SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

A.V.C. COLLEGE OF ENGINEERING

A.V.C. COLLEGE OF ENGINEERING MAYILADUTHURAI MANNAMPANDAL
NAGAPATTINAM DISTRICT
609305
www.avccengg.net

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

November 2017

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

A.V.C College of Engineering is a pioneer institution and first self-financing college in Nagapattinam District. This college has been approved by All India Council for Technical Education (AICTE) and affiliated to Anna University of Technology, Chennai. It is situated on the main highway, 4 kms from the historical town Mayiladuthurai to Thirukkadaiyur, in an evergreen scenic landscape of around 30.09 acres. AVC College of Engineering located in the rural environment committed to social welfare. The Academics is backed up with 7 Undergraduate and 5 Postgraduate programmes in Engineering and MBA, MCA along with 3 doctoral programmes.The institute has been accredited with "B" grade by NAAC in January 2013. Three of the departments namely Information Technology, Electronics and communication Engineering and Master of Computer Applications has completed one cycles of NBA accreditation. The MBA Programme is ranked in 76 - 100 band in the NIRF ranking 2016-17. The three departments namely Department of Mechanical Engineering, Master of Computer Applications and Chemistry Department has been recognised as research centers by Anna University Chennai for offering Ph.D & M.S (By Research).

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 poor Students

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Academic Ambience.
- Accredited UG and PG programs by NAAC.
- Approved Research center for Ph.D. in three Departments.
- Good Admissions.
- Excellent financial support for quality initiative activities.
- Mix of young, dynamic and experienced faculty members.
- Team Work within staff.
- Good number of professional Society activities.
- Wi-Fi campus, Internet, Well equipped laboratories and Infrastructure.

- Green Environment.
- Strong Board of Management with Transparency & good governance.
- Good number of Extension activities to the society.

Institutional Weakness

- Difficulty in converting students with lack of focus.
- Prolonged rote learning habits of students.
- Shortage of prominent industries in this rural area.

Institutional Opportunity

- Good brand image.
- Core Teaching System (CTS) with foreign universities.
- Exchanges with foreign universities.
- Industry based courses.
- Skill Enhancements with industry.
- Good bonding with industry so all future programmes & courses with industry.
- New trends in multidisciplinary professional education and new teaching methods.
- Provision for redesigning curriculum & multidisciplinary teaching and learning.
- Possibility of utilizing e-learning and distance education.
- The availability of research grants from Government, research agencies
- 100 % PG projects to be industry based.
- Faculty Sabbaticals.

Institutional Challenge

- Maintaining high percentage of attendance of students.
- PG admissions.
- Placements in core industries.
- Rural Students.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Being an affiliated college of Anna University, Chennai, Tamilnadu, A.V.C. College of Engineering follows all the regulations and curriculum of the University. Program Specific Criteria recommended by International Professional bodies are taken into consideration while designing the POs, PSOs and PEOs. Each department offers professional courses and elective courses as per the University syllabus. The curriculum also contains courses on environment, human values and ethics. Around 42 new courses are introduced in the last five years. The College promotes interdisciplinary approach by offering interdisciplinary projects, and around 41% of students are undertaking field projects apart from attending skill development modules, industrial visits, in-plant training etc. The subject related programs and value added programs are conducted every semester to fill

up the curricular gaps to improve the employability of the students. Approximately around 1000 students were enrolled for such programs. Curriculum of every course is mapped with five to six course outcome. The Faculty conducts the course exit survey at the end of the semester on attainment of course outcome delivered by each student. Analysis of course exit survey helps in modifying contents or delivery or assessment method of the course. Apart from the Head of the departments, Dean Academics and principal check the Lesson plan, syllabus plan and performance of students in Continuous Internal Assessment (CIA). External quality audits are conducted by external ISO Experts.

