalogue (OPAC) facility for searching the availability of books based on author, title, ISBN, publishers and Accession number.

**E-Gate Entry -** Barcode system based on student and staff identification, log-in and log-out time is recorded for physical users. The Library has a reading hall where the members can refer costly books available as closed reference, journals, magazines, newspapers and the books related to competitive examination, politics, stories, etc.

**Digital library:**The institution has a digital library consisting of 20 computers with high speed internet to provide online access to e-resources such as J-GATE, IEEE DELNET and NDLI

**Information and Communication Technology Services:**Two viewer counters are available in the entrance, which enables the members to search the books based on titles, publishers, ISBN and authors.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vcengg.ac.in/NAAC/AQAR/2021-22/c4/4.2.1/4.2.1.index.pdf">https://vcengg.ac.in/NAAC/AQAR/2021-22/c4/4.2.1/4.2.1.index.pdf</a>

**4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources**

**A. Any 4 or more of the above**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)**

**27.47**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e-journals during the year (Data Template)	<a href="#">View File</a>

**4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)**

**4.2.4.1 - Number of teachers and students using the library per day during the year**

**415**

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

The institution has well defined IT Policies and associated facilities with 125Mbps internet connectivity. The institution has both wired and Wi-Fi hotspots in prominent locations of college campus and hostels. A sufficient budget is allocated for the operation and maintenance of the IT infrastructure. The System Administrators look after the implementation of the local area infrastructure, desktop, printers and CCTV Camera, etc.

**IT Infrastructure and Internet Facilities:** The institution has 125 Mbps of dedicated 1:1 leased line internet connectivity .MAC Address bound 'Wi-Fi' access. Desktop computers (723) of various brands with the required configuration.

**IT Security Model:** "Tinywall" - A firewall secures IT infrastructure to prevent unauthorized access with user privileges.

**Role of System Administrator:**

- Institution and hostels while adhering to operational best practices.
- Providing firewalls to manage and to control IT services
- Taking backup of Office Files, Databases
- Blocking untrusted websites to prevent the risk of access.

**Cyber Security:** Cyber security norms are followed and frequently conducted awareness programmes for the students to make them aware of cybercrimes.

**IT Updation**

- Web Cameras are attached with the computer systems
- Proper Licensed software's are used and 'Microsoft Campus Agreement (MCSA)'
- System hardware updation is done regularly based on the requirements.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vcengg.ac.in/NAAC/AQAR/2021-22/c4/4.3.1/4.3.1.index.pdf">https://vcengg.ac.in/NAAC/AQAR/2021-22/c4/4.3.1/4.3.1.index.pdf</a>

**4.3.2 - Student - Computer ratio**

Number of Students	Number of Computers
1770	723

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

**4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus**

A. 750 Mbps

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing**

A. All four of the above

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vcengg.ac.in/NAAC/AQAR/2021-22/c4/4.3.4/4.3.4.pdf">https://vcengg.ac.in/NAAC/AQAR/2021-22/c4/4.3.4/4.3.4.pdf</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

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

253.04

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

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

The institution has a policy for maintaining and utilizing the Physical and academic facilities for better operation of the available resources.

**Campus maintenance:** There is a centralized maintenance section which is headed by a Maintenance Engineer and supported by skilled workers.

**Laboratory Maintenance:** In order to maintain Computer Labs, lab technician takes care of regular maintenance work with the help of System Admin.

**Library Maintenance:** The book and the volume of journals are bound periodically for further use by faculty and students. Physical stock verification is performed in the Library once a year.

**Classroom Maintenance:** House keeping team is taking care of cleaning the classrooms, academic buildings and maintains the environment clean.

**Networking & Intranet Maintenance:** Intranet and internet facility is monitored and maintained, Maintenance and service of CCTV cameras and backup of videos are recorded.

##### Electrical Maintenance

The electrical teams are taking care of Installation of new electrical appliances, checking the power consumption and UPS systems periodically.

