YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution   A.V.C. COLLEGE OF ENGINEERING

- Name of the Head of the institution   Dr.C. Sundar Raj

- Designation   Principal

- Does the institution function from its own   Yes
  campus?

- Phone no./Alternate phone no.   04364227202

- Mobile no   9442075675

- Registered e-mail   avcce@avccengg.net

- Alternate e-mail   principal@avccengg.net

- Address   A.V.C College of
                                         Engineering,Mannampandal ,
                                         Mayiladuthurai-609305
                                         Mayiladuthurai Dist., Tamil Nad

- City/Town   Mayiladuthurai

- State/UT   Tamil Nadu

- Pin Code   609305

2.Institutional status

- Affiliated /Constituent   Affiliated

- Type of Institution   Co-education

- Location   Rural

- Financial Status **Self-financing**

- Name of the Affiliating University **Anna University , Chennai**
- Name of the IQAC Coordinator **Dr.N.Dhanasekar**
- Phone No. **04364227202**
- Alternate phone No. **04364227299**
- Mobile **9443578497**
- IQAC e-mail address **naacaqar@avccengg.net**
- Alternate Email address **avcce@avccengg.net**

3.Website address (Web link of the AQAR (Previous Academic Year) http://www.avccengg.net/downloads/AQAR2021.pdf

4.Whether Academic Calendar prepared during the year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: http://avccengg.net/academic/images/avcacademic1.pdf

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.73	2013	05/02/2013	04/02/2018
Cycle 2	B++	2.88	2018	03/07/2018	02/07/2023

6.Date of Establishment of IQAC **16/05/2013**

7.Provide the list of funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. S. Padmapriya,	RPS	AICTE	3	14,32,000
Dr.S.Rajkumar.	Research project	SERB	3	9,64,000

8.Whether composition of IQAC as per latest **Yes**

NAAC guidelines

- Upload latest notification of formation of IQAC

9.No. of IQAC meetings held during the year   `3`

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website?   `Yes`

- If No, please upload the minutes of the meeting(s) and Action Taken Report   No File Uploaded

10.Whether IQAC received funding from any of the funding agency to support its activities during the year?   `No`

- If yes, mention the amount

11.Significant contributions made by IQAC during the current year (maximum five bullets)

`Department of EEE, MECH, CSE, ECE Got NBA for three years`

`Impart skill development, internship and value added courses to the students were signed 9 MOUs`

`Arranged soft skill and aptitude training to the final year and prefinal year students to improve placements in MNC`

12.Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year

Plan of Action	Achievements/Outcomes
1.School Visit for U.G Admission and Technical events for Polytechnic students for Lateral Entry Admission: To expose the facilities available at AVCCE and to educate the value of different disciplines of Engineering programmes like CSE, IT, ECE, EEE, ICE, Mech and Civil. The following programmes were planned in polytechnic and school level. *Technical quiz *Treasure hunt *Circuit design	Visibility of our institution and the courses offered by us is increased and hence the admission increased from 48.9% to 95.3 %.
i) To enhance the enrolment in UG I year and II year, the following programmes were planned to conduct at school and polytechnic level. To visit different schools in and around Mayiladuthurai and give awareness programme about the value of Engineering. (ii)To invite the higher secondary students for project expo at our institution to have higher visibility of our infrastructure. (iii)To conduct competitions and events like mathematical Quiz to the higher secondary students and various technical events for polytechnic students by different departments.	Various departments (EEE, ICE, Civil, Mech) organised technical events for polytechnic students.
2.Students skill development: To make the students employable, the following skill development activities are planned: (i)Inplant Training (ii)Industrial visit (iii)Internship (iv)Value Added Course to cover content beyond syllabus (v) MOOC/NPTEL (vi)Aptitude training by	Higher education and placement. (i) 171 students of various departments had undergone In-plant training in various companies. (ii) Our students had visited different industries like, Kerala Agro Machinery Limited, Kerala, Indian Naval Maritime, Kerala, Seablue Ship yard, Kerala, Glisten IT Pvt

external agencies.	Ltd., Cochin, Kerala Electrical and Allied Engineering Co.Ltd, Cochin, Indian Institute of Food processing technologies, Thanjavur, IIM, Bangalore, ID fresh food India Pvt., Ltd., Bangalore, Vikram Sarabhai space center[ISRO], Nest Cyber campus Pvt.Ltd, Kochi, Thiruvananthapuram. (iv)Value added courses were conducted in all departments to cover the syllabus beyond their curriculum. (v) Since the inception, our Local chapter have consistently motivated our students and faculty to enroll for NPTEL certification courses. As an outcome, our institution is recognized as exam partner from July 2022 and also recognized as active local chapter. There are 771 enrolments in January-April 2022 examinations. 353 enrolments in July-December 2022 examinations. (vi)Aptitude training program were conducted for the final year students by Mr. B. Vinoth for the enhancement of Aptitude skills of students in on- campus and off-campus drives. 183 students were placed in 41 companies.
3.To provide more employment opportunity to the students it is planned to visit various companies by the placement cell to conduct more placement drives.	The placement member visited many companies and invited for placement recruitment. 20 number of companies including TCS, Infosys, HCL, ZOHO, Wipro, Unipro software solutions (Singapore based MNC), Vuram Technologies, JBM groups (UK based MNC), City Union Bank provided 20 on-campus drives and 21 off-campus drives for the

	final year students
4.To maintain the students strength in a desired ratio, it is planned to apply for additional intake in some demanded courses and to reduce the strength in undemanded courses.	Applied for increase in intake for CSE,IT and MBA. The intake of CSE and IT increased from 60 to 120, MBA increased from 45 to 60. M.E (Energy Engineering & Applied Electronics) reduced from 12 to 0.
5.To maintain quality, it is planned to apply for NBA accreditation for eligible courses.	To maintain quality, it is planned to apply for NBA accreditation for eligible courses.
6.To enhance the knowledge of faculty, it is planned to conduct various faculty development programmes through different cell/Club activities. (i)IIC planned for more than 20 events. (ii)ISTE planned for one event. (iii) Alumni Meet to be celebrated again by Alumni Association after COVID pandemic.	The faculty members attained knowledge in the current field. (i) IIC - Institution's Innovation Council of our college conducted 38 different events for the benefit of students and faculties. IIC cell received Three Star Rating for various activities conducted at our institution as prescribed by the Innovation Cell, Ministry of Education, Govt. of India during the IIC Calendar year 2021 – 2022. (ii) ISTE - A webinar on 54th Engineers day was organized on the topic "Engineers for Skill Development & Employment in Combating COVID". Er. K. Vaidyanathan, Associate Director, Verizon, Chennai was the chief guest of the day. (iii) Alumni Meet 2023 was celebrated on 17th December 2022 in College premises. Nearly 250 Alumni from various parts of the country and abroad participated in the Programme and shared their views. From each department, two alumni were honored with "Best Alumni contribution award -2022" and "Best alumni Entrepreneur award-

	2022".
7.To improve research and patent filing attitude of the faculty, it is planned to form IPR cell with interested faculty members.	7 patents have been filed in the academic year 2022-23.
8.To encourage the faculty members to do Ph.D.	*60 papers have been published in various National and International Journals and 35 papers have been presented in various National and International conferences by our staff members. *Out of 111 faculty members 59 faculties have completed their Ph.D degree. 24 faculty members are pursuing and doing Research Work in this academic year 2022-2023.

13.Whether the AQAR was placed before statutory body?   **Yes**

- Name of the statutory body

Name	Date of meeting(s)
IQAC	25/05/2023

14.Whether institutional data submitted to AISHE

Part A	
Data of the Institution	
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• Name of the Head of the institution	Dr.C. Sundar Raj
• Designation	Principal
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• Location	Rural
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(vi)Aptitude training by external agencies.	Seablue Ship yard, Kerala, Glisten IT Pvt Ltd., Cochin, Kerala Electrical and Allied Engineering Co.Ltd, Cochin, Indian Institute of Food processing technologies, Thanjavur, IIM, Bangalore, ID fresh food India Pvt., Ltd., Bangalore, Vikram Sarabhai space center[ISRO], Nest Cyber campus Pvt.Ltd, Kochi, Thiruvananthapuram. (iv)Value added courses were conducted in all departments to cover the syllabus beyond their curriculum. (v) Since the inception, our Local chapter have consistently motivated our students and faculty to enroll for NPTEL certification courses. As an outcome, our institution is recognized as exam partner from July 2022 and also recognized as active local chapter. There are 771 enrolments in January-April 2022 examinations. 353 enrolments in July-December 2022 examinations. (vi)Aptitude training program were conducted for the final year students by Mr. B. Vinoth for the enhancement of Aptitude skills of students in on- campus and off-campus drives. 183 students were placed in 41 companies.
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- Name of the statutory body

Name	Date of meeting(s)
IQAC	25/05/2023

14.Whether institutional data submitted to AISHE

Year	Date of Submission
2022	26/12/2022

15.Multidisciplinary / interdisciplinary

As per Anna University norms students may be permitted to choose the open electives on their interests. The students have the liberty of choosing open electives from other programmes to discover their interests during their learning journey, and

this would enable them to forge
their own path. Further the curriculam permits the students to
choose online courses from sources like Swayam in lieu of open or
professional electives for a maximum of 6 credits.This gives
students the to claim a variety of skills.

16.Academic bank of credits (ABC):

As per Anna University norms , students can earn credits through
online courses (maximum of 6 credits) and interunship / Inplant
training can be transfered . Value added courses also having
credits but not considered to calculation of CGPA.

17.Skill development:

Skill developments programmes are conducted through Nan Mudhalven
and Nalayathiren schemes of Goverment of Tamilnadu and the
credits earned will be transfered to the students account.
Further internship / inplant training is made as mandatory from
2021 onwards

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

As per the Anna University syllabus, the significance of
promoting the Indian knowledge system is
emphasized through various community oriented activities.
Students are encouraged to observe and
participate in cultural events for regional and national
importance. Students Fine Arts club is aiming
at nurturing language skills in the local language. Faculty
members are motivating the students by
translating the SWAYAM, NPTEL courses into Tamil.

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

Outcome Based Education (OBE) is an educational model that forms
the base of a quality education system. There is no single
specified style of teaching or assessment in OBE. All educational
activities carried out in OBE should help the students to achieve
the . goals. The faculty may adapt the role of instructor,
trainer, facilitator, and/or mentor, based on the outcomes
targeted.

OBE enhances the traditional methods and focuses on what the
Institute provides to students. It shows the success by making or
demon strating outcomes using statements" able to do" in favor of
students. OBE provides clear standards for observable and
measurable outcomes.

Internal Semester Question Paper setting and evaluation Process

For every semester, three internal assessment tests are conducted as per 2017 regulations and two internal assessments are conducted as per 2021 regulations. Each test is conducted for 100 marks. The questions are framed as per Blooms taxonomy. Each question is annotated with Course outcome, program indicators and skill levels such as R for Remembering, AZ for analyzing, U for understanding and so on. Answer sheets contain the CO and mark distribution format sealed in it. After evaluating the answer sheet, staff has to fill in the tabular columns as how much mark is obtained by a student with respect to each Course outcome.

B. Process to ensure questions from outcomes/learning level perspectives

Questions are mapped with CO's and skills as per Blooms taxonomy (BT) levels. Average of all students' marks as per course outcome distribution is taken for CO -PO attainment calculation.

C. Evidence of COs Coverage in Assessment Test

Individual student's answer book is evaluated and questions answered by the student is mapped with CO's and PO's.

**D. Quality of assignment and its relevance to CO'sFor each unit, assignment topics will be framed and after the completion of each unit, assignment questions will be given to students, and student has to write it & submit within a week. Each question is mapped with Cos so that students will be able to understand the course outcome of a particular subject.

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

The internal assessment system of the students is transparent. The test answers and marking scheme is discussed by the faculty with the students. The attendance record of each student is maintained and due weightage is given for attendance in theory class and practical sessions, performance in tests/tutorials and timely submissions. The Institute encourages independent learning through project and paper presentations by students.