Teaching-learning and Evaluation

Almost 100% seats allotted as per the reservation policy of the state government is filled up. The institute has 145 teachers and 25 of them are having Ph.D qualification with a staff student ratio of 1:13.4. The average experience of the staff is 10.5 years. Handbook containing the details of commencement of each semester, End semester examinations, rules and regulations of the college are distributed by all students. Bridge course for ten days is conducted for first year students to strengthen than core competencies. A course file is maintained by faculty for each subject for effective delivery of course content and monitoring the progress of the students. Almost 93.5 % of teachers use ICT tools for teaching and learning. Remedial classes are conducted for weak students in all subjects. The college has an integrated examination cell which is headed by Dean Academics. The Institute offers 40% weightage for class tests performance, and 60% weightage for CIA examination while computing marks for the internal assessment. Grievances of internal and end semester examination are solved by adopting standard procedures. The Institute has adopted modern teaching learning practices with blended MOOCS, NPTEL course materials and online course materials developed and uploaded in Classle Cloud environment by teachers. Counselor system is meant for solving the students academic and personal problems. Class in-charge meeting and class committee meetings with students participation ensures proper delivery of course content. The graduates obtaining University ranks are awarded with gold coin weighing eight grams in the graduation day function.

Research, Innovations and Extension

Institute has a dedicated R&D Cell headed by Director (R&D) and other committees like Inter Disciplinary Research Forum and Research progress monitoring Committee for monitoring research activities including Ph.D. The institute is recognized and approved as a research centre to offer Ph.D/ M.S (By Research) by Anna University, Chennai for three disciplines namely Mechanical Engineering, Master of Computer Applications and Chemistry. Currently 11 teachers obtained guideship for doctoral research and guiding 22 research scholars. The institute is providing all support to the teachers for pursuing research and innovation. Currently 63 teachers are pursuing their Ph.D. The Institute has received funds for research project and MODROBS, seminar grants from AICTE and other agencies of repute to the tune of 56 lakhs. Special incentives are given to faculties for teacher recognitions. The institute is selected under PM YUVA Yojana scheme to enhance ED education. It has a good track record of intellectual property with 350 plus research paper publications by faculty and students and 800+ citations in last 5 years. So far 182 workshops were conducted and 591 linkages are established towards Industry-Academia partnership.   Apart from this, students are sponsored to participate in projects / competitions at other institutes. Roughly 102 extension and outreach programmes were conducted through NSS, YRC, RRC and other initiatives. Institute conducts many social outreach programmes which include organization of awareness programs (for environment, water conservation, computer education etc), voter awareness, blood donation camps and tree plantation etc.

Infrastructure and Learning Resources

The campus is spread over 30.09 acres with multistoried buildings having 43 class rooms,14 tutorial halls, 6 seminar rooms, one conference hall and 70% of them are ICT enabled along with 57 laboratories. There are separate departmental libraries and a centralized library with 55,238 books for staffs/students use. The Institute has well equipped language lab for improving communication skills. Wi-Fi facility of 50 MBPS capacity is provided to improve teaching learning process. A solar plant is established with 40 panels of 10 KVA capacity. Each Department is provided with separate computer lab having 681 computers with 1:3 computer student ratio. Ubuntu open source operating system software and other open source applications software are prominently used. An amount of 18.25 lakhs is spent on an average every year for the purchase of library books. Campus-wide CCTV facility is available in the college. A well equipped big Medical center is available in the campus with a Doctor on regular visit. College has its own Ambulance. To accommodate the students coming from distant places, the college has one boys and two girls' hostels. Transportation facilities are also provided to students and staff using 20 buses. Indian Bank and Union bank ATM facilities are also available in the campus. Other facilities include clean drinking water with 3 RO systems, canteen, store, girls and boys rest room, women's rest room, telephone, sports room and Gymnasium are available in campus. Institue ensures 24 x 7 security with 18 security personnel and CCTV systems.