**Transport Maintenance:** Separate workshop is available for the

**maintenance of buses and other vehicles**RO Maintenance:R.O. plantswhich are maintained regularly

**Fire Protection System Maintenance:**Fire extinguishers and wall-mounted fire hose reels with dry risers are maintained every two years

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vcengg.ac.in/NAAC/AOAR/2021-22/c4/4.4.2/4.4.2.index.pdf">https://vcengg.ac.in/NAAC/AOAR/2021-22/c4/4.4.2/4.4.2.index.pdf</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

**1239**

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

#### 5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

**1107**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

**5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities**  
**Soft Skills**  
**Language and Communication Skills**  
**Life**

**A. All of the above**

**Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology**

File Description	Documents
Link to Institutional website	<a href="https://vcenggw.ac.in/NAAC/AOAR/2021-22/c5/5.1.3/5.1.3.index.pdf">https://vcenggw.ac.in/NAAC/AOAR/2021-22/c5/5.1.3/5.1.3.index.pdf</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year**

1042

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

A. All of the above



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

## 5.2 - Student Progression

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

206

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

### 5.2.2 - Number of outgoing students progressing to higher education

8

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

#### 5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

8

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

### 5.3 - Student Participation and Activities

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

7

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

**Students Council:**Vivekanandha College of Engineering for Women (Autonomous) has an energetic students' council that includes office bearers from each department association. The executive council members of the association elect its President, Vice President, Secretary, Joint Secretary, Treasurer, and Joint Treasurer.

**Representation in Academic and Administrative bodies:**Students council members collect feedback about the curriculum and syllabi from classmates and represent the same in Board of Studies (BoS) and Academic Council (AC) Suggestions / Grievances are registered in Class Committee Meeting, IQAC Meeting, Anti Ragging Committee Meeting, Internal Complaint Committee.

**Representation in various Clubs and Professional Societies:**Various clubs and professional societies, which are functioning in the Institute, are listed below:Coding Club,Green Club,Intensive Mobile Application Club(I-MAC),Genov Club,Eco Club,BioSpectra Club,Embedded Club,IoT Club,Yoga Club,Renewable Energy Club,Electric Vehicle Club,Self Development Club,Toastmasters club,Digital Divas Club, Trendy Tech Club,Cultural Club,R&D Cell,Women Empowerment Cell.**Representation in Outreach activities:**Students volunteer in various outreach activities through NSS,YRC,RRC,UBA,

**Representation in Professional Society and other activities:**Students

are active members of various professional societies such as ISTE, IEEE, IETE and IEI, CSI, IET etc., Through professional societies, guest lectures, seminars, workshops, symposiums, project expo and Hackathon, Fresher's Day, Achievers day, Cultural day, Sports day, College day, Teachers Day, Alumni Induction Program, Women's day, Engineer's day, Day Scholar's Day, Hostel Day, are organized.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vcengg.ac.in/NAAC/AOAR/2021-22/c5/5.3.2/5.3.2.index.pdf">https://vcengg.ac.in/NAAC/AOAR/2021-22/c5/5.3.2/5.3.2.index.pdf</a>

### 5.3.3 - Number of sports and cultural events / competitions organised by the institution

33

File Description	Documents
Report of the event	<a href="#">View File</a>
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

#### VCEW Alumni Association:

The Alumni association of the college was established in February 2005. VCEW Alumni association has more than 7000 members. It was registered in the year 2017 (Registration number: 34/2017). The association endeavors to strengthen it's ties among members by sharing the views about industry scenario, which will increase the bonding between alumni and Institution.

Alumni meetings are conducted regularly through online and offline mode to share the experience and knowledge to the existing students.

Alumni Association promotes and encourages the alumni to render professional knowledge by organizing conferences, seminars, Guest lectures and webinars.

Alumni Contribution includes the following,

? As part of Board of Studies (BOS), the alumni are involved in Curriculum framing, syllabus-content creation and revision Process.

? Motivates the budding engineers to become a competent engineer by sharing their professional experience.

? Offering lectures in the current technologies through real time applications & Projects.

? Help students to get placement in MNC's by conducting mock interviews

? Alumni visit college for campus recruitments and give referral to the existing students.

? Provides financial contribution to alumni association every year.

? Alumni are invited to share success stories and motivate the students.