- ○ The Institution and the departments stated their PEOs, PSOs and POs. It is disseminated to all the students through college calendar, website, notice board etc., The

department staff members disseminate the course outcome in the form of oral presentations in the first class of every semester, explain the course outcomes to the students, representations in Lesson plans and also during the elective selection process. The faculty members are also insisting the students to explain the objectives that are already met and yet to meet. The course outcome includes specific knowledge, applications, areas of development, allied areas to think, etc., which the institution expect the students to learn in their course duration. The POs designed by Washington accord is mapped with the course outcome and is evaluated during continuous assessment tests. The PO and CO attainment is measured as follows with corresponding correlation levels,

- 3 :High
- 2 : Medium
- 1 :Low

20.Distance education/online education:

AVC College of Engineering is affiliated with Anna University. As per Anna University norms students may be permitted to do two online courses (which are provided with certificate), subject to a maximum of six credits. The online course of 3 credits can be considered instead of one elective course. These online courses shall be chosen from the SWAYAM platform, provided the offering organisation conducts regular examination and provides marks. The credits earned shall be transferred and the marks earned shall be converted into grades and transferred, provided the student has passed in the examination as per the norms of the offering organisation. The details regarding online courses taken up by the student and marks/credits earned and the approval for the course from Centre for Academic Courses shall be sent to the Controller of Examinations, Anna University in the subsequent semester(s) along with the details of the elective(s) to be dropped.

Extended Profile

1.Programme

1.1   **622**

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

File Description	Documents
Data Template	[View File](#)

2.Student

2.1   **2208**

Number of students during the year

File Description	Documents
Institutional Data in Prescribed Format	[View File](#)

2.2   **209**

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

File Description	Documents
Data Template	[View File](#)

2.3   **407**

Number of outgoing/ final year students during the year

File Description	Documents
Data Template	[View File](#)

3.Academic

3.1   **120**

Number of full time teachers during the year

File Description	Documents
Data Template	[View File](#)

3.2   **120**

Number of sanctioned posts during the year

Extended Profile

1.Programme

1.1 Number of courses offered by the institution across all programs during the year	**622**

File Description	Documents
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2.Student

2.1 Number of students during the year	**2208**

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Institutional Data in Prescribed Format	[View File](#)

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File Description	Documents
Data Template	[View File](#)

2.3 Number of outgoing/ final year students during the year	**407**

File Description	Documents
Data Template	[View File](#)

3.Academic

3.1 Number of full time teachers during the year	**120**

File Description	Documents
Data Template	[View File](#)

3.2 Number of sanctioned posts during the year	**120**

File Description	Documents
Data Template	<u>View File</u>

4.Institution	
4.1 Total number of Classrooms and Seminar halls	**53**
4.2 Total expenditure excluding salary during the year (INR in lakhs)	**139.21**
4.3 Total number of computers on campus for academic purposes	**560**

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

Regulation and the Curriculum are framed by the Anna University, Chennai for all the affiliated institutions. The syllabi and regulations are changed once in four years. Based on the curriculum, course plan for each subject is prepared by the subject staff and the subject is being taught to the students. The curriculum is framed in such a way that 30/45/60/75 periods for theoretical and practical subjects for 2017 and 2021 Regulation. An Academic Handbook is prepared at the beginning of the academic year by the Institution for students and staff on reference about the working days and assessment schedule. The course file is an official record, a compilation of the planning and execution of teaching/learning activities carried out throughout a semester in an academic year for a particular subject. The course file consists of preface, previous year university question papers, notes, handouts, PPT, test/exam question papers, three model answer scripts for each test/exam (best, average and academically poor students), Assignment plan,

topics and copy of assignment, feedback analysis report etc. The entire process is monitored by the Head of the Department concerned, Dean (Academics) and Principal through verification of records, class room observations, faculty evaluation, self-appraisal report, etc.,

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	http://avccengg.net/academic/images/CL.pdf

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

At the begining of every academic year based on the academic schedule given by the affliated university an academic calender for each semester is prepared which includes number of working days ,examination and assessment schedule . The calendar is available in the college's website and notice board and also emailed to students. All classes and examinations are scheduled according to the calendar, ensuring strict conformity.Compliance of Continuous Internal Evaluation with Academic Calendar.

1. Classes and Lab time-table-The timetable is posted on the college portal and on the notice boards in every department.

2. Course files and Lecture Plans- The course file is subjected to the approval of the principal.

3. Internal Exams- The academic calendar lists the dates of the Continuous Internal Assessments CIA I, CIA II and Model Exam for 2017 Regulation and CIA I and CIA IIfor 2021 Regulation.

4. Internal Exam Question Papers- Internal exam question papers are created by faculty concerned and approved by the department head.

5. Evaluation of examination sheets- Each department's answer sheets are cross-checked by the HoD to ensure a transparent and unbiased evaluation.

6. Assignments and Quizzes

7. University Exams

8. Student feedback

9. Academic Monitoring

10. Amendments

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	http://avccengg.net/calendar.php

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

B. Any 3 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	[View File](#)
Any additional information	[View File](#)

1.2 - Academic Flexibility

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

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

12

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	**No File Uploaded**
Institutional data in prescribed format (Data Template)	View File

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

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

21

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

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

845

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

1.3 - Curriculum Enrichment

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

Our institution incorporates cross-cutting societal themes such as Moral Values, Human Values, Professional Ethics, Ethical Values, Gender Equality, and Environmental Awareness into our curriculum. Important parts of the curriculum include the compulsory topic "Environmental Science and Engineering" in the second year and the open elective course "Professional Ethics in

Engineering" in the final year.These topics give a free environment for students to instill ideals and acquire ethical competence. Days of national and international significance, such as Republic Day, Women's Day, Independence Day, Teacher's Day, and International Yoga Day, are commemorated at the college. CCTV and high-level security are in place on the college campus. To provide a safe atmosphere for all students, there is a separate Boys and Girls hostels (on-campus). Environmental Science and Engineering is prescribed by Anna University in order to raise environmental awareness and enhance the value of the environment among students. The primary goal of this course is to raise student awareness of the importance of ecosystems to human survival. The college has an integrated rain water harvesting System. The waste water is reused for gardening in the college campus.

File Description	Documents
Any additional information	[View File](#)
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	[View File](#)

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

355

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

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

680

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

1.4 - Feedback System

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

A. All of the above

File Description	Documents
URL for stakeholder feedback report	**Nil**
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	**No File Uploaded**

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

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

File Description	Documents
Upload any additional information	View File
URL for feedback report	http://avccengg.net/academic/images/feedback.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

347

File Description	Documents
Any additional information	**No File Uploaded**
Institutional data in prescribed format	[View File](#)

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

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

209

File Description	Documents
Any additional information	**No File Uploaded**
Number of seats filled against seats reserved (Data Template)	[View File](#)

2.2 - Catering to Student Diversity

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

The students admitted in our college are coming from various economic sections and communities of the society .

The following steps are taken to assess advanced learners

1. Along with class participation during lectures, tutorials,class tests, assignments, presentations, and other interactions are regularly assessed to identify the advanced learners.

2. Students are encouraged to refer advanced textbooks, journals and for their advanced studies. Home assignment and projects are taken prepared from the Students.

3. Encouraged to enroll in MOOC Courses – Swayam,NPTEL courses,Project Competitions and participate in National and International conferences/ symposiums, seminars , Smart India Hackathan,exhibitions and cultural competitions.

4. Students, who secured Ranks in the University Examination, are honored with Medals on the Annual Day

5 Motivated to share the gained knowledge to the other students thereby improving the knowledge sharing capability.

Based on the university grades secured by the students and CIA performance, identify the slow learners

1. Remedial Classes are conducted with an aim to improve the academic performance of the slow learners.This practice helps the struggling learners to improve subject knowledge

2. Mentor-mentee interaction keeps faculty in constant touch with students, irons out academic and personal issues, and stimulates overall personality development.

3. Providing simplified materials. Question Banks for all units and E- notes.

File Description	Documents
Paste link for additional information	http://www.avcinstitutions.net/material/
Upload any additional information	View File

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

Number of Students	Number of Teachers
1296	120

File Description	Documents
Any additional information	View File

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

Students are the most important stake holders of the Institute. At our Institute, all efforts are being taken to groom them as social engineers

Tutorials are conducted which include proactive teaching

learning methods. Multimedia teaching aids like animated videos, demo videos,P PT's are corporated in the day-to-day teaching process enhance the students understanding of the subject.

Guest lectures by experts from the industry and add-on courses are organized by the respective departments, to cover content beyond syllabus.

Language laboratory has been established for students to improve their English proficiency.

Soft skills training slots are incorporated in the weekly timetable, where experts, guided the students regarding presentation and communication skills.

Industrial visits and technical courses are arranged throughout the year to give hands-on experience to students.

Wi-Fi facility is available in the campus to allow students to access technical resources.

Being a responsible technocrat, our college motivates students to be a part of social activities through NSS, NCC, cultural / technical events and sports activities which help them to develop their overall skills

The college central library is well equipped with technical magazines, journals and NPTEL lecture videos.

Laboratories with Internet Connection permit the students to widen their knowledge and skills.

Faculty members apply teaching methods such as group discussions, seminars/ student presentation for better understanding of concepts/ technologies.

The project reference can be availed through internet with online journals.Digital library facility is available .The institution is the member of NDLI.

File Description	Documents
Upload any additional information	View File
Link for additional information	Nil

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

It is taken care that quality of Teaching-Learning process in the classroom is ensured. Standardized Course plans are followed for both theory and practical's verified by HoDs Dean and Principal. The following measures are adopted

The various ICT tools used in the campus are listed as follows

1. LCD Projectors- Available at all classrooms, Seminar hall and laboratories

2. Desktops - Available at department laboratories, HOD cabins.

3. Smart boards- Smart boards are installed at all the Smart classrooms in the campus

4. Access to MOOC platforms like NPTEL, Swayam etc.,

5. Youtube Channel hosting prominent lectures of the faculty and Media lab facility to create video lectures

6. Online availability of various journals in the intranet. Project-based learning is adopted for final and pre-final years

Google classroom is used to manage and post course related information such as lecture materials, assignments and internal assessment exams.

PowerPoint presentations are enabled with animations and simulations to improve the effectiveness of the teaching-learning process.

ICT allows the teacher to produce and modify resources quickly and easily. It helps teachers to design their lesson plans in an effective, creative and interesting approach that would result in students' active learning.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

2.3.3.1 - Number of mentors

78

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

120

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

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

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

55

File Description	Documents
Any additional information	**No File Uploaded**
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	[View File]

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

2.4.3.1 - Total experience of full-time teachers

1325

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

2.5 - Evaluation Process and Reforms

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

The college has a transparent and robust evaluation process in terms of frequency and variety. Anna University has created a centralized web portal for entry of internal marks for odd and even semester by the faculty to be viewed by the students with their user name and password at the end of the semester.

The university allots 80% marks for the end semester exams and 20% for internal assessment marks. The internal marks are based on the internal assessment tests conducted in the institution. Internal Assessment Marks, Attendance Percentage of the students are displayed in the student notice board.

The details regarding the Academic schedule planned by the Anna university and our Institution regarding internal assessment tests and model exam is displayed in the notice board and college academic calendar well in advance before the

commencement of exams.

Continuous evaluation is made through Continuous Internal Assessment tests(CIA), Assignments, / Field Work, and Seminars Presentation as per the university regulation.

Based on the CIA, the internal marks (20 Marks) is calculated for every student and is entered in the university web portal. Once the entry is made at Anna University web portal, every student can login in to the portal and check their attendance and marks in the respective subjects. Earlier, the weekly attendance, CIA Marks and Internal Marks are displayed in the student's notice board of the respective departments for a period of three to five working days

File Description	Documents
Any additional information	View File
Link for additional information	Nil

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

A complete transparency is maintained by the exam cell of our Institution during the internal assessment procedures as directed by the university. The internal assessment test schedules are prepared as per the university schedule and are communicated to the students well in advance.

Evaluation is done by the course-handling faculty members within three days from the date of examination. The corrected answer scripts at random are verified by the HOD to ensure the standard evaluation process. The corrected answer papers of the students are distributed to them for verification by the students and any grievance is redressed immediately. The marks obtained by the students in internal assessment tests are displayed on the department notice board and uploaded periodically on the university web portal along with their attendance. .