Student Support and Progression

Mentoring of students is done through counselor, Class Teacher, Psychological Counselor, HoD, Dean academic and Dean Administration. A well defined structure identifies slow learners and remedial teaching is carried out for them. Every year around 45% of students are receiving financial assistance from state and central government. Another 9.97% students are benefitted by other free ships by the Institute. The institute encourages students to participate in sports and games at University, National level and reimburse the amount spent. The institute prepares co-curricular and extra-curricular activity calendar containing industry visits and guest lectures, schedule of faculty development programmes, class committee, professional society chapters programmes etc. All capability enhancement schemes are available to all the third and final year students for career counseling, guidance for competitive exams etc. The Institute also has Laboratories funded by National Instruments (Labview Academy). The Institute has a dedicated Training & Placement cell conducting on and off campus interviews regularly towards students placement. The Institute has a well established eco system for entrepreneurship. During yearly alumni meet, alumni are awarded for their contribution to the college as well as best entrepreneur alumni are awarded. The institute has a well defined mechanism for Grievance Redressal such as Grievance Cell for students, Grievance Cell for Prevention for Atrocities Act (SC/ST) and Women Cell/Sexual Harassment Cell. There is anti-ragging committee and discipline committee. Students are not only encouraged to participate in competitions of national repute but also are given financial assistance for academic achievements.

Governance, Leadership and Management

The college has a well-framed administrative set up conforming to the norms of the regulatory bodies. The college has statutory and non-statutory bodies as per the guidelines of UGC / AICTE. Board of Management (BOM), Governing Council and Academic council etc meet regularly. The Principal delegates his administrative authority to Director (Administration), Vice Principal and Deans for the effective discharge of multifarious activities and the Dean delegates the academic functional authority to the HoD and other faculty members. Board of Management meetings are conducted monthly and Governing council meeting are

conducted yearly. The college involves faculty members in 10 different committees. Around 81% teachers attend training programs every year and 71 programs are conducted in the institute in last five years. In total 13 welfares measures are available for the staff members catering to their various needs. The institute's quality assurance is reinforced by the adoption of IQAC Cell and 30 quality initiatives were taken by IQAC in last five years. Further quality is reinforced by adopting ISO quality standards every year and by participation in NIRF ranking system since inception of the college, NBA accreditation for 3 Programmes in 2012-15   and NAAC Accreditation from 2012 onwards. The college has supporting services rendered by the departments like system maintenance, power house, project engineering, transport, house keeping and farm house for maintaining a congenial and connubial campus atmosphere.

Institutional Values and Best Practices

In line with the vision and mission, the Institute participates in the noble cause of nation building by offering professional education, research and training in engineering and technology especially to the rural, underprivileged poor students. Adequate ICT and LMS is utilized for the teaching learning process. Slow and fast learners are identified and separate coaching sessions are regularly organized to excel in their studies. They are encouraged and coached to participate in developmental activities both within and outside the campus. Remedial classes are conducted for weak students to improve their performance in all subjects. During remedial classes subject content are again taught with more simplification and related difficulties are solved. These classes facilitate one to one interaction between teacher and student. It has resulted in the increase of transition rate. Short term/Certificate courses are continuously offered for the students to make them technically sound, which had a great impact for the final year students during their placement. Participation in NSS, YRC and RRC by the students would install social responsibility among them. Through these organizations, 21 gender equity awareness programmes, 24 local community level programmes including blood donation camps, various health camps and socially relevant activities were conducted for the past 5 years. Thus the Institute continuously contributes towards the society. A practice of rewarding outstanding research contribution/publication with incentives is followed which encourages new comers to actively involve in research activities, pursuing higher studies (Ph.D) and to participate in FDPs/Conferences/Seminars etc.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	A.V.C. COLLEGE OF ENGINEERING
Address	A.V.C. COLLEGE OF ENGINEERING MAYILADUTHURAI MANNAMPANDAL NAGAPATTINAM DISTRICT
City	MAYILADUTHURAI
State	Tamil Nadu
Pin	609305
Website	www.avccengg.net

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	C Sundar Raj	04364-227202	9442075675	04364-227299	avcce@avccengg.net
IQAC / CIQA coordinator	N Dhanasekar	04364-224202	9443578497	-	dhanasekar@avccengg.net

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details	
Date of establishment of the college	30-08-1996

University to which the college is affiliated/ or which governs the college (if it is a constituent college)		
State	**University name**	**Document**
Tamil Nadu	Anna University	[View Document](#)