? VCEW Alumni Association takes up initiative for providing internship opportunities and also to facilitate industrial visits for students.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vcengg.ac.in/NAAC/AQAR/2021-22/c5/5.4.1/5.4.1-Alumni%20Association.pdf">https://vcengg.ac.in/NAAC/AQAR/2021-22/c5/5.4.1/5.4.1-Alumni%20Association.pdf</a>

**5.4.2 - Alumni's financial contribution during the year**

D. 2 Lakhs - 5 Lakhs

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

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision

and mission of the Institution

## VISION

To impart value based education in Engineering and Technology to empower young women to meet the societal exigency with a global outlook.

## MISSION

- To provide holistic education through innovative teaching learning practices.
- To instill self confidence among rural students by supplementing with co-curricular and extracurricular activities.
- To inculcate the spirit of innovation through training, research and development.
- To provide industrial exposure to meet the global challenges
- To create an environment for continual progress through life-long learning

The college is committed to the social upliftment of the students in tune with the Vision and Mission statements. The administration ensures quality and excellence in teaching, research and outreach activities.

The Governing Body chaired by the Chairman and Secretary is the policy making body which meets twice in a year to review the policies, strategies, achievements, budgets and plans. The Academic Council chaired by the Principal meets twice in a year and focuses curriculum design, teaching-learning and evaluation process. The suggestions of the experts help to provide the inputs for academic improvement.

The IQAC monitors the quality of all activities of the institute by conducting audits, awareness programmes, student feedback, student surveys, and training programmes for the faculty and staff.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vcengg.ac.in/NAAC/AQAR/2021-22/c6/6.1.1/6.1.1.index.pdf">https://vcengg.ac.in/NAAC/AQAR/2021-22/c6/6.1.1/6.1.1.index.pdf</a>

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The institution promotes participative and decentralized administration which is duly guided by the administrative members consisting of the Chairman, Executive Director and the Principal. This is achieved by adequate representations assigned to the faculty and students at appropriate levels.

**Decentralization**

- Decentralization of academic activities and empowerment of the faculty through delegation of authority.
- To develop leadership skills additional responsibilities are given to the faculty in the form of coordinators of various cells and heads of several committees.
- Participation of students in decision making by ensuring constructive feedback and class committee meetings.
- Involvement of faculty members in OBE syllabi preparation as part of BoS
- Deliberations with all the members of faculty about academic and research activities during the faculty meeting.
- Each department has its own association and is administered by student office bearers like Secretary, Joint Secretary, Treasurer and Executive Members

**Participative Management**

The College ensures equality at all levels from academic to administrative positions. A transparent mechanism is being adopted for executing the operations of the day-to-day activities and to take vital decisions. The Chairman and the Executive Director interact with the Principal, Heads of the departments and the teaching fraternity, on a continuous basis, as a part of participative management. The Principal conducts meetings for section heads and administrative staff to discuss the day-to-day management. Top level financial decisions are taken collectively after necessary discussions at the finance committee meetings.

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vcenggw.ac.in/NAAC/AQAR/2021-22/c6/6.1.2/6.1.2.index.pdf">https://vcenggw.ac.in/NAAC/AQAR/2021-22/c6/6.1.2/6.1.2.index.pdf</a>

## 6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The successful accomplishment of deriving the best from any system requires the designing of a fool proof plan. The development and growth of the institution depends on the effective strategic plan and its implementation. The college has well defined strategic plan which was framed based on the various input and suggestions received from the stakeholders of the institution. It was implemented towards the holistic development and it focuses on

- Infrastructure Development
- Teaching- Learning Process
- Students Development
- Faculty Development
- Co-curricular Activities
- Extra Curricular Activities
- Research and Development Strategy

In all the departments, faculty clusters are formed based on the area of specializations of the faculty members to enhance the research activities. For example, in the Department of Electronics and Communication Engineering, three different domain-specific groups have been established to carry out research-related activities for the benefit of both students and faculty members. Communication and Networking, VLSI signal processing, and Embedded Systems are the three areas of specialization.

The smart classrooms make the teaching-learning process highly efficient. All the classrooms have high-quality projectors that can produce stunning images, videos and also broadcast the contents of the computer. Students can listen and see countless examples to understand concepts by looking at slides, videos and other AV modules offered by the faculty.