For the quality of the projects, the evaluation is done by Project Review Committee along with the project guides.

If a student is not able to appear for any Continuous Internal Assessment tests(CIA) due to medical or any genuine reason examination is conducted for that student as per norms, provided that he/she submits application with proper documents. Any student who is not satisfied with the assessment and award of marks may approach the concern HOD who can intervene and seek opinion of another course Teacher. The Institute follows open evaluation system where the student marks is displayed on the notice board and the same is informed to the parents.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

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

The Institution and the departments stated their PEOs, PSOs and POs. It is disseminated to all the students through college calendar, website, notice board etc., The course outcome includes specific knowledge, applications, areas of development, allied areas to think, etc., which the institution expect the students to learn in their course duration. The PO and CO attainment is measured as follows with corresponding correlation levels, 3 :High 2 : Medium 1 :Low

The faculty members and students are made aware of the course objective and course outcome which is indicated in the curriculum framed by the Anna University Website as well as in the Institution website.

The PEOs, POs, PSO and COs are frequently discussed in the class room sessions, class committee meetings and also in Faculty advisor meeting.

Hard Copy of syllabi and Learning Outcomes are available in the departments forready reference to the teachers and students

The COs are displayed on Course Plan, College website in Syllabus page.

Programme Outcomes(POs) By the time of graduation , graduates will attain the programme outcomes.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for Additional information	http://avccengg.net/academic/images/AOI.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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

Each course is defined with a set of course outcomes describing what the students are expected to know after learning each course.

1. **As per university regulation norms two CIA tests and one model exam is conducted per semester for 100 marks. Each question is mapped to some prescribed COs. A table is made in the answer sheet indicating the marks scored by each student of the class against each question and also against each CO addressed by the test.**
2. **Based on the marks obtained in the Internal tests, class tests, assignments and University examinations(UE), the CO attainment computation is performed. For each CO, the number of students who scored more than the target level is computed in 3 degree scale. The set attainment levels are then verified.**
3. **The set target levels of COs are compared, and targets are set for next academic year.**
4. **The average value of the CO levels of each course are then used for mapping the PO attainments, using the array of target PO values for the course.**
5. **The internal assessment tests are uploaded in the University web portals before the due dates.**

Programme Outcomes (POs) and Programme Specific Outcomes (PSOs) are calculated in two ways as,

(i) Direct attainment is measured based on the performance of the students in the internal assessments conducted by the

Institute and external assessments conducted by the University

(ii) Indirect attainment is measured based on various surveys such as Alumni survey, Graduate Exit survey and Employer survey

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	http://avccengg.net/academic/images/copoatt.pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

407

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View File](#)
Upload any additional information	**No File Uploaded**
Paste link for the annual report	**Nil**

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)

http://avccengg.net/academic/images/Grad%20survey%20new.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

2426000

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

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

3.1.2.1 - Number of teachers recognized as research guides

12

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

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

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

4

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	**No File Uploaded**
Supporting document from Funding Agency	View File
Paste link to funding agency website	http://avccengg.net/research/fund.php

3.2 - Innovation Ecosystem

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

The institution creates a conductive environment for the promotion of innovation, entrepreneurship, and intellectual Property Rights. All the required resources are provided to students along with proper guidance. Students are advised to take an active role in solving societal problems by using the latest Science and technology. The required resources and support is being provided for innovative product developments, Publications, Patents, participation in Hackathons and various competitions. Research& Development Cell, Entrepreneurship Development cell, Innovation Council, Unnat Bharat Abhiyan Scheme and IPR Cell are moulding the students to become a successful innovator for solving various societal problems and to become an entrepreneur.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.avccengg.net/activities/pindex.php

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

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

41

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

3.3 - Research Publications and Awards

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

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

5

File Description	Documents
URL to the research page on HEI website	http://avccengg.net/research/intro.php
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	No File Uploaded

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

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

54

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

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

42

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

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

The college organizes a number of extension activities to promote institute-neighbourhood community to sensitize the

students towards community needs. The students of our college actively participate in social service activities leading to their overall development. The college runs effectively National Service Scheme and National Cadet Corps. Through these units, the college undertakes various extension activities in the neighbourhood community. NSS organizes a seven day camp in nearby adopted village and several activities were carried out by NSS volunteers addressing social issues which include cleanliness ,tree plantation ,water conservation , Environmental awareness, Women empowerment, National Integrity, Aids awareness, Blood donation camp, Health check up camp, Veterinary guidance All these mentioned activities have positive impact on the students and it developed student community relationship, leadership skill and self confidence of students. It also helped in cultivating hidden personality of students and created awareness among students.

File Description	Documents
Paste link for additional information	http://avccengg.net/activities/nss/nssintro.php
Upload any additional information	View File

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

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

04

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

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

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

27

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

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

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

350

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

3.5 - Collaboration

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

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

150

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

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

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

10

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution has policies to create infrastructure as per the standards and norms of AICTE / Anna University.

The policy followed is:

To construct class rooms and laboratories as per prescribed floor area and provide LCD wherever necessary. To establish labs with equipments as per syllabus. To provide sufficient number of seminar rooms with LCD. To provide well ventilated and furnished library.

To provide browsing centre for students beyond working hours.

The institution has a sprawling campus spread over 30.09 acres with modern buildings, technology enabled class rooms, well stocked library, seminar halls, drawing halls, well equipped laboratories, Workshops, Staff Rooms, Administrative block

The Institution has sufficient number of well-furnished, well ventilated, spacious 43 classrooms with 35 LCD projector facility and 14 tutorial halls for conducting theory classes with an area more than the required norms.

Totally 59 laboratories are well equipped and well maintained for both syllabus oriented practical and research oriented activities. Facilities provided for beyond the syllabus also.

The institution has several air-conditioned computer laboratories and a seminar hall with a seating capacity of 300. Six additional seminar halls of 120 seating capacities each equipped with LCD projector and audio systems are also available.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	Nil

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

Facilities for Sports Activities AVC College of Engineering have been imparting not only the quality education but also providing opportunities to build up a healthy body. The students are coached in both indoor and outdoor games. The Sports facilities are available on campus to promote students interest in sports activities. Our College has a playground of 2 acres with 400m international standard track with a gallery. Apart from outdoor games the college has made provision for indoor games such as table tennis, carom, chess and badminton. College has a well equipped gymnasium with facilities such as machine exercises, free weight exercises and a separate hall for yoga and meditation. College has an International Standard multipurpose indoor stadium. Our college is conducting intramural games and sports event every academic year. Healthy competitions prevailed among the students to participate in this event. Students from various departments are grouped under four houses and each

department has the staff and students coordinator to assist and organize the various competitions.

Encourages the students to take part in the Anna University Zonal and Inter Zonal Tournament. The department is quite active in organizing Anna University Zonal games Tournaments every year. The College gives equal importance to sports as well as cultural activities. Students participate in various inter and intra college cultural.

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

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

53

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

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

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

24.08800

File Description	Documents
Upload any additional information	**No File Uploaded**
Upload audited utilization statements	[View File](#)
Upload Details of budget allocation, excluding salary during the year (Data Template	[View File](#)

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

An Integrated Library Management System (ILMS) is an automated package of library services that contains several functions, which is used in our Library. These functions usually include circulation, acquisition and cataloguing etc. Library functions such as Acquisition, Cataloging, Circulation, Serials control are automated using the software "AUTOLIB"5.1. This software is fully integrated with multi user facility .Computers in the library are connected through the LAN for information access as well as Library management. Online Public Access Catalogue (OPAC) allows students to browse a book by author, title or subject wise. Barcode based circulation of books is practised. All Students and Faculty can access all electronic journals and e-books from any system in the campus. For public access in Library our Library has 20 systems and two printers with reprographic and scanning facility. The College is having membership of SPRINGER, DELNET, NDLI, DELNET – ProQuest. Our Library is secured with Fire & Smoke Detectors and CCTV surveillance. Pest control treatment is also given quarterly once every year.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	**Nil**

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

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	[View File](#)
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	[View File](#)

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

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

5.15

File Description	Documents
Any additional information	**No File Uploaded**
Audited statements of accounts	[View File](#)
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	[View File](#)

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

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

51

File Description	Documents
Any additional information	[View File](#)
Details of library usage by teachers and students	[View File](#)

4.3 - IT Infrastructure

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

The college is having its own system maintenance wing for maintaining and updating the IT infra structure. All the academic and administrative IT infrastructure requirements given by the Head of the Departments are addressed by this team. The College regularly upgrades both software and hardware facilities

as per academic requirement given by the Heads of the department. At present we are having 300 MBPS internet connectivity with wi-fi connections, 560 systems, 54 Printers, 7 scanners, 28 UPS and 35 LCD projectors. Every department has dedicated computer lab. In addition to these labs, common computing centre with 60 higher configuration machines are available. All the systems available in the college are connected and are provided with Internet facility via LAN with 1 GBPS speed.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	**Nil**

4.3.2 - Number of Computers

560

File Description	Documents
Upload any additional information	**No File Uploaded**
List of Computers	[View File](#)

4.3.3 - Bandwidth of internet connection in the Institution

A. ? 50MBPS

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

4.4 - Maintenance of Campus Infrastructure

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

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

104.82

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

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

Purchase:

Every year, funds are allocated towards the purchase of materials and equipments based on the Annual Budget prepared and approved by the Judge Administrator considering the requirements of all the academic departments, maintaining physical infrastructure and supporting facilities.Regarding purchase of materials and equipment requisition letter will be submitted by the Department head concerned after verification by the Dean, Director and the Principal, the same is submitted to the Judge Administrator for approval. Atleast three competitive quotations will be obtained from vendors and suppliers. Comparative statement is prepared with the competitive quotations and lowest bidder is recommended to the Judge Administrator for supplying the materials without compromising the quality. After obtaining the approval from the Judge Administrator, purchase order is placed and after the receipt of materials in good condition, payment will be made by way of cheque to the suppliers. By following the above procedure, laboratory equipments, chemicals, Library books, sports materials, computer, and stationary articles are purchased. All the purchased items have been entered in the Department stock register and the utilization of the above materials are also monitored. The Department Heads are entitled to purchase small items required for contingent expenses from their contingent amount.

Maintenance:

The college buildings and infrastructure are maintained by the Civil Department. All the Electrical Maintenance works are carried out by the Electrical Maintenance wing. The computer and UPS are maintained separately by the System Maintenance wing.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	http://avccengg.net/administrative/staff.php

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

1062

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	**No File Uploaded**
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

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

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

6

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

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	**Nil**
Any additional information	**No File Uploaded**
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

184

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

184

File Description	Documents
Any additional information	**No File Uploaded**
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student

A. All of the above

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

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

183

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

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

5.2.2.1 - Number of outgoing student progression to higher education

8

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

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

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

1

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

5.3 - Student Participation and Activities

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

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

4

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

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

Response:

As per the regulation of Anna University, every class has a class committee (like a Quality Circle) consisting of teachers of the class concerned, student representatives and a chair person who is not teaching faculty of the class. At least 4 students representative (usually 2 boys and 2 girls, among from 2, one hosteller and one day scholar) have been elected for this class committee. A minimum of three or four class committee meetings have been conducted in a semester at regular intervals. During these meeting the student members representing the entire class have expressed the opinions and suggestions of the other students of the class in order to improve the effectiveness of the Teaching Learning Process.

The college has various academic and administrative bodies that have student representation in these. This representation helps them for their overall development. These bodies create more avenues for students to develop technical skills, updating knowledge on the state of art subjects, personality development and service to society through the following bodies. There are staff advisors to guide the students for the smooth and efficient conduct of these activities.

File Description	Documents
Paste link for additional information	http://www.avccengg.net/activities/iqac/intro.php
Upload any additional information	View File

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

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

32

File Description	Documents
Report of the event	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

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

Response:

The Institution is having alumni association around 10,036 students as active mebers. Every Year alumni meeting is conducted on third week of december to discuss about various types of contributuion to the institution. The following activities are conducted through Alumni Assoiciation :

- **Invited Talks**
- **Guest Lectures**

Alumni interact with the respective HoDs and give them information regarding current trends and practices in the

industries in which they work, so that suitable improvements in the infrastructure facilities can be made in the institution. Alumni also interact with the final year students and guide them in preparing for campus interviews in core and IT companies. Alumni help in arranging seminars in key areas. Alumni are also involved in guiding certain final year projects.