Details of UGC recognition		
Under Section	**Date**	**View Document**
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	**Recognition/Approval details Institution/Department programme**	**Day,Month and year(dd-mm-yyyy)**	**Validity in months**	**Remarks**
AICTE	[View Document](#)	24-04-2017	12	

Details of autonomy	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

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Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	A.V.C. COLLEGE OF ENGINEERING MAYILADUTHURAI MANNAMPANDAL NAGAPATTINAM DISTRICT	Rural	30.09	29570

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Civil Engineering	48	HSC		60	53
UG	BE,Electronics And Communication Engineering	48	HSC		60	55
UG	BE,Electrical And Electronics Engineering	48	HSC		60	48
UG	BE,Mechanical Engineering	48	HSC		120	116
UG	BTech,Information Technology	48	HSC		60	38
UG	BE,Instrumentation And Control Engineering	48	HSC		60	38
UG	BE,Computer Science And Engineering	48	HSC		60	56

PG	ME,Electronics And Communication Engineering	24	UG		24	6
PG	ME,Mechanical Engineering	24	UG		24	5
PG	ME,Computer Science And Engineering	24	UG		24	10
PG	MBA,Management Studies	24	UG		45	43
PG	MCA,Computer Applications	36	UG		60	32
Doctoral (Ph.D)	PhD or DPhil,Mechanical Engineering	44	PG		33	15
Doctoral (Ph.D)	PhD or DPhil,Computer Applications	44	PG		22	5
Doctoral (Ph.D)	PhD or DPhil,Science And Humanities	44	PG		13	1

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	13				15				117			
Recruited	9	4	0	13	10	5	0	15	60	57	0	117
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				68
Recruited	48	20	0	68
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				52
Recruited	46	6	0	52
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualificatio n	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	8	3	0	4	3	0	5	3	0	26
M.Phil.	1	0	0	0	0	0	8	15	0	24
PG	0	1	0	6	2	0	47	39	0	95
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	0	0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	264	0	0	0	264
	Female	141	0	0	0	141
	Others	0	0	0	0	0
PG	Male	19	0	0	0	19
	Female	77	0	0	0	77
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	1	0	0	0	1
	Female	1	0	0	0	1
	Others	0	0	0	0	0

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Provide the Following Details of Students admitted to the College During the last four Academic Years

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	27	41	44	47
	Female	22	28	27	72
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	155	218	220	209
	Female	139	212	228	223
	Others	0	0	0	0
General	Male	5	6	7	12
	Female	9	15	15	15
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		357	520	541	578

Extended Profile

1 Program

1.1

Number of courses offered by the institution across all programs during the last five years

Response: 582

1.2

Number of self-financed Programs offered by college

Response: 15

1.3

Number of new programmes introduced in the college during the last five years

Response: 3

2 Students

2.1

Number of students year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2050	2225	2256	2192	1939

2.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
189	313	331	345	320

2.3

Number of outgoing / final year students year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
520	532	559	404	470

2.4

Total number of outgoing / final year students

Response: 2485

3 Teachers

3.1

Number of teachers year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
157	160	159	148	135

3.2

Number of full time teachers year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
157	160	159	148	135

3.3

Number of sanctioned posts year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
157	160	159	148	135

3.4

Total experience of full-time teachers

Response: 1504.3

3.5

Number of teachers recognized as guides during the last five years

Response: 7

3.6

Number of full time teachers worked in the institution during the last 5 years

Response: 90

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 50

4.2

Total Expenditure excluding salary year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
578.5	515.72	492.61	283.05	320.26

4.3

Number of computers

Response: 681

4.4

Unit cost of education including the salary component(INR in Lakhs)

Response: 0.8028

4.5

Unit cost of education excluding the salary component(INR in Lakhs)

Response: 0.5212

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The institution ensures effective curriculum delivery through a well planned and documented process

Response:

The Curriculum and Regulation is 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 deliver the subject to the students. The curriculum is framed in such a way that 45 periods for theoretical / practical subjects and 60 periods for problem oriented subjects. Affiliating University has given the academic schedule and assessment period at the beginning of each semester. An Academic Handbook is prepared at the beginning of the academic year by the Institution for students and staff reference about the working days and assessment schedule. In addition to that, co-curricular calendar has been prepared for every semester which includes planned department level programmes and common programmes to execute it. The subject faculty member concerned maintains the course file and log book which contains student's attendance, assessment marks and portion coverage details. 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, hand outs, 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. For an effective delivery of curriculum, the faculty members have to attend the faculty development programme, seminars, workshops, etc., In addition, special Guest Lectures, Seminars, Workshops are often offered to the students by the experts from the leading industries and the institutions to fill the gap between the student and the faculty members.