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://vcenggw.ac.in/NAAC/AQAR/2021-22/c6/6.2.1/6.2.1.index.pdf">https://vcenggw.ac.in/NAAC/AQAR/2021-22/c6/6.2.1/6.2.1.index.pdf</a>
Upload any additional information	<a href="#">View File</a>

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

The Governing Body is the apex body to enforce the policies and strategies. The Chairman and Secretary is the chairperson of the Governing body of the College. He is the deciding authority to enforce all policies, recruitments, service guidelines, and infrastructure amplification.

The Executive Director directs and evaluates the academic plans and maintains the best outcome of the Teaching-learning process strengthening research activities.

The Chief Executive coordinates the infrastructural development and facilities.

The Principal looks after the administration regarding policies, department programmes, recruitments, compliance, support, and retention. He also maintains communication with Placement Director, Heads of the departments, Admission Coordinators, other administrators, and all teaching and Non-teaching staff members on matters of concern to the college.

The Principal, Heads of the Departments and other faculty members are appointed by the Governing body. The Principal is the Executive authority responsible for running the college as per the statutory regulations.

The IQAC, following the NAAC guidelines, spearheads all the quality improvement and sustenance programs and activities.

The Controller of Examinations is in-charge of examinations and ensures adherence to the academic calendar conducting internal and end semester examinations and declaration of results.



The Heads of Departments coordinate the activities of the departments

The Coordinators of all cells, committees and clubs plan the annual activities meticulously.

The College Office, headed by the Office superintendent, takes care of all administrative activities with the consultation of the Principal and approval of the management.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://vcenggw.ac.in/NAAC/AQAR/2021-22/c6/6.2.2/Organizational_chart.pdf">https://vcenggw.ac.in/NAAC/AQAR/2021-22/c6/6.2.2/Organizational_chart.pdf</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vcenggw.ac.in/NAAC/AQAR/2021-22/c6/6.2.2/6.2.2.index.pdf">https://vcenggw.ac.in/NAAC/AQAR/2021-22/c6/6.2.2/6.2.2.index.pdf</a>

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

#### Effective Welfare Measures

The institution has welfare measures and schemes both for teaching and non-teaching staff.

- Staff quarters is made available both for teaching and non-teaching staff.
- Free medical facility to all the employees and students in Vivekanandha Hospitals.
- Free transport facility for all the employees and students of the college.
- The wards of the employees are given concession of their educational fee.
- Registration fee and TA/DA given to staff who present papers in conferences as well as seminars.
- The amount spent on publishing papers in National and International Journals are reimbursed.
- Group insurance is also offered to all the employees of the college.
- The employees of the college shall be entitled to the benefits of provident fund.
- Casual Leave, Medical leave, Earned leave and Maternity leave are provided to all staff as per norms.
- 3 weeks and 2 weeks of vacation during the summer and winter respectively are given to staff.
- Staff Welfare Club is functioning for the recreation and rejuvenation of the staff.

#### Career development

- The faculties are encouraged to register for Ph.D. while working in the institution. The college reimburse the fees.
- Faculties who are doing Ph.D. are eligible to claim six days on duty leave to attend doctoral committee meetings, course work examinations and attending conferences.
- The non-teaching staff are encouraged to improve their qualification.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vcenggw.ac.in/NAAC/AQAR/2021-22/c6/6.3.1/6.3.1.index.pdf">https://vcenggw.ac.in/NAAC/AQAR/2021-22/c6/6.3.1/6.3.1.index.pdf</a>

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

75

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

14

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

### 6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

84

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 6.4 - Financial Management and Resource Mobilization

### 6.4.1 - Institution conducts internal and external financial audits regularly

The Institution has established mechanism for conducting internal and external audits on the financial transactions to ensure financial compliance. The College follows all statutory requirements for audits and accounting practices. Internal audit is conducted by

the financial department of the institution. The department thoroughly verifies the income and expenditure details and the compliance report are submitted to the Management through the Head of the Institution. External audit is conducted periodically by the appointed auditors.