They help the department to identify the industries for students to undergo in plant training. Interactive sessions in providing guidance regarding higher studies, competitive exams and placement for juniors.

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

5.4.2 - Alumni contribution during the year (INR in Lakhs)   E. <1Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Vision

To blossom into a cynosure of technological innovations.

Mission

To participate in the noble cause of nation building by offering professional education, research and training in engineering and technology especially to the rural based Students.

The vision and mission statement of A.V.C. College of Engineering have been formed based on views collected from stack holders. It is tuned further from regular interaction with stack holders of the Institution and review meetings with governing

council members, meeting with head of departments, faculty, parents and students through class committee meeting. The college having an organizational chart.

The AVC Institutions are administered by the Judge Administrator. Principal is the head of the institution. The Director takes up responsibilities of non academic maters. Vice Principal will assist in the Hostel Administration, System Maintenance and Transports.

Various committees are formed for decentralization and participative management.

1. Anti Ragging Committee
2. Grievance Redressal Committee
3. Class Committee
4. Professional Society Chapters

Students representatives are members in those committees and the contribution will improve feedback of institution.

Similarly faculty members are members in following committees.

1. Coverning Council

2. Anti Ragging Committee

3. Sexual harassment and Redressal Committee

4. Professional Society Chapters

This involvement will improve in the field of academics and empowerment of women.

File Description	Documents
Paste link for additional information	http://www.avccengg.net
Upload any additional information	View File

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

Effective leadership by setting values and participative decision- making process is the key not only to achieve the vision, mission and goals of the institution but also in building the organizational culture. The formal and informal arrangements in the institution to co-ordinate the academic and administrative planning and implementation reflects the institutions efforts in achieving its vision.

The Principal is the Chief Executive responsible for providing direction, leadership and for the day to day functioning of the Institute and the Vice Principal is the functional head responsible for the conduct of academic programs and processes within the broad framework of its Mission, Vision, strategic objectives and goals also the guidelines issued by the statutory bodies from time to time. Within this overall framework, faculty members have the professional operational autonomy in conducting their teaching, research, training and consultancy apart from introducing new courses of relevance.

The department heads have both academic and functional autonomy. HoDs and Principal are given contingency amount by the institution so that they can use it for any incidental expenses in their department/institute and is replenished. For major decisions like AICTE, Anna University, NAAC, NBA, NIRF, ISO, etc., related tasks are usually taken after discussion and approval of the Administrator.

File Description	Documents
Paste link for additional information	http://avccengg.net/academic/images/OC.pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Curriculum Development

Since the Institution is an affiliated under Anna University, the curriculum and syllabi of the affiliated University have been adapted.

• As part of curriculum development, students are encouraged to

perform mini projects and working models. In-house exhibitions are arranged in order to provide a platform for students to exhibit their technical knowledge.

• "Learning through Practice" is being insisted and implemented with the aid of hands-on workshops.

• Students are encouraged to utilize the open source software framework with their respective domain for solving their curricular exercise.

Teaching and Learning

Course plans are prepared for every semester by the faculty member of concern and verified by the head of the department at different stages in accordance with syllabus and scheme of examination given by University. Besides, the well standard course material prepared by the faculty members also strengthens teaching- learning process.

• The teaching and learning process is also reviewed by the head of the department and the feedback is communicated to the faculty members of concerned.

• The Class Committee is constituted for each semester as per the norms of affiliated University. It comprises a Chairman (who doesn't handle any course to the class), faculty advisors and 4 to 5 student's nominees. Regular class committee meeting has been conducted to record the grievance about teaching learning process.

• Faculty members have been encouraged to attend Faculty Development Programs, seminars and workshops for gaining strong knowledge in their field.

File Description	Documents
Strategic Plan and deployment documents on the website	**No File Uploaded**
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

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

Principal and College Administrative Committees:

Principal as a head of the teaching - learning process pays special attention for smooth functioning of academic activities. Heads of the all departments and Principal Office helps him in this matter. Director is the head of the Administration for administrative related internal works. The principal forms various committees for monitoring and facilitating several activities organized in the college, i.e. IQAC, Anti Ragging Committee, Women Development Cell, NSS, Red Ribbon club, Grievance Redressal Cell, SC,ST Committee, Discipline Committee, etc.

Service Rules, Procedures, and Recruitment

The institute follows the rules and regulations of the AICTE and Anna University for the recruitment and grievance redressal. Besides, the institute has its separate internal mechanism for redressal of the grievances.

The promotional policy of the institute is transparent and impartial. The staff selection committee will review and recommend the deserved and eligible staff for promotion depending upon the available vacancy to the administrator for approval.

Grievance Redressal Committee:

The college has formed a Grievance Redressal Committee for faculty, Staff and students to address their complaints and grievances to resolve them. The Principal is the Convener of the Committee and members of the cell to deal with the issues.

Internal Complaint Committee (ICC) / Prevention of Sexual Harassment Committee (POSH):

The Committee is formed with Convener and Members to receive the complaints of Sexual Harassment if any and deal with the complaints to take the corrective actions.

File Description	Documents
Paste link for additional information	**Nil**
Link to Organogram of the institution webpage	http://avccengg.net/academic/images/OC.pdf
Upload any additional information	View File

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning)Document	**No File Uploaded**
Screen shots of user inter faces	View File
Any additional information	**No File Uploaded**
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

Equal opportunities are given for both genders in curricular and co-curricular activities. In all the events conducted in the institution, gender equity is ensured, our Smart India Hackathon teams constituted both boys and girls. Grievence redressal cell and Women empowerment cell are functioning in the campus. Anti-ragging committee ensures safety and security to girls students.

This institution has a strong ethical work culture that is based on inclusivity. It observes highest ethical standards in all its activities. Equal opportunities are provided to all individuals irrespective of gender, race, caste, color, creed, language, religion, political or other opinion, national or social origin, property, birth or other status. Its unique work culture, healthy traditions and ethos have led to enrolment of 68% women students and 60% women staff. Safety, security and well-being,

along with gender equity and friendly working atmosphere are the issues of prime concern to AVCCE. Gender sensitivity is an inherent value in the cultural ethos of the institute and its neighboring community, is evident by the following facility-

(a)Safety and Security

• Well-trained and vigilant women security guards stationed across the campus.

• Security checkpoints at entry and exit.

• Extensive surveillance network with 24x7 monitored control rooms.

• Rotational duty by all faculty members for discipline and security.

• Strict implementation of Anti-Ragging and Anti-Smoking campus.

• The Institute is the preferred destination of parents for education of their female wards as evidenced by the Stakeholder Feedback.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	<u>View File</u>

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

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

3

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

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

7

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

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

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

60

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

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

After completion of one year service an appraisal will be conducted by appraisal committee, Principal ,Director ,Dean and Department Head concerned. Accordingly the Faculty's member's last one year performance is reviewed through self-appraisal and student's feedback. The Committee also reviews the student's Log book, Result performance (subject wise) and also Special classes conducted for poor students, books published by the faculty member, FDP, workshop and seminars attended by the faculty. Appraisal is conducted for Non-Teaching staff members for every year through self-appraisal by the concerned Department heads and principal.

File Description	Documents
Paste link for additional information	http://avccengg.net/academic/images/FA.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

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

The institute has Charted Accountant for verifying the internal documents every year. Honorable Administrator will approve the funds every year for purchase equipment's and various activities. At the end of the financial year, account details

are verified. External Auditor will visit and check the documents as per the Government norms.

File Description	Documents
Paste link for additional information	http://avccengg.net/academic/images/202122.pdf
Upload any additional information	View File

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

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

1.5

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

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

Mobilisation of Funds:

1.Tuition Fees collected from the students including PMSS Course Fee amount sanctioned by the Govt. for SC/ST Students.

2.Interest amount accrued from Saving Bank Account.

3.Interest amount accrued from the Fixed Deposit of the Institution

4.Interest accrued from Caution Deposit amount collected from the students.

5.Amount donated by various donors. 6.Interest accrued from the Endowment Deposit.

7.Amount received from the disposal of e-waste, used papers and condemned articles.

8.Consultancy fees received from Mechanical Engineering and Civil departments.

9.Funds generated from Farm house – Sale of coconuts and Vegetables.

10.Miscellaneous income from Exam application processing fee

11.Amount collected through issuing of Bonafide Certificates. The mobilised funds are effectively utilised in the following heads 1.Human Resources – Staff and Faculty Salary, incentive and their welfare measures.

12.Physical or infrastructure Resources – Buildings, Equipments , Computer

13.Natural resources – Green cover and Landscape Management

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

6.5 - Internal Quality Assurance System

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

The Institute IQAC contribution:

(a)Annual Quality Assurance Report (AQAR)

(b)Self-Study Reports of various accreditation bodies

(c) Stakeholder's feedback

(d)Action Taken Reports

(e) Improvement in quality of teaching and research by regular inputs to all concerned based on feedback from students.

(f) Providing inputs for Academic and Administrative Audit and

analysis of results for improvement in areas found weak.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	[View File](#)

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

The improvements based on feedback implemented are:

IQAC periodically reviews the teaching-learning process, structures & methodologies of operations,and learning outcomes: The standard methods of teaching, learning and evaluation which are proven over the years are being followed.

Academic Calendar:

Based on the University Academic Calendar the Institute schedules the academic calendar well in advance at the start of the year with ample time frame for not only the regular teaching-learning process but also to accommodate the various events like seminar/ guest lecture/

Preparation of course plan for each Semester:

The course plan is prepared by the faculty members for all the subjects they teach in that particular semester. Enriching the curriculum with guest lectures, industrial visits and Internships

Evaluation of faculty by students:

The institution has a feedback system to evaluate the faculty by students. The regular evaluation of the faculty by the students, feedback on teaching methodologies, course delivery, attitude, strengths and weaknesses, difficulties faced in the subject give a clear idea about the problems faced by the students.

Student learning outcomes:

The institute monitors the performance of the students regularly. Ithas specified procedure to collect and analyse data on student learning outcomes; the following points are adopted by the institute in this context:

- Regular class tests and interactions
- Continuous Internal Assessment comprising of internal tests, assignments and seminar presentations.
- Providing Question bank of various subjects to the students.
- Providing Lecture notes through an online portal
- Extra classes for weak students to solve their problems.

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

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

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	http://avccengg.net/academic/images/annual.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Equal opportunities are given for both genders in curricular and co-curricular activities. In all the events conducted in the institution, gender equity is ensured. Our Smart India Hackathon teams constituted both boys and girls. Grievance redressal cell and Women empowerment cell are functioning in the campus. Online Grievance Redressal Cell is also available in the college website. Anti-ragging committee and Anti-ragging squad ensure safety and security to girls students. Also a PoSH cell to prevent sexual harassment is actively functioning. The campus also incorporates Girls waiting hall with necessary amenities such as furniture, resting benches, sanitary napkin machine, proper ventilation, sinks, lighting etc. Fire safety equipments are also installed. Women empowerment cell operating in the campus celebrates Women's day every year and organises "Invited talks" for the welfare of girl students and women staff members. Various events and competitions are conducted for girl students and women faculty members and prizes are distributed. Women Housekeeping staff are also honoured on women's day.

File Description	Documents
Annual gender sensitization action plan	**Nil**
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	http://avccengg.net/womenhelpline.php

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

A. 4 or All of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	**No File Uploaded**

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

The campus have adequate waste disposal and waste collection centers. Dustbins for collecting solid waste and wet waste were placed in each building of the campus. The liquid waste are collected separately & disposed periodically. Our college has been promoting digital note taking, reading and email correspondence for reducing paper wastage. E-wastes such as non-working and discarded electrical and electronic devices (computers, telecommunication devices, electrical appliances) are collected periodically and sent for resale or recycled. A Bio gas plant (10 m 3) is established to generate gas for cooking with the help of waste food and other degradable waste. Eco club is functioning in our college & taking care of environmental issues and to maintain gardens and well being in hygienic manner periodically.