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.,

S.No	Description
1	Allocation of subjects to the faculty based on their specialization by the HoD
2	Preparation of college academic calendar and co-curricular calendar
3	Preparation of time table
4	Appointment of year coordinators, class in-charges, and class counsellors for effective monitoring of the

	academics
5	Preparation of lecture plan
6	Classroom teaching by giving lectures with discussions, chalk & talk, OHPs, PPTs, group discussions, quiz, seminars, visual aids, models, videos, NPTEL course materials etc.,
7	Submission of course coverage
8	Conduct of unit tests, internal tests and model exams
9	Submission of schedule for remedial classes
10	Formation of students chapter at the beginning of the semester and conducting association activities (symposium, workshop, intra-department competitions, conference etc.,) throughout the year
11	Conducting bridge course for the first year and lateral entry students
12	Conduct of the class committee meeting
13	Arranging guest lecturer for students relevant to their current courses
14	Arranging in-plant training for the students to have industry interaction
15	Conduct of software training and value added courses for the students to fill the academic and industrial gap.
16	Motivating student teams to participate in conferences, symposium, workshops, paper presentations held in other institutions
17	Conducting placement related training programmes such as aptitude training, softskill trainings , technical trainings and mock interviews for the final year students aspiring for placement
18	Result analysis of internal assessment test, model exam along with corrective measures

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

1.1.2

Number of certificate/diploma program introduced during the last five years

Response:

1.1.2.1 **Number of certificate/diploma programs introduced year-wise during the last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Details of the certificate/Diploma programs	[View Document](#)

1.1.3

Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

Response:

1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
6	4	1	1	1

File Description	Document
Details of participation of teachers in various bodies	[View Document](#)
Any additional information	[View Document](#)

1.2 Academic Flexibility

1.2.1

Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years

Response:

1.2.1.1 How many new courses are introduced within the last five years

Response: 42

File Description	Document
Details of the new courses introduced	[View Document](#)
Any additional information	[View Document](#)

1.2.2

Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response:

1.2.2.1 Number of programmes in which CBCS/ Elective course system implemented.

Response: 12

File Description	Document
Name of the programs in which CBCS is implemented	[View Document](#)

1.2.3

Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years

Response:

1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
970	1000	527	946	641

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	[View Document](#)
Any additional information	[View Document](#)

1.3 Curriculum Enrichment

1.3.1

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

Response:

The cross cutting issues relevant to Gender, Environment Education, Sustainability, Human Values and Professional Ethics find an ample space when it comes to applying them positively into the curriculum. The Institution follows the co-education system from inception. The Quality policy itself vouches to create healthy and socially strong students. A clear and comprehensive code of conduct for students and staff members is followed. The Discipline Committee ensures the dress code and the conduct. Safe transport arrangements especially for girl students and women staff are sufficiently provided. Generally, a practice of leaving the campus before 6.00 pm especially for girl students and women staff is followed and the management is particular about this. A health centre, women's waiting hall and sick rooms are also available.

The various curricular and co curricular / extracurricular activities are student centric without any gender bias. All group/team activities are providing equal opportunities for both genders. Faculty members practice equal opportunity and equal treatment of students without gender bias. Equal opportunities have been given to to both the genders in terms of admissions, employment, training programmes, etc.,

Apart from the various courses offered relevant to these issues Gender sensitization programmes such as discussions/awareness on women safety, women's rights, physical health & fitness, and gender equity are conducted regularly by the active Women Empowerment/Development Cell. It also handles sensitive issues and supports women development. The Anti-Ragging committee and the Grievance Redressal Cell have transparent systematic procedures to curb ragging and eve teasing. In the past, no such incidents happened which shows the gender sensitised students available. Committee Against Sexual Harassment provides for the effective enforcement of the basic human right of gender equality and guarantee against sexual harassment and abuse, more particularly at work places. The Psychologist counsellor available also addresses these issues among male students.