#### Process of the internal audit:

All vouchers are audited by the financial department on regular basis. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers. If any discrepancy is found, the same is brought to the notice of the Head of the Institution.

#### Process of the external audit:

The accounts of the Institution are audited by chartered accountant regularly as per the government rules. Discrepancies during the audit are discussed and sorted out with the supporting documents.

#### Mechanism for settling audit objections

During audit, the queries raised by the chartered accountant are addressed by the finance department. Explanation to the queries has to be given within 15 days time and rectification entries are to be done within 10 days. Auditor reviews the audited financials, and after discussion with the Management, signs the financials, before filing returns with the Department of Income Tax.

The Institution has not come across any major audit objection during the preceding years.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vcenggw.ac.in/NAAC/AQAR/2021-22/c6/6.4.1/6.4.1.index.pdf">https://vcenggw.ac.in/NAAC/AQAR/2021-22/c6/6.4.1/6.4.1.index.pdf</a>

#### 6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The Institution has well-defined financial structure to ensure effective and optimal utilization of resources for academic, administrative, development and maintenance purposes.

##### Finance committee:

The Governing body and the Finance Committee of the institution takes decision on financial and related matter. Financial Committee has the responsibility for planning, implementing, and managing all the financial resources. It reviews the funding pattern, provides guidelines and strategies for mobilizing resources to support the implementation of the Institutions strategic plan, and the fulfilment of its Vision and Mission.

##### Fund mobilization:

Broadly, major internal resource mobilization is in the form of Academic Receipts (Admission fee, tuition fee, examination fee, etc.,). Meanwhile, the external sources of finance are research grants, scholarships, consultancy, revenue collection in the form of deposits (loans from banks) etc., to meet expenses.

##### Fund allocation:

During the budget preparation, all the academic, department heads and various cell in-charges are requested to provide the annual budget requirements keeping in view of development and updating of laboratories, consumables, computing facilities, library, teaching-learning process, training, extension activities, software and etc.,

##### Fund utilization:

Financial Committee keeps track of the budget throughout the year and confirms adequate resources are spent for teaching-learning practices, salary and wages, library facilities, day-to-day

operational and administrative expenses, maintenance charges, purchase/up-gradation of laboratories equipment, etc.,

### Audits

Internal and external audit are carried out promptly and audit objection are taken care of.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vcengg.ac.in/NAAC/AQAR/2021-22/c6/6.4.3/6.4.3.index.pdf">https://vcengg.ac.in/NAAC/AQAR/2021-22/c6/6.4.3/6.4.3.index.pdf</a>

## 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

- Academic and Administrative Audit (AAA)
- ISO Certification
- Accreditation - NAAC & NBA
- Autonomous Status
- Participation in ARIIA & NIRF
- Strategic Planning & Development
- Implementation of Outcome Based Education
- Collaboration with other Institutes & Industry (MoU)
- Mentor Mentee Scheme
- Preparation of Academic Schedule and Academic Calendar
- Feedback & Action Taken
- Sensitization and Quality Enhancement
- ICT Enabled Teaching Learning
- Organizing Quality related Programmes
  - Induction Programme for Faculty, Non-Teaching and Students
  - Universal Human Values Training Programme
  - Students Orientation Programme
  - Awareness programme of NAAC, NBA and ISO for Faculty and Students
  - Engineers Day
- Incremental Improvements
  - Autonomous Status upto 2023

- SmartDigitalClassroom
- OBE Software
- ARIIRankingBANDPromisingCategory
- NBAREaccreditation(Tire 1) for CSE,EEE, IT & Bio-Tech
- Establishment of AICTE IDEA Lab
- ISO 9001 : 2015Certification
- IEI EngineeringEducationExcellenceAward
- SustainableInstitutions ofIndia - TheGreen Rankings2023: A GradeCategory: Gold

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vcengg.ac.in/NAAC/AQAR/2021-22/c6/6.5.1/6.5.1.index.pdf">https://vcengg.ac.in/NAAC/AQAR/2021-22/c6/6.5.1/6.5.1.index.pdf</a>