A Bio Mass Gasifier (AICTE Fund 25 Lakhs) to convert bio mass (garden waste, paper waste and refuse) in to fuel gas by means of thermal root is available at our institution.

College has installed disposable napkin machine for Girl students & Lady faculty members.

There are 9 bore wells in our campus, 4 RO plants with a capacity of 1000 / hour for drinking. The backlash of the RO Plants is used for garden and toilet cleaning. Rainwater harvesting units are placed separately for each building to conserve water. Automatic overflow controllers and automated irrigation control system for garden using multiple sensor networks are installed. Water recycling system is also available in the campus.

.

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

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

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded

7.1.5 - Green campus initiatives include

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

A. Any 4 or All of the above

1. **Restricted entry of automobiles**
2. **Use of bicycles/ Battery-powered vehicles**
3. **Pedestrian-friendly pathways**
4. **Ban on use of plastic**

5. Landscaping

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

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

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit   3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

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

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment   5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material,

A. Any 4 or all of the above

screen   reading

File Description	Documents
Geo tagged photographs / videos of the facilities	<u>View File</u>
Policy documents and information brochures on the support to be provided	**No File Uploaded**
Details of the Software procured for providing the assistance	**No File Uploaded**
Any other relevant information	**No File Uploaded**

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

The Institution has been taking all efforts to offer an inclusive environment in various aspects. During various celebrations in the institution, cultural events are planned and conducted in such a way that various regions, languages and their cultures are reflected. All religion students are given equal opportunities in academic, co-curricular and extra-curricular activities. Proper measures are taken to ensure full co-ordination in all aspects apart from diversities. The institution is serving rural students, students with poor economic backgrounds. Students of various communities are admitted in the institution without any discrimination. The religious habits followed by minority students are permitted in view of assuring due respect to everyone's beliefs.

Our Institute has won the Green Champion consecutively for past two years from both Central and State governments, also a cash prize of Rs One Lakh both time.

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

7.1.9 - Sensitization of students and employees of the Institution to the constitutional

obligations: values, rights, duties and responsibilities of citizens

In order to enrich the moral values, rights and duties among students and staffs with respect to abiding by the constitution, various measures were taken by the Institution. Lectures were arranged with regard to road safety measures to be adopted, Election voting awareness, Being Honest and Resistant to corruption and other such programmes. With respect to Professional ethics, as it incorporates the personal standards and working culture expected from professionals, there is a need to equip the students in ethical behaviours. Realizing its importance, various seminars and lectures were conducted to inculcate the importance of following ethics in learning and working environment. Students Induction Programme-22 (SIP) organized by Department of Science and Humanities,for 10 days in total. All the sessions/programmes were conducted commonly for all the first year B.E/B.Tech students. Universal Human Values, Motivational talks, University Rules and Regulations, Communication Games, Talent Serach and various topics for the overall development of students will be taken up which gives a gateway for the students in the Engineering education.

Faculty members were permitted to participate in faculty development programmes on Professional ethics and knowledge sharing sessions were organised in which the faculties share the insights gained to other staffs and student community

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

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

A. All of the above

Annual awareness programmes on Code of Conduct are organized

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

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

The Institution has celebrated the following commemorative days/events/festivals:

International Women's Day on March 8th of every year is celebrated. There is a dedicated Women's Empowerment Cell which organises Women's day celebration in the institution. Special guests (Women with special achievements) were invited and honoured. Girl students were inspired by their motivational speeches. Events/games were arranged for girl students and women faculty members, Women faculty members were assigned to judge various events and prizes distributed on the day.

National Engineer's Day on September 15 is celebrated in the Institution in honour of Bharat Ratna Visvesvaraya.

International Yoga Day on June 21 is celebrated in the institution. On this day, special yoga sessions are planned and organised by the dedicated team in the PEKAK hall and staffs learn and practice yoga exercises. In this year 2020, despite of COVID period, Yoga webinar was arranged by the Institution and staffs took part of it and benefited.

Pongal Day celebrations take place every year in the month of January. Students enthusiastically cook pongal in separate groups which will be a colourful event to watch. Cultural events such as traditional village dance forms will be performed by

students such as karagam dance, folk dance etc.,

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

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

1. Title of the Practice: Green is the way to go

2. Objectives of the Practice: To create environment consciousness Maintain biodiversity Tree plantation Use of renewable energy Effective waste management

3. The Practice: There are 8 000 valuable trees in the campus with 500 saplings belonging to different species of Medicinal plants Planting of trees is a continuous process and on each environmental day, national festivals and whenever VIP guests visit the campus, new plants are being added. Water Harvesting • Rain water harvesting is implemented for the college Campus. • Storage tanks are created at various places for recharge of ground water.

As a result Our Institute has won the Green Champion consecutively for past two years from both Central and State governments, also a cash prize of Rs One Lakh each time.

File Description	Documents
Best practices in the Institutional website	http://avccengg.net/academic/images/bestpractice.pdf
Any other relevant information	**Nil**

7.3 - Institutional Distinctiveness

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

Performance of the Institution Imparting Confidence in Rural Students by Improving their Communication Skills -IIT spoken Tutorial Classes Objectives of the Practice: To make all students and faculties aware about the videos designed by IIT-B professors and get all concepts clear for a particular software and achieve a certificate after gaining thorough knowledge of that subject The Context: The Spoken Tutorial project is the initiative of the 'Talk to a Teacher' activity of the National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India. All audio video developed by IITBombay for MHRD, Government of India. The Spoken Tutorial Project is about teaching and learning a particular Free and Open Source Software (FOSS) via easy Videos designed by IITB professors. The idea of designing these videos of various subjects is to spread the knowledge and to encourage self-learning in different languages like Linux-Ubuntu, C, C++, Java, Scilab, PHP, MySQL, Python. In our campus, the organiser of spoken tutorial provides induction to first year students. It is regarding the spoken tutorial site, how to download the videos, how much time it requires to get proficiency in a particular subject and when online exam for that subject will be organized and on successful completion of online exam how to download a certificate from that website. Our college signed MoU with spoken tutorial, IIT, Bombay On 06.03.2016 and our college is recognized as a nodal resource sub center.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

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

Regulation and the Curriculum are framed by the Anna University, Chennai for all the affiliated institutions. The syllabi and regulations are changed once in four years. Based on the curriculum, course plan for each subject is prepared by the subject staff and the subject is being taught to the students. The curriculum is framed in such a way that 30/45/60/75 periods for theoretical and practical subjects for 2017 and 2021 Regulation. An Academic Handbook is prepared at the beginning of the academic year by the Institution for students and staff on reference about the working days and assessment schedule. The course file is an official record, a compilation of the planning and execution of teaching/learning activities carried out throughout a semester in an academic year for a particular subject. The course file consists of preface, previous year university question papers, notes, handouts, PPT, test/exam question papers, three model answer scripts for each test/exam (best, average and academically poor students), Assignment plan, topics and copy of assignment, feedback analysis report etc. The entire process is monitored by the Head of the Department concerned, Dean (Academics) and Principal through verification of records, class room observations, faculty evaluation, self-appraisal report, etc.,

File Description	Documents
Upload relevant supporting document	[View File](#)
Link for Additional information	http://avccengg.net/academic/images/CL.pdf

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

At the begining of every academic year based on the academic schedule given by the affliated university an academic calender for each semester is prepared which includes number

of working days ,examination and assessment schedule . The calendar is available in the college's website and notice board and also emailed to students. All classes and examinations are scheduled according to the calendar, ensuring strict conformity.Compliance of Continuous Internal Evaluation with Academic Calendar.

1. Classes and Lab time-table-The timetable is posted on the college portal and on the notice boards in every department.

2. Course files and Lecture Plans- The course file is subjected to the approval of the principal.

3. Internal Exams- The academic calendar lists the dates of the Continuous Internal Assessments CIA I, CIA II and Model Exam for 2017 Regulation and CIA I and CIA IIfor 2021 Regulation.

4. Internal Exam Question Papers- Internal exam question papers are created by faculty concerned and approved by the department head.

5. Evaluation of examination sheets- Each department's answer sheets are cross-checked by the HoD to ensure a transparent and unbiased evaluation.

6. Assignments and Quizzes

7. University Exams

8. Student feedback

9. Academic Monitoring

10. Amendments

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	http://avccengg.net/calendar.php

| 1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and | B. Any 3 of the above |

assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

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

1.2 - Academic Flexibility

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

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

12

File Description	Documents
Any additional information	View File
Minutes of relevant Academic Council/ BOS meetings	**No File Uploaded**
Institutional data in prescribed format (Data Template)	View File

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

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

21

File Description	Documents
Any additional information	[View File](#)
Brochure or any other document relating to Add on /Certificate programs	[View File](#)
List of Add on /Certificate programs (Data Template)	[View File](#)

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

845

File Description	Documents
Any additional information	**No File Uploaded**
Details of the students enrolled in Subjects related to certificate/Add-on programs	[View File](#)

1.3 - Curriculum Enrichment

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

Our institution incorporates cross-cutting societal themes such as Moral Values, Human Values, Professional Ethics, Ethical Values, Gender Equality, and Environmental Awareness into our curriculum. Important parts of the curriculum include the compulsory topic "Environmental Science and Engineering" in the second year and the open elective course "Professional Ethics in Engineering" in the final year.These topics give a free environment for students to instill ideals and acquire ethical competence. Days of national and international significance, such as Republic Day, Women's Day, Independence Day, Teacher's Day, and International Yoga Day, are commemorated at the college. CCTV and high-level security are in place on the college campus. To provide a safe atmosphere for all students, there is a separate Boys and Girls hostels (on-campus). Environmental Science and Engineering is prescribed by Anna University in order to raise environmental awareness and enhance the value of the environment among students. The primary goal of this course is to raise student awareness of the importance of ecosystems to human survival. The college has an integrated rain water harvesting System. The waste water is reused for gardening in

the college campus.

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

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

355

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

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

680

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

1.4 - Feedback System	
1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders Students Teachers Employers Alumni	A. All of the above

File Description	Documents
URL for stakeholder feedback report	Nil
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	No File Uploaded

1.4.2 - Feedback process of the Institution may be classified as follows	A. Feedback collected, analyzed and action taken and feedback available on website

File Description	Documents
Upload any additional information	View File
URL for feedback report	http://avccengg.net/academic/images/feedback.pdf

TEACHING-LEARNING AND EVALUATION
2.1 - Student Enrollment and Profile
2.1.1 - Enrolment Number Number of students admitted during the year
2.1.1.1 - Number of students admitted during the year
347

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

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

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

209

File Description	Documents
Any additional information	**No File Uploaded**
Number of seats filled against seats reserved (Data Template)	[View File](#)

2.2 - Catering to Student Diversity

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

The students admitted in our college are coming from various economic sections and communities of the society .

The following steps are taken to assess advanced learners

1. Along with class participation during lectures, tutorials,class tests, assignments, presentations, and other interactions are regularly assessed to identify the advanced learners.

2. Students are encouraged to refer advanced textbooks, journals and for their advanced studies. Home assignment and projects are taken prepared from the Students.

3. Encouraged to enroll in MOOC Courses – Swayam,NPTEL courses,Project Competitions and participate in National and International conferences/ symposiums, seminars , Smart India Hackathan,exhibitions and cultural competitions.

4. Students, who secured Ranks in the University Examination, are honored with Medals on the Annual Day

5 Motivated to share the gained knowledge to the other students thereby improving the knowledge sharing capability.

Based on the university grades secured by the students and

CIA performance, identify the slow learners

1. Remedial Classes are conducted with an aim to improve the academic performance of the slow learners.This practice helps the struggling learners to improve subject knowledge

2. Mentor-mentee interaction keeps faculty in constant touch with students, irons out academic and personal issues, and stimulates overall personality development.