The various group activities, sports and cultural events, participation in competitions, seminars, workshops, conferences etc jointly by the students inculcate the gender equality, upholds human values and ethical behaviours among them.

List of courses offered:

- GE 2025 Professional Ethics in Engineering
- GE 6351 Environmental Science and Engineering
- BA 7402 Business Ethics, Corporate Social Responsibility and Governance.

The subject "Environmental Science" is included as part of the curriculum. The college also conducts workshops on Environmental education where experts from the fields are invited to share and deliver their experiences and knowledge. The Eco Club actively sensitizes the students on the need to protect the

environment and generate civic sense among the people. Various extracurricular activities and awareness programme are conducted by the institution in the campus and in nearby villages through the NSS / Eco Club related to Climate Change and Environmental Education, Tree plantation, Water Treatment Plant, Rain Water Harvesting, In house vegetable cultivation, Sewage treatment plant / water reuse, bio-gas plant, solar power, plastic free campus Green campus are given awareness programmes throughout the year.

File Description	Document
Any Additional Information	[View Document](#)

1.3.2

Number of value added courses imparting transferable and life skills offered during the last five years

Response:

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 20

File Description	Document
Details of the value-added courses imparting transferable and life skills	[View Document](#)

1.3.3

Percentage of students undertaking field projects / internships

Response:

1.3.3.1 Number of students undertaking field projects or internships

Response: 698

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

1.4 Feedback System

1.4.1

Structured feedback received from

1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise

Response:

File Description	Document
Any additional information	[View Document](#)

1.4.2

Feedback processes of the institution may be classified as follows:

Response:

File Description	Document
Any additional information	[View Document](#)

30-08-2023 11:29:09

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Average percentage of students from other States and Countries during the last five years

Response:

2.1.1.1 Number of students from other states and countries year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
4	3	4	0	0

File Description	Document
List of students (other states and countries)	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

2.1.2

Average Enrollment percentage

(Average of last five years)

Response:

2.1.2.1 Number of students admitted year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
357	548	541	578	559

2.1.2.2 Number of sanctioned seats year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
420	642	642	642	564

File Description	Document
Institutional data in prescribed format	[View Document](#)

2.1.3

Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response:

2.1.3.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
343	523	519	551	524

File Description	Document
Institutional data in prescribed format	[View Document](#)

2.2 Catering to Student Diversity

2.2.1

The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

Yes. The institute assesses the students' needs in terms of knowledge and skills before the commencement of the programme in the following way:

Categorization:

- Based on Cut-off mark, students are classified into category of A,B,C.

   Category A : Toppers (Department Highest Cut-off : X)

   Category B : Average (Cut-off : Y< X)

   Category C : Slow Learners (Cut-off : Z < Y)

- The institution organizes induction programme for the first years every year. After the inception

of the programme, the basic fundamentals for all the courses are conducted as bridge courses for a period of ten days. Further, special programmes such as fundamental mathematical coaching, computer proficiency are conducted.

Counsellor Record:

- After commencement of the programme, students' needs are assessed through a counselling process by the faculty advisor in terms of their performance in school, family background and skills sets in co-curricular and extracurricular activities and are recorded in the counsellor record.

- After the counselling, the students are trained in Language Proficiency, Computer Orientation Programmes and personality development programmes.

- Apart from Bridge courses and special coaching classes, remedial measures are taken. They are

1. Supplementing the class notes with additional study material.
2. Discussion of University questions and answers.
3. Additional tests of short duration
4. Guest lectures, Industrial Visits, training Programmes& In-Plant Training Programme, Internship, Valued Added courses and Seminars.