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

#### Incremental Improvements inTeaching Learning Process

- Value Added Courses
- Internship & Projects
- Skill Rack Training
- Student Centric Learning Methods
  - Participative Learning
  - Experiential Learning
  - Problem Solving Learning
- Remedial Classes for Slow Learners
- Special Provisions for Advanced Learners
  - Additional Courses
  - NPTEL Courses
  - Paper Publications
  - Higher Education & Other Language Coaching
  - Peer Learning
- Blended Learning Methods
  - In-house LMS & Moodle
  - GCR to conduct online tests and Evaluation
- Effective Mentor-Mentee System for Academic, Personal & Health Counseling
- ICT Enabled Smart Classrooms & Lecture Capturing Systems for Student Learning
- Periodical Feedback System on Curriculum, Teaching Learning & Grievances

- NPTEL Courses by Faculty & Student
- E-Learning like IEEE, DELNET, E-Gate, etc.,
- Innovative Practices in Teaching Learning Process
  - Activity Based Learning
  - Participative Learning
  - Project Based Learning
  - Problem Solving Learning
  - Hands on Training
  - Collaborative Learning
  - Flipped Classroom
  - Active Learning
  - Mind Mapping
  - Peer Learning
  - Role Play
- Modern Technology in Teaching Learning Process
  - ICT Enabled Classroom
  - Visual Learning Centre
  - Google Meet
  - Moodle
  - Virtual Lab
  - Google Classroom
  - E-Content : YouTube
  - NDLI Online Platform for Library Access

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://vcengg.ac.in/NAAC/AQAR/2021-22/c6/6.5.2/6.5.2.index.pdf">https://vcengg.ac.in/NAAC/AQAR/2021-22/c6/6.5.2/6.5.2.index.pdf</a>

<p><b>6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)</b></p>	<p><b>A. Any 4 or all of the above</b></p>
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File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://vcenggw.ac.in/NAAC/AOAR/2021-22/Annual-Report-2021-2022.pdf">https://vcenggw.ac.in/NAAC/AOAR/2021-22/Annual-Report-2021-2022.pdf</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

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

Vivekanandha College of Engineering for Women is being a women institution not only sensitized students on gender equity but also to create awareness and sensitized about opposite gender so that they can easily adopt in the workplace.

#### Curricular and Co-Curricular Activities:

Programs and workshops are organized with a focus on empowering and encouraging female students to participate. Women's Day is observed by welcoming and honoring female achievers from different walks of life

#### Facilities on Campus

#### Safety and Security

- Surveillance camera and biometric systems are installed in the main gate, hostel gates to ensure safe check-in and check-out of girls
- Sick-room facilities are available within the campus.
- Hospitals are available in the campus.
- Security Guards monitor on 24\*7 basis by complete security patrolling over the campus.

#### Counselling

- Mentor is allotted for every 15 -20 students. They provide

personal and psycho-socio guidance to the student

- Supervisors have been appointed in the hostels to address the needs of girls

**Common Room:**

- Space for the visitors near HoD and Principal cabin
- Separate wash rooms for male and female in the academic block

**Grievances Cell:**

- Anti-Ragging committee formed eradicates the ragging activities
- Women Empowerment Cell is available for the welfare of the women students/faculty/staff

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://vcenggw.ac.in/NAAC/AQAR/2021-22/c7/7.1.1/7.1.1%20Specific%20facilities.pdf">https://vcenggw.ac.in/NAAC/AQAR/2021-22/c7/7.1.1/7.1.1%20Specific%20facilities.pdf</a>

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

A. Any 4 or All of the above

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

**7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)**

To achieve the national mission of clean and green environment, several activities are implemented

**Solid Waste Management:** Solid wastes are collected from hosteland college premises every day by housekeeping staff members and are segregated into biodegradable and non-biodegradable waste in separate garbage bins and are disposed of accordingly as per the

guidelines.

**Liquid waste management:**..The liquid waste is redirected to Sewage Treatment Plant which is exclusively setup within the campus.

**Biomedical Waste Management:**In order to dispose the sanitary napkin waste generated inside the campus , there is an Incinerators used to incinerate the sanitary napkins, which is placed in ladies rest rooms in academic block as well as Hostel

**E-waste management:**The Computers that are available in old version are transferred to our sister institutions for practical and project purposes.