3. Providing simplified materials. Question Banks for all units and E- notes.

File Description	Documents
Paste link for additional information	http://www.avcinstitutions.net/material/
Upload any additional information	View File

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

Number of Students	Number of Teachers
1296	120

File Description	Documents
Any additional information	View File

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

Students are the most important stake holders of the Institute. At our Institute, all efforts are being taken to groom them as social engineers

Tutorials are conducted which include proactive teaching learning methods. Multimedia teaching aids like animated videos, demo videos,P PT's are corporated in the day-to-day teaching process enhance the students understanding of the subject.

Guest lectures by experts from the industry and add-on

courses are organized by the respective departments, to cover content beyond syllabus.

Language laboratory has been established for students to improve their English proficiency.

Soft skills training slots are incorporated in the weekly timetable, where experts, guided the students regarding presentation and communication skills.

Industrial visits and technical courses are arranged throughout the year to give hands-on experience to students.

Wi-Fi facility is available in the campus to allow students to access technical resources.

Being a responsible technocrat, our college motivates students to be a part of social activities through NSS, NCC, cultural / technical events and sports activities which help them to develop their overall skills

The college central library is well equipped with technical magazines, journals and NPTEL lecture videos.

Laboratories with Internet Connection permit the students to widen their knowledge and skills.

Faculty members apply teaching methods such as group discussions, seminars/ student presentation for better understanding of concepts/ technologies.

The project reference can be availed through internet with online journals.Digital library facility is available .The institution is the member of NDLI.

File Description	Documents
Upload any additional information	[View File](#)
Link for additional information	Nil

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

It is taken care that quality of Teaching-Learning process in

the classroom is ensured. Standardized Course plans are followed for both theory and practical's verified by HoDs Dean and Principal. The following measures are adopted

The various ICT tools used in the campus are listed as follows

1. LCD Projectors- Available at all classrooms, Seminar hall and laboratories

2. Desktops - Available at department laboratories, HOD cabins.

3. Smart boards- Smart boards are installed at all the Smart classrooms in the campus

4. Access to MOOC platforms like NPTEL, Swayam etc.,

5. Youtube Channel hosting prominent lectures of the faculty and Media lab facility to create video lectures

6. Online availability of various journals in the intranet. Project-based learning is adopted for final and pre-final years

Google classroom is used to manage and post course related information such as lecture materials, assignments and internal assessment exams.

PowerPoint presentations are enabled with animations and simulations to improve the effectiveness of the teaching-learning process.

ICT allows the teacher to produce and modify resources quickly and easily. It helps teachers to design their lesson plans in an effective, creative and interesting approach that would result in students' active learning.

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

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

2.3.3.1 - Number of mentors

78

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

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

120

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

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

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

55

File Description	Documents
Any additional information	**No File Uploaded**
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

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

2.4.3.1 - Total experience of full-time teachers

1325

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

2.5 - Evaluation Process and Reforms

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

The college has a transparent and robust evaluation process in terms of frequency and variety. Anna University has created a centralized web portal for entry of internal marks for odd and even semester by the faculty to be viewed by the students with their user name and password at the end of the semester.

The university allots 80% marks for the end semester exams and 20% for internal assessment marks. The internal marks are based on the internal assessment tests conducted in the institution. Internal Assessment Marks, Attendance Percentage of the students are displayed in the student notice board.

The details regarding the Academic schedule planned by the Anna university and our Institution regarding internal assessment tests and model exam is displayed in the notice board and college academic calendar well in advance before the commencement of exams.

Continuous evaluation is made through Continuous Internal Assessment tests(CIA), Assignments, / Field Work, and Seminars Presentation as per the university regulation.

Based on the CIA, the internal marks (20 Marks) is calculated for every student and is entered in the university web portal. Once the entry is made at Anna University web portal, every student can login in to the portal and check their attendance and marks in the respective subjects. Earlier, the weekly attendance, CIA Marks and Internal Marks are displayed in the student's notice board of the respective departments for a period of three to five working days

File Description	Documents
Any additional information	[View File]()
Link for additional information	Nil

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

A complete transparency is maintained by the exam cell of our Institution during the internal assessment procedures as directed by the university. The internal assessment test schedules are prepared as per the university schedule and are communicated to the students well in advance.

Evaluation is done by the course-handling faculty members within three days from the date of examination. The corrected answer scripts at random are verified by the HOD to ensure the standard evaluation process. The corrected answer papers of the students are distributed to them for verification by the students and any grievance is redressed immediately. The marks obtained by the students in internal assessment tests are displayed on the department notice board and uploaded periodically on the university web portal along with their attendance. .

For the quality of the projects, the evaluation is done by Project Review Committee along with the project guides.

If a student is not able to appear for any Continuous Internal Assessment tests(CIA) due to medical or any genuine reason examination is conducted for that student as per norms, provided that he/she submits application with proper documents. Any student who is not satisfied with the assessment and award of marks may approach the concern HOD who can intervene and seek opinion of another course Teacher. The Institute follows open evaluation system where the student marks is displayed on the notice board and the same is informed to the parents.

File Description	Documents
Any additional information	[View File](#)
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

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

The Institution and the departments stated their PEOs, PSOs and POs. It is disseminated to all the students through college calendar, website, notice board etc., The course outcome includes specific knowledge, applications, areas of development, allied areas to think, etc., which the institution expect the students to learn in their course duration. The PO and CO attainment is measured as follows with corresponding correlation levels, 3 :High 2 : Medium 1 :Low

The faculty members and students are made aware of the course objective and course outcome which is indicated in the curriculum framed by the Anna University Website as well as in the Institution website.

The PEOs, POs, PSO and COs are frequently discussed in the class room sessions, class committee meetings and also in Faculty advisor meeting.

Hard Copy of syllabi and Learning Outcomes are available in the departments forready reference to the teachers and students

The COs are displayed on Course Plan, College website in Syllabus page.

Programme Outcomes(POs) By the time of graduation , graduates will attain the programme outcomes.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for Additional information	http://avccengg.net/academic/images/AOI.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

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

Each course is defined with a set of course outcomes describing what the students are expected to know after learning each course.

1. As per university regulation norms two CIA tests and one model exam is conducted per semester for 100 marks. Each question is mapped to some prescribed COs. A table is made in the answer sheet indicating the marks scored by each student of the class against each question and also against each CO addressed by the test.
2. Based on the marks obtained in the Internal tests, class tests, assignments and University examinations(UE), the CO attainment computation is performed. For each CO, the number of students who scored more than the target level is computed in 3 degree scale. The set attainment levels are then verified.
3. The set target levels of COs are compared, and targets are set for next academic year.
4. The average value of the CO levels of each course are then used for mapping the PO attainments, using the array of target PO values for the course.
5. The internal assessment tests are uploaded in the University web portals before the due dates.

Programme Outcomes (POs) and Programme Specific Outcomes

(PSOs) are calculated in two ways as,

(i) Direct attainment is measured based on the performance of the students in the internal assessments conducted by the Institute and external assessments conducted by the University

(ii) Indirect attainment is measured based on various surveys such as Alumni survey, Graduate Exit survey and Employer survey

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional information	http://avccengg.net/academic/images/copoatt.pdf

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

407

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View File](#)
Upload any additional information	**No File Uploaded**
Paste link for the annual report	**Nil**

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)

http://avccengg.net/academic/images/Grad%20survey%20new.pdf

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

2426000

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

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

3.1.2.1 - Number of teachers recognized as research guides

12

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

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

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

4

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	**No File Uploaded**
Supporting document from Funding Agency	View File
Paste link to funding agency website	http://avccengg.net/research/fund.php

3.2 - Innovation Ecosystem

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

The institution creates a conductive environment for the promotion of innovation, entrepreneurship, and intellectual Property Rights. All the required resources are provided to students along with proper guidance. Students are advised to take an active role in solving societal problems by using the latest Science and technology. The required resources and support is being provided for innovative product developments, Publications, Patents, participation in Hackathons and various competitions. Research& Development Cell, Entrepreneurship Development cell, Innovation Council, Unnat Bharat Abhiyan Scheme and IPR Cell are moulding the students to become a successful innovator for solving various societal problems and to become an entrepreneur.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	http://www.avccengg.net/activities/pindex.php

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

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

41

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

3.3 - Research Publications and Awards

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

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

5

File Description	Documents
URL to the research page on HEI website	http://avccengg.net/research/intro.php
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	No File Uploaded

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

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

54

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

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

3.3.3.1 - Total number of books and chapters in edited volumes/books published and

papers in national/ international conference proceedings year wise during year

42

File Description	Documents
Any additional information	**No File Uploaded**
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

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

The college organizes a number of extension activities to promote institute-neighbourhood community to sensitize the students towards community needs. The students of our college actively participate in social service activities leading to their overall development. The college runs effectively National Service Scheme and National Cadet Corps. Through these units, the college undertakes various extension activities in the neighbourhood community. NSS organizes a seven day camp in nearby adopted village and several activities were carried out by NSS volunteers addressing social issues which include cleanliness ,tree plantation ,water conservation , Environmental awareness, Women empowerment, National Integrity, Aids awareness, Blood donation camp, Health check up camp, Veterinary guidance All these mentioned activities have positive impact on the students and it developed student community relationship, leadership skill and self confidence of students. It also helped in cultivating hidden personality of students and created awareness among students.

File Description	Documents
Paste link for additional information	http://avccengg.net/activities/nss/nssintro.php
Upload any additional information	View File

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

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

`04`

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

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

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

`27`

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

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

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

`350`

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

3.5 - Collaboration

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

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

150

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

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

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

10

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

The institution has policies to create infrastructure as per the standards and norms of AICTE / Anna University.

The policy followed is:

To construct class rooms and laboratories as per prescribed floor area and provide LCD wherever necessary. To establish labs with equipments as per syllabus. To provide sufficient number of seminar rooms with LCD. To provide well ventilated and furnished library.

To provide browsing centre for students beyond working hours. The institution has a sprawling campus spread over 30.09 acres with modern buildings, technology enabled class rooms, well stocked library, seminar halls, drawing halls, well equipped laboratories, Workshops, Staff Rooms, Administrative block

The Institution has sufficient number of well-furnished, well ventilated, spacious 43 classrooms with 35 LCD projector facility and 14 tutorial halls for conducting theory classes with an area more than the required norms.

Totally 59 laboratories are well equipped and well maintained for both syllabus oriented practical and research oriented activities. Facilities provided for beyond the syllabus also.

The institution has several air-conditioned computer

laboratories and a seminar hall with a seating capacity of 300. Six additional seminar halls of 120 seating capacities each equipped with LCD projector and audio systems are also available.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for additional information	Nil

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

Facilities for Sports Activities AVC College of Engineering have been imparting not only the quality education but also providing opportunities to build up a healthy body. The students are coached in both indoor and outdoor games. The Sports facilities are available on campus to promote students interest in sports activities. Our College has a playground of 2 acres with 400m international standard track with a gallery. Apart from outdoor games the college has made provision for indoor games such as table tennis, carom, chess and badminton. College has a well equipped gymnasium with facilities such as machine exercises, free weight exercises and a separate hall for yoga and meditation. College has an International Standard multipurpose indoor stadium. Our college is conducting intramural games and sports event every academic year. Healthy competitions prevailed among the students to participate in this event. Students from various departments are grouped under four houses and each department has the staff and students coordinator to assist and organize the various competitions.

Encourages the students to take part in the Anna University Zonal and Inter Zonal Tournament. The department is quite active in organizing Anna University Zonal games Tournaments every year. The College gives equal importance to sports as well as cultural activities. Students participate in various inter and intra college cultural.

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

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

53

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

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

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

24.08800

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

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

An Integrated Library Management System (ILMS) is an

automated package of library services that contains several functions, which is used in our Library. These functions usually include circulation, acquisition and cataloguing etc. Library functions such as Acquisition, Cataloging, Circulation, Serials control are automated using the software "AUTOLIB"5.1. This software is fully integrated with multi user facility .Computers in the library are connected through the LAN for information access as well as Library management. Online Public Access Catalogue (OPAC) allows students to browse a book by author, title or subject wise. Barcode based circulation of books is practised. All Students and Faculty can access all electronic journals and e-books from any system in the campus. For public access in Library our Library has 20 systems and two printers with reprographic and scanning facility. The College is having membership of SPRINGER, DELNET, NDLI, DELNET – ProQuest. Our Library is secured with Fire & Smoke Detectors and CCTV surveillance. Pest control treatment is also given quarterly once every year.