The institution assesses the learning levels of the students in the above categorization like

Advanced learners (Category A):

The institute identifies advanced learners by their performance in class test, practicals, Analyzing approach in problem solving techniques, university exams, performance in various competitions, research paper presented in various institutions and teacher-student interaction.

The institute offers a number of opportunities for bright students to enhance their talent and meet out their learning needs in the following ways

1. Organizing experts lectures so that such students can get advanced knowledge.
2. Encouraging the students to participate in value added programmes, content beyond syllabus related trainings.
3. Encourage the students to prepare for competitive examinations like UPSC, GATE, CAT examination and higher education.
4. Motivation has been given to the students to access latest online journals, reference materials and help them to understand the emerging trends in their field of study.
5. Pre-placement training programmes are conducted to improve their performance in the placement interview.
6. Inspired for industry based/sponsored mini/major project.
7. Students are encouraged to participate in science / technical exhibitions in order to design and execute working models with their inherent ideas.
8. Organize project exhibitions, various technical competitions on paper presentations such as TechnothirsT, Brainy, etc.
9. Content beyond the syllabus are taken to enrich the knowledge of the students in the advanced topics..

10. Students are motivated to take part in In-Plant training programme(IPT) / Internships / workshops / Project competitions at various leading institutes.
11. University Rank Holders are awarded with eight gram gold coin.
12. Leadership skills are promoted to Advanced Learners to organize various events in the college.

Slow Learners (Category B & C):

1. Faculty Members revise the content frequently as per requirement of slow learners.
2. Faculty Members discuss with the parents of the slow learners regarding improvement in the performance of their ward.
3. First Hour Class Test is implemented for the students, which cultivate the habit of reading of subjects on daily basis and resulted in good performance in the university results.
4. Specially developed question banks and assignments are made available to slow learners.
5. Extra Classes at the semester end for problem oriented subjects.
6. A well framed mechanism has been developed for the students who are at the risk of failure and drop out.

Identification:

- The academic monitoring of the students is done in a continuous and systematic manner and helps faculty members to identify students who are lagging in their academics.
- Identifying the academic background of the students on the basis of score of X standard and average marks of XII standard (cut-off).
- The Institute conducts class tests and Sessional examination with minimum 60% marks. If any one fails to score 60% marks then the student is identified as students at the risk of failure.
- The college has an effective faculty advisor system in which 15 -20 students are assigned to one faculty member, who keep a record of the student's family background, past performance, results of unit tests , CIA examination, achievements, and SWOT analysis of the candidates.The Faculty Advisor plays the role of a counsellor and mentor for those students.
- After the commencement of semester, extra classes are conducted for lateral entry students, to help them cope with the academics in spite of being admitted late into the course.
- Special Guidance is given to students helping them to know how to present in the university examinations and to make them know the valuation mechanism and to maximize the marks, by attempting more questions and how to adjust time management.

File Description	Document
Any additional information	View Document

2.2.2

Student - Full time teacher ratio

Response:

File Description	Document
Institutional data in prescribed format	View Document

2.2.3

Percentage of differently abled students (Divyangjan) on rolls

Response:

2.2.3.1 Number of differently abled students on rolls

Response: 3

File Description	Document
List of students(differently abled)	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

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

Response:

The teaching-learning process comprises student centric methods like experiential learning, participative learning and problem solving methodologies.

Experiential learning is the process of learning through experience and is more specifically defined as "learning through reflection on doing".

- As per Anna University curriculum, lesson plan is prepared by the faculty members which includes course objectives, course outcome, CO-PO mapping and it is approved by the HOD and given to students.
- By following the lesson plan the faculties engage their classes, create discussions in classrooms among students by their lectures and let the brainstorming evolve from students' perspective.
- Students engage in experiential learning through activities such as workshops, symposium, industrial visits, In plant training and Internships.
- Tutorial hours are planned as per the curriculum, two staff members are allotted and they attempt to stimulate students' own ways of thinking, by constructing problems / case studies / assignments by providing individual attention to them.
- Regular laboratory classes give more experience to students in learning which they have the

theory subjects in the respective semesters. In lab sessions, students get hands-on experience which help them to gain clarity in concepts and improve technology skill sets.