Periodic checking ensures the proper disposal of non-working electronic items.

**Water Recycling System:**Water from the kitchen,washbasin, bathrooms of the hostel is sent to the Sewage Treatment Plant for the recycling process.Further, the recycled water is used for gardens, landscapingand vegetation

**Hazardous chemical and radioactive waste management:**These wastes are generated in a very little quantity and it is disposed properly and treatment is done at our hospital unit.

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

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

A. Any 4 or all of the above

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

### 7.1.5 - Green campus initiatives include

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

**A. Any 4 or All of the above**

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

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

**7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy 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	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.**

**A. Any 4 or all of the above**

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

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

**Vivekanandha College of Engineering for Women caters to an inclusive environment with diversity in terms of culture, region, linguistic, communal, socioeconomic, and other aspects. All are given the opportunity to engage in various activities that promote social harmony.**

**Efforts to handle Cultural diversity**

To accommodate the cultural diversity of students, by encouraging them to exchange the cross cultural ideas and celebrate different cultures' festivals and values. The cultural festivals greetings are exchanged by faculty and students during festivals like Pongal, Onam, Dudsera, religious festivals such as; Ramadan, Bakrid, Christmas, Easter Sunday etc. VCEW promotes values that are concerned with being rooted in contemporary contexts on various social issues such as gender equity and environmental sustainability through tree plantation, saving of water, clean India campaigns and non-use of plastics campaigns.

Efforts to handle Linguistic diversity: In order to manage a diverse workforce, VCEW always ensures culturally inclusive communication with employees and students. To overcome language barriers through TOSTMASTER Club, all procedures safety rules, and other important information are properly designed.

Efforts to handle Socio-economic diversity: VCEW has taken initiatives to accommodate student from socio-economic groups by offering fee concessions and scholarships for admitted students.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

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

VCEW undertakes different initiatives by organizing various activities to sensitize students and employees to the constitutional obligation: Values, Rights, Duties and responsibilities of the citizens.

#### Curriculum

In order to create Sensitization of students and employees of the institution to constitutional obligations, college offers courses in Environment Science Engineering, Indian constitution & Universal Human Values, Professional Ethics & Human Value and Entrepreneurship Development.

#### Yoga

College offers Yoga training program to the students for every year.

**Constitutional Values**

Every year Republic day is celebrated on 26th Jan by organizing activities highlighting the importance of Indian Constitution. Independence Day is also celebrated every year to highlight sacrifice of the martyrs and freedom fighters and importance of Indian constitution.

**Social Responsibility and Duties**

During natural calamities and on national social causes donations were collected for post relief support activities To build a green infrastructure on campus, students plant a variety of plants there each year Several social awareness programs have been organized such as Dengue Awareness programme, village cleaning programme, Eye camp, general health checkup camp, blood donation camp and Plastic usage awareness camp.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

<p><b>7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization 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 Annual awareness programmes on the Code of Conduct are organized</b></p>	<p><b>A. All of the above</b></p>
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File Description	Documents
Code of Ethics - policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

VCEW enthusiastically celebrates a number of National and International Events, Days, Festivals, and Commemorates the Birth/Death Anniversaries of many National Leaders in order to aid students in understanding the importance of the days and the nation.

##### COMMEMORATIVE DAYS:

Millions of people's lives are significantly impacted by numerous national leaders. Days like National Youth Day on January 12th are observed to remember this.

##### DAYS OF IMPORTANCE:

Patriotism is the sentiment of love and commitment to one's nation. To illustrate this, flags are raised on VCEW college grounds to commemorate Independence Day on August 15 and Republic Day on January 26. VCEW also arranges various events like March Past, Speech Competition and Patriotism related quiz in Independence day and Republic day. In VCEW World book day is celebrated to Creating Book reading awareness to the Students.

##### DAYS OF REMEMBRANCE:

Teachers' Day to commemorate and honour the birth date of Dr. Radhakrishnan. National Engineers' Day is held in India in honour of Sri Mokshagundam Visvesvaraya, considered to be the country's best engineer. A major social duty is the empowerment of women. Women's Day is observed on March 8th for all female students and staff members of VCEW as a way of recognising this.