File Description	Documents
Upload any additional information	[View File](#)
Paste link for Additional Information	Nil

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

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	[View File](#)
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	[View File](#)

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

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

5.15

File Description	Documents
Any additional information	**No File Uploaded**
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

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

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

51

File Description	Documents
Any additional information	View File
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

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

The college is having its own system maintenance wing for maintaining and updating the IT infra structure. All the academic and administrative IT infrastructure requirements given by the Head of the Departments are addressed by this team. The College regularly upgrades both software and hardware facilities as per academic requirement given by the Heads of the department. At present we are having 300 MBPS internet connectivity with wi-fi connections, 560 systems, 54 Printers, 7 scanners, 28 UPS and 35 LCD projectors. Every department has dedicated computer lab. In addition to these labs, common computing centre with 60 higher configuration machines are available. All the systems available in the college are connected and are provided with Internet facility via LAN with 1 GBPS speed.

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

4.3.2 - Number of Computers

560

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

4.3.3 - Bandwidth of internet connection in the Institution	**A. ? 50MBPS**

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

4.4 - Maintenance of Campus Infrastructure

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

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

104.82

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

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

Purchase:

Every year, funds are allocated towards the purchase of materials and equipments based on the Annual Budget prepared and approved by the Judge Administrator considering the requirements of all the academic departments, maintaining physical infrastructure and supporting facilities.Regarding purchase of materials and equipment requisition letter will be submitted by the Department head concerned after verification by the Dean, Director and the Principal, the same is submitted to the Judge Administrator for approval. Atleast three competitive quotations will be obtained from vendors and suppliers. Comparative statement is prepared with the competitive quotations and lowest bidder is recommended to the Judge Administrator for supplying the materials without compromising the quality. After obtaining the approval from the Judge Administrator, purchase order is placed and after the receipt of materials in good condition, payment will be made by way of cheque to the suppliers. By following the above procedure, laboratory equipments, chemicals, Library books, sports materials, computer, and stationary articles are purchased. All the purchased items have been entered in the Department stock register and the utilization of the above materials are also monitored. The Department Heads are entitled to purchase small items required for contingent expenses from their contingent amount.

Maintenance:

The college buildings and infrastructure are maintained by the Civil Department. All the Electrical Maintenance works are carried out by the Electrical Maintenance wing. The computer and UPS are maintained separately by the System Maintenance wing.

File Description	Documents
Upload any additional information	**No File Uploaded**
Paste link for additional information	http://avccengg.net/administrative/staff.php

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

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

1062

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	**No File Uploaded**
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

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

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

6

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

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	**Nil**
Any additional information	**No File Uploaded**
Details of capability building and skills enhancement initiatives (Data Template)	View File

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

184

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

184

File Description	Documents
Any additional information	**No File Uploaded**
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student

A. All of the above

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

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	**No File Uploaded**

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

183

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	**No File Uploaded**
Details of student placement during the year (Data Template)	View File

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

5.2.2.1 - Number of outgoing student progression to higher education

8

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

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

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

1

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

5.3 - Student Participation and Activities

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

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

4

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

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

Response:

As per the regulation of Anna University, every class has a class committee (like a Quality Circle) consisting of teachers of the class concerned, student representatives and a chair person who is not teaching faculty of the class. At least 4 students representative (usually 2 boys and 2 girls, among from 2, one hosteller and one day scholar) have been elected for this class committee. A minimum of three or four class committee meetings have been conducted in a semester at regular intervals. During these meeting the student members representing the entire class have expressed the opinions and suggestions of the other students of the class in order to improve the effectiveness of the Teaching Learning Process.

The college has various academic and administrative bodies that have student representation in these. This representation helps them for their overall development. These bodies create more avenues for students to develop technical skills, updating knowledge on the state of art subjects, personality development and service to society through the following bodies. There are staff advisors to guide the students for the smooth and efficient conduct of these activities.

File Description	Documents
Paste link for additional information	http://www.avccengg.net/activities/iqac/intro.php
Upload any additional information	View File

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

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

32

File Description	Documents
Report of the event	**No File Uploaded**
Upload any additional information	**No File Uploaded**
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

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

Response:

The Institution is having alumni association around 10,036 students as active mebers. Every Year alumni meeting is conducted on third week of december to discuss about various types of contributuion to the institution. The following activities are conducted through Alumni Assoiciation :

- **Invited Talks**
- **Guest Lectures**

Alumni interact with the respective HoDs and give them information regarding current trends and practices in the

industries in which they work, so that suitable improvements in the infrastructure facilities can be made in the institution. Alumni also interact with the final year students and guide them in preparing for campus interviews in core and IT companies. Alumni help in arranging seminars in key areas. Alumni are also involved in guiding certain final year projects.

They help the department to identify the industries for students to undergo in plant training. Interactive sessions in providing guidance regarding higher studies, competitive exams and placement for juniors.

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

5.4.2 - Alumni contribution during the year (INR in Lakhs)	**E. <1Lakhs**

File Description	Documents
Upload any additional information	**No File Uploaded**

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

Vision

To blossom into a cynosure of technological innovations.

Mission

To participate in the noble cause of nation building by offering professional education, research and training in engineering and technology especially to the rural based Students.

The vision and mission statement of A.V.C. College of Engineering have been formed based on views collected from

stack holders. It is tuned further from regular interaction with stack holders of the Institution and review meetings with governing council members, meeting with head of departments, faculty, parents and students through class committee meeting. The college having an organizational chart.

The AVC Institutions are administered by the Judge Administrator. Principal is the head of the institution. The Director takes up responsibilities of non academic maters. Vice Principal will assist in the Hostel Administration, System Maintenance and Transports.

Various committees are formed for decentralization and participative management.

1. Anti Ragging Committee
2. Grievance Redressal Committee
3. Class Committee
4. Professional Society Chapters

Students representatives are members in those committees and the contribution will improve feedback of institution.

Similarly faculty members are members in following committees.

1. Coverning Council

2. Anti Ragging Committee

3. Sexual harassment and Redressal Committee

4. Professional Society Chapters

This involvement will improve in the field of academics and empowerment of women.

File Description	Documents
Paste link for additional information	http://www.avccengg.net
Upload any additional information	View File

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

Effective leadership by setting values and participative decision- making process is the key not only to achieve the vision, mission and goals of the institution but also in building the organizational culture. The formal and informal arrangements in the institution to co-ordinate the academic and administrative planning and implementation reflects the institutions efforts in achieving its vision.

The Principal is the Chief Executive responsible for providing direction, leadership and for the day to day functioning of the Institute and the Vice Principal is the functional head responsible for the conduct of academic programs and processes within the broad framework of its Mission, Vision, strategic objectives and goals also the guidelines issued by the statutory bodies from time to time. Within this overall framework, faculty members have the professional operational autonomy in conducting their teaching, research, training and consultancy apart from introducing new courses of relevance.

The department heads have both academic and functional autonomy. HoDs and Principal are given contingency amount by the institution so that they can use it for any incidental expenses in their department/institute and is replenished. For major decisions like AICTE, Anna University, NAAC, NBA, NIRF, ISO, etc., related tasks are usually taken after discussion and approval of the Administrator.

File Description	Documents
Paste link for additional information	http://avccengg.net/academic/images/OC. pdf
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Curriculum Development

Since the Institution is an affiliated under Anna University, the curriculum and syllabi of the affiliated University have

been adapted.

• As part of curriculum development, students are encouraged to perform mini projects and working models. In-house exhibitions are arranged in order to provide a platform for students to exhibit their technical knowledge.

• "Learning through Practice" is being insisted and implemented with the aid of hands-on workshops.

• Students are encouraged to utilize the open source software framework with their respective domain for solving their curricular exercise.

Teaching and Learning

Course plans are prepared for every semester by the faculty member of concern and verified by the head of the department at different stages in accordance with syllabus and scheme of examination given by University. Besides, the well standard course material prepared by the faculty members also strengthens teaching- learning process.

• The teaching and learning process is also reviewed by the head of the department and the feedback is communicated to the faculty members of concerned.

• The Class Committee is constituted for each semester as per the norms of affiliated University. It comprises a Chairman (who doesn't handle any course to the class), faculty advisors and 4 to 5 student's nominees. Regular class committee meeting has been conducted to record the grievance about teaching learning process.

• Faculty members have been encouraged to attend Faculty Development Programs, seminars and workshops for gaining strong knowledge in their field.

File Description	Documents
Strategic Plan and deployment documents on the website	**No File Uploaded**
Paste link for additional information	**Nil**
Upload any additional information	[View File]()

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

Principal and College Administrative Committees:

Principal as a head of the teaching - learning process pays special attention for smooth functioning of academic activities. Heads of the all departments and Principal Office helps him in this matter. Director is the head of the Administration for administrative related internal works. The principal forms various committees for monitoring and facilitating several activities organized in the college, i.e. IQAC, Anti Ragging Committee, Women Development Cell, NSS, Red Ribbon club, Grievance Redressal Cell, SC,ST Committee, Discipline Committee, etc.

Service Rules, Procedures, and Recruitment

The institute follows the rules and regulations of the AICTE and Anna University for the recruitment and grievance redressal. Besides, the institute has its separate internal mechanism for redressal of the grievances.

The promotional policy of the institute is transparent and impartial. The staff selection committee will review and recommend the deserved and eligible staff for promotion depending upon the available vacancy to the administrator for approval.

Grievance Redressal Committee:

The college has formed a Grievance Redressal Committee for faculty, Staff and students to address their complaints and grievances to resolve them. The Principal is the Convener of

the Committee and members of the cell to deal with the issues.

Internal Complaint Committee (ICC) / Prevention of Sexual Harassment Committee (POSH):

The Committee is formed with Convener and Members to receive the complaints of Sexual Harassment if any and deal with the complaints to take the corrective actions.

File Description	Documents
Paste link for additional information	**Nil**
Link to Organogram of the institution webpage	http://avccengg.net/academic/images/OC.pdf
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination	**A. All of the above**

File Description	Documents
ERP (Enterprise Resource Planning)Document	**No File Uploaded**
Screen shots of user inter faces	View File
Any additional information	**No File Uploaded**
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

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

Equal opportunities are given for both genders in curricular and co-curricular activities. In all the events conducted in the institution, gender equity is ensured, our Smart India Hackathon teams constituted both boys and girls. Grievence

redressal cell and Women empowerment cell are functioning in the campus. Anti-ragging committee ensures safety and security to girls students.

This institution has a strong ethical work culture that is based on inclusivity. It observes highest ethical standards in all its activities. Equal opportunities are provided to all individuals irrespective of gender, race, caste, color, creed, language, religion, political or other opinion, national or social origin, property, birth or other status. Its unique work culture, healthy traditions and ethos have led to enrolment of 68% women students and 60% women staff. Safety, security and well-being, along with gender equity and friendly working atmosphere are the issues of prime concern to AVCCE. Gender sensitivity is an inherent value in the cultural ethos of the institute and its neighboring community, is evident by the following facility–

(a)Safety and Security

• Well-trained and vigilant women security guards stationed across the campus.

• Security checkpoints at entry and exit.

• Extensive surveillance network with 24x7 monitored control rooms.

• Rotational duty by all faculty members for discipline and security.

• Strict implementation of Anti-Ragging and Anti-Smoking campus.

• The Institute is the preferred destination of parents for education of their female wards as evidenced by the Stakeholder Feedback.

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

6.3.2 - Number of teachers provided with financial support to attend conferences/

workshops and towards membership fee of professional bodies during the year

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

3

File Description	Documents
Upload any additional information	View File
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

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

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

7

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

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

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

60

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

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

After completion of one year service an appraisal will be conducted by appraisal committee, Principal ,Director ,Dean and Department Head concerned. Accordingly the Faculty's member's last one year performance is reviewed through self-appraisal and student's feedback. The Committee also reviews the student's Log book, Result performance (subject wise) and also Special classes conducted for poor students, books published by the faculty member, FDP, workshop and seminars attended by the faculty. Appraisal is conducted for Non-Teaching staff members for every year through self-appraisal by the concerned Department heads and principal.

File Description	Documents
Paste link for additional information	http://avccengg.net/academic/images/FA.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism

for settling audit objections within a maximum of 200 words

The institute has Charted Accountant for verifying the internal documents every year. Honorable Administrator will approve the funds every year for purchase equipment's and various activities. At the end of the financial year, account details are verified. External Auditor will visit and check the documents as per the Government norms.

File Description	Documents
Paste link for additional information	http://avccengg.net/academic/images/202122.pdf
Upload any additional information	View File

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

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

1.5

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

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

Mobilisation of Funds:

1.Tuition Fees collected from the students including PMSS Course Fee amount sanctioned by the Govt. for SC/ST Students.

2.Interest amount accrued from Saving Bank Account.

3.Interest amount accrued from the Fixed Deposit of the Institution

4.Interest accrued from Caution Deposit amount collected from the students.

5.Amount donated by various donors. 6.Interest accrued from the Endowment Deposit.

7.Amount received from the disposal of e-waste, used papers and condemned articles.

8.Consultancy fees received from Mechanical Engineering and Civil departments.

9.Funds generated from Farm house – Sale of coconuts and Vegetables.

10.Miscellaneous income from Exam application processing fee

11.Amount collected through issuing of Bonafide Certificates. The mobilised funds are effectively utilised in the following heads 1.Human Resources – Staff and Faculty Salary, incentive and their welfare measures.

12.Physical or infrastructure Resources – Buildings, Equipments , Computer

13.Natural resources – Green cover and Landscape Management

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

6.5 - Internal Quality Assurance System

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

The Institute IQAC contribution:

(a)Annual Quality Assurance Report (AQAR)

(b)Self-Study Reports of various accreditation bodies

(c) Stakeholder's feedback

(d)Action Taken Reports

(e) Improvement in quality of teaching and research by regular inputs to all concerned based on feedback from students.

(f) Providing inputs for Academic and Administrative Audit and analysis of results for improvement in areas found weak.

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

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

The improvements based on feedback implemented are:

IQAC periodically reviews the teaching-learning process, structures & methodologies of operations,and learning outcomes: The standard methods of teaching, learning and evaluation which are proven over the years are being followed.

Academic Calendar:

Based on the University Academic Calendar the Institute schedules the academic calendar well in advance at the start of the year with ample time frame for not only the regular teaching-learning process but also to accommodate the various events like seminar/ guest lecture/

Preparation of course plan for each Semester:

The course plan is prepared by the faculty members for all the subjects they teach in that particular semester. Enriching the curriculum with guest lectures, industrial visits and Internships

Evaluation of faculty by students:

The institution has a feedback system to evaluate the faculty by students. The regular evaluation of the faculty by the students, feedback on teaching methodologies, course delivery, attitude, strengths and weaknesses, difficulties faced in the subject give a clear idea about the problems faced by the students.

Student learning outcomes:

The institute monitors the performance of the students regularly. Ithas specified procedure to collect and analyse data on student learning outcomes; the following points are adopted by the institute in this context:

- **Regular class tests and interactions**
- **Continuous Internal Assessment comprising of internal tests, assignments and seminar presentations.**
- **Providing Question bank of various subjects to the students.**
- **Providing Lecture notes through an online portal**
- **Extra classes for weak students to solve their problems.**

File Description	Documents
Paste link for additional information	**Nil**
Upload any additional information	[View File](#)

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

File Description	Documents
Paste web link of Annual reports of Institution	http://avccengg.net/academic/images/annual.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	View File
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

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

Equal opportunities are given for both genders in curricular and co-curricular activities. In all the events conducted in the institution, gender equity is ensured. Our Smart India Hackathon teams constituted both boys and girls. Grievance redressal cell and Women empowerment cell are functioning in the campus. Online Grievance Redressal Cell is also available in the college website. Anti-ragging committee and Anti-ragging squad ensure safety and security to girls students. Also a PoSH cell to prevent sexual harassment is actively functioning. The campus also incorporates Girls waiting hall with necessary amenities such as furniture, resting benches, sanitary napkin machine, proper ventilation, sinks, lighting etc. Fire safety equipments are also installed. Women empowerment cell operating in the campus celebrates Women's day every year and organises "Invited talks" for the welfare of girl students and women staff members. Various events and competitions are conducted for girl students and women faculty members and prizes are distributed. Women Housekeeping staff are also honoured on women's day.

File Description	Documents
Annual gender sensitization action plan	**Nil**
Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	http://avccengg.net/womenhelpline.php

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment	**A. 4 or All of the above**

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	**No File Uploaded**

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

The campus have adequate waste disposal and waste collection centers. Dustbins for collecting solid waste and wet waste were placed in each building of the campus. The liquid waste are collected separately & disposed periodically. Our college has been promoting digital note taking, reading and email correspondence for reducing paper wastage. E-wastes such as non-working and discarded electrical and electronic devices (computers, telecommunication devices, electrical appliances) are collected periodically and sent for resale or recycled. A Bio gas plant (10 m 3) is established to generate gas for cooking with the help of waste food and other degradable waste. Eco club is functioning in our college & taking care of environmental issues and to maintain gardens and well being in hygienic manner periodically.

A Bio Mass Gasifier (AICTE Fund 25 Lakhs) to convert bio mass (garden waste, paper waste and refuse) in to fuel gas by means of thermal root is available at our institution.

College has installed disposable napkin machine for Girl students & Lady faculty members.

There are 9 bore wells in our campus, 4 RO plants with a capacity of 1000 / hour for drinking. The backlash of the RO Plants is used for garden and toilet cleaning. Rainwater harvesting units are placed separately for each building to conserve water. Automatic overflow controllers and automated irrigation control system for garden using multiple sensor networks are installed. Water recycling system is also available in the campus.

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File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	[View File](#)
Geo tagged photographs of the facilities	[View File](#)

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus | **A. Any 4 or all of the above**

File Description	Documents
Geo tagged photographs / videos of the facilities	[View File](#)
Any other relevant information	**No File Uploaded**

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: | **A. Any 4 or All of the above**

1. **Restricted entry of automobiles**
2. **Use of bicycles/ Battery-powered vehicles**
3. **Pedestrian-friendly pathways**
4. **Ban on use of plastic**
5. **Landscaping**

File Description	Documents
Geo tagged photos / videos of the facilities	[View File](#)
Various policy documents / decisions circulated for implementation	**No File Uploaded**
Any other relevant documents	**No File Uploaded**

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

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

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	**No File Uploaded**
Certification by the auditing agency	**No File Uploaded**
Certificates of the awards received	[View File](#)
Any other relevant information	**No File Uploaded**

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path,	**A. Any 4 or all of the above**

lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment   5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

File Description	Documents
Geo tagged photographs / videos of the facilities	<u>View File</u>
Policy documents and information brochures on the support to be provided	**No File Uploaded**
Details of the Software procured for providing the assistance	**No File Uploaded**
Any other relevant information	**No File Uploaded**

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

The Institution has been taking all efforts to offer an inclusive environment in various aspects. During various celebrations in the institution, cultural events are planned and conducted in such a way that various regions, languages and their cultures are reflected. All religion students are given equal opportunities in academic, co-curricular and extra- curricular activities. Proper measures are taken to ensure full co-ordination in all aspects apart from diversities. The institution is serving rural students, students with poor economic backgrounds. Students of various communities are admitted in the institution without any discrimination. The religious habits followed by minority students are permitted in view of assuring due respect to everyone's beliefs.

Our Institute has won the Green Champion consecutively for past two years from both Central and State governments, also a cash prize of Rs One Lakh both time.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	**No File Uploaded**
Any other relevant information	View File

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

In order to enrich the moral values, rights and duties among students and staffs with respect to abiding by the constitution, various measures were taken by the Institution. Lectures were arranged with regard to road safety measures to be adopted, Election voting awareness, Being Honest and Resistant to corruption and other such programmes. With respect to Professional ethics, as it incorporates the personal standards and working culture expected from professionals, there is a need to equip the students in ethical behaviours. Realizing its importance, various seminars and lectures were conducted to inculcate the importance of following ethics in learning and working environment. Students Induction Programme-22 (SIP) organized by Department of Science and Humanities,for 10 days in total. All the sessions/programmes were conducted commonly for all the first year B.E/B.Tech students. Universal Human Values, Motivational talks, University Rules and Regulations, Communication Games, Talent Serach and various topics for the overall development of students will be taken up which gives a gateway for the students in the Engineering education.

Faculty members were permitted to participate in faculty development programmes on Professional ethics and knowledge sharing sessions were organised in which the faculties share the insights gained to other staffs and student community

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

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

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

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

The Institution has celebrated the following commemorative days/events/festivals:

International Women's Day on March 8th of every year is celebrated. There is a dedicated Women's Empowerment Cell which organises Women's day celebration in the institution.

Special guests (Women with special achievements) were invited and honoured. Girl students were inspired by their motivational speeches. Events/games were arranged for girl students and women faculty members, Women faculty members were assigned to judge various events and prizes distributed on the day.

National Engineer's Day on September 15 is celebrated in the Institution in honour of Bharat Ratna Visvesvaraya.

International Yoga Day on June 21 is celebrated in the institution. On this day, special yoga sessions are planned and organised by the dedicated team in the PEKAK hall and staffs learn and practice yoga exercises. In this year 2020, despite of COVID period, Yoga webinar was arranged by the Institution and staffs took part of it and benefited.

Pongal Day celebrations take place every year in the month of January. Students enthusiastically cook pongal in separate groups which will be a colourful event to watch. Cultural events such as traditional village dance forms will be performed by students such as karagam dance, folk dance etc.,

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

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

1. Title of the Practice: Green is the way to go

2. Objectives of the Practice: To create environment consciousness Maintain biodiversity Tree plantation Use of renewable energy Effective waste management

3. The Practice: There are 8 000 valuable trees in the campus

with 500 saplings belonging to different species of Medicinal plants Planting of trees is a continuous process and on each environmental day, national festivals and whenever VIP guests visit the campus, new plants are being added. Water Harvesting • Rain water harvesting is implemented for the college Campus. • Storage tanks are created at various places for recharge of ground water.

As a result Our Institute has won the Green Champion consecutively for past two years from both Central and State governments, also a cash prize of Rs One Lakh each time.

File Description	Documents
Best practices in the Institutional website	http://avccengg.net/academic/images/bestpractice.pdf
Any other relevant information	Nil

7.3 - Institutional Distinctiveness

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

Performance of the Institution Imparting Confidence in Rural Students by Improving their Communication Skills -IIT spoken Tutorial Classes Objectives of the Practice: To make all students and faculties aware about the videos designed by IIT-B professors and get all concepts clear for a particular software and achieve a certificate after gaining thorough knowledge of that subject The Context: The Spoken Tutorial project is the initiative of the 'Talk to a Teacher' activity of the National Mission on Education through Information and Communication Technology (ICT), launched by the Ministry of Human Resources and Development, Government of India. All audio video developed by IITBombay for MHRD, Government of India. The Spoken Tutorial Project is about teaching and learning a particular Free and Open Source Software (FOSS) via easy Videos designed by IITB professors. The idea of designing these videos of various subjects is to spread the knowledge and to encourage self-learning in different languages like Linux-Ubuntu, C, C++, Java, Scilab, PHP, MySQL, Python. In our campus, the organiser of spoken tutorial provides induction to first year students. It is regarding the spoken tutorial site, how to download the

videos, how much time it requires to get proficiency in a particular subject and when online exam for that subject will be organized and on successful completion of online exam how to download a certificate from that website. Our college signed MoU with spoken tutorial, IIT, Bombay On 06.03.2016 and our college is recognized as a nodal resource sub center.

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

7.3.2 - Plan of action for the next academic year

1. To renew the NAAC accreditation (Third cycle) in the month of July 2023.

2. To apply for NBA accreditation to MCA, MBA and B.Tech (IT) programmes in the forthcoming year.

3. To get accredited by various top notch companies like TCS, INFOSYS etc as employment provider.

4. Placement training to be conducted right from the first year onwards.

5. GATE exam awareness and coaching.

6.To get better ranking in NIRF & ARIIA.