- In mini projects and final year projects students develop prototype solutions for engineering problems. They learn by collaborating with each other.
- As per the need from the students the college arranges more number of workshops and guest lectures at regular intervals.
- Industrial field trips which form a part of the curriculum are arranged by the college to enrich their practical knowledge in industries**.**
- Seminars are given by students in their subject for self-learning and improve presentation skills.
- Industry internship is an opportunity for on-sight training and gives exposure to engineering field.
- Technical associations, professional societies and clubs (such as IEI, CSI,yoga, YRC, NSS) functioning with the students as the executive committee members and the faculty taking up the role of a facilitator helps for developing – Organizational abilities, leadership qualities, time and financial management, Inter personal communication.
- Case study, problem analysis tasks as self-study assignments encourage the students to explore their own abilities in solving problems and in the process, inculcate the habit of life long learning.
- In Participative learning Individual skills and Group skills of the students can be identified and tasks can be assigned accordingly.
- The individual skills are to work in a challenging environment, students are motivated to present one-minute speech, seminars in technical topics, case study, assignments, etc.,
- The group skills are working creatively with individuals, whilst working with the group through developing mini porject, TNSCST projects, consultancy projects, projects for the College, etc.,
- Students explore their innovative thinking by demonstrating their projects in project expo's and other project competitions.
- For developing more confidence and coordination among the students, the college motivate them to participate in symposiums for presenting papers and events with different categories of students like good learners and slow learners.
- The college follows the methodologies for Problem solving. They are homework, self-study assignments. To explore their own abilities to solve problems and the students inculcate the habit of lifelong learning,
- Project Based Learning is a teaching method in which students gain knowledge and skills by working for an extended period of time to investigate and respond to an authentic, engaging and complex question, problem, or challenge.Mini projects are given to sixth semester students for improving their technology skills.
- For continuing the development of their knowledge, training programmes for aptitude, softskills, GATE training etc., are conducted for students regularly for their future enhancement
- For redefining the students current skills, students chose their elective subjects based on their domains and own interest.

File Description	Document
Any additional information	[View Document](#)

2.3.2

Percentage of teachers using ICT for effective teaching with Learning Management Systems

(LMS), E-learning resources etc.

Response:

2.3.2.1 Number of teachers using ICT

Response: 143

File Description	Document
List of teachers (using ICT for teaching)	[View Document](#)
Provide link for webpage describing the " LMS/ Academic management system"	[View Document](#)

2.3.3

Ratio of students to mentor for academic and stress related issues

Response:

2.3.3.1 Number of mentors

Response: 145

File Description	Document
Year wise list of number of students, full time teachers and students to mentor ratio	[View Document](#)

2.3.4

Innovation and creativity in teaching-learning

Response:

Coupled with the newer technologies in Teaching Learning Process such as Outcome-Based Learning (OBE), Student-Centred Learning (SCL), Problem-based learning (PBL) and Case Study (CS) are followed to compete in the real world. The Innovative Teaching Practices such as Massive Open Online Courses (MOOCS), SWAYAM - National Programme on Technology Enhanced Learning (NPTEL) which comprises of a) video lecture, (b)specially prepared reading material that can be downloaded/printed (c) self-assessment tests through tests and quizzes and (d) an online discussion forum for clearing the doubts, LCD Projectors in lecture rooms, Digital Libraries, Faculty prepared course materials are uploaded in the dedicated classle cloud campus. Students are accessed the course material through their login and view, and they can download the course materials from classle cloud anywhere, any time.

Outcome Based Learning:

The Institution defines its vision and mission. Based on the vision and mission, each programme has defined its own vision, mission, programme educational objective, programme outcome and programme specific outcome. Anna university has given the course outcome for each course and hence the faculty members match the individual course outcome with programme outcome with level of indicators to attain it. The rubrics have been defined by the faculty members for individual courses and assessed the performance of the students for the respective course in each internal tests. At the end of the completion of the programme, the level of outcome achieved by the individual student is derived.

Student-Centred Learning:

Video Lectures based on the need of the students are listened by