File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	No File Uploaded

## 7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

### 1. Title of the Best Practice Building Empowerment Skills & Talents (BEST)

2. Objectives of the Practice: Through skill development initiatives, VCEW empowers rural women students and prepares them to be employable and effective citizens through skilled education.

3. The Context: VCEW focuses towards empowering rural women to assert their rights include education, training, boosting self-confidence, skill development programmes.

4. The Practice: Skill empowerment is achieved through Professional Certification Programs

### 5. Evidence of Success

- In 2021-22 ,206 students were placed in on-campus drives,
- Students and Faculty members completed certification programmes

### 1. Title of the practice: Reach the Unreachable Students from Home (RUSH)

### 2. Objectives of the practice:

- To encourage students from remote locations to continue their Higher Education
- To Ensure the safety of female students

3. The Context: . Offering transportation at free of cost to all its students and employees.

4. The Practice: By providing free transportation through 19 buses to isolated rural locations in the Namakkal and adjoining districts with GPS Tracking facilities

5. Evidence of success: Parents' trust in the college has greatly increased.

6. Problems Encountered & Resources Required : Frequent increase in the price of fuel & Increase in the maintenance cost

File Description	Documents
Best practices in the Institutional website	<a href="https://vcengg.ac.in/NAAC/AQAR/2021-22/Best-Practices.pdf">https://vcengg.ac.in/NAAC/AQAR/2021-22/Best-Practices.pdf</a>
Any other relevant information	<a href="https://vcengg.ac.in/NAAC/AQAR/2021-22/c7/7.2/7.2.pdf">https://vcengg.ac.in/NAAC/AQAR/2021-22/c7/7.2/7.2.pdf</a>

### 7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

**Transform Admirable Rural Girls with Exceptional Talent (TARGET)**

**Scholarship :** To serve the society at large, particularly women, VCEW gives scholarship to students. Most of the women students are economically poor, hence the institution provides scholarships for meritorious and needy students

**Transportation with care:** To encourage women empowerment in rural area the college provides free transportation to all students and staff members. A fleet of 19 buses fly to nearby districts in order to commute rural students to the college

**Skill Enhancement:** To enhance the skills in technological areas, students are encouraged to participate in NPTEL Swayam courses, PALS Programmes, ICT Academy, IIT Spoken Tutorial, etc.

**Ethical and Human Values:** The institution teaches the Human Values to future engineers by incorporating courses in the curriculum itself.

**Emotional Enhancement:** The college has a strong mentorship system which provides guidance and counselling is also offered to accelerate personal and professional development of students.

Entrepreneurship and Placement "Startup Ideas" are encouraged through Entrepreneurship Development Cell of the college.

To sum up, the institution shows all-round effort in empowering the women students through various activities. All these distinctive acts of the institution enhance its visibility and the institution has become one of the pioneering Institutions for women educators in India.

File Description	Documents
Appropriate link in the institutional website	<a href="https://vcenggw.ac.in/NAAC/AQAR/2021-22/c7/7.3/7.3.pdf">https://vcenggw.ac.in/NAAC/AQAR/2021-22/c7/7.3/7.3.pdf</a>
Any other relevant information	<a href="#">View File</a>

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

#### Plan of action for next academic year

- Attain NIRF rankings in Top 50 (within Tamilnadu state)
- Increase E - books to 100 per department
- Enhance and improve Outcome Based Education (OBE) continuously
- Introduce 2 industrial collaborated courses per department
- Motivate minimum of 200 students to appear for GATE / TANCET examinations and 20 to get qualified
- Produce 20 entrepreneurs per year
- To increase the publication of Faculty in reputed journals to 70 percent
- Motivate 2 faculty members to undergo industrial training in every semester from all the departments and experts from industry to deliver lectures will be increased to 5/department/year
- Motivate all PG students to publish their article in referred journal or international conference
- Minimum 10 new funded projects (10 to 15 lakhs) should be applied
- Five new MoUs / department should be signed with industries and other institutions/universities per year
- Department wise funded seminar/workshop/FDP should be organized per year
- Targeted to achieve three consultancy activities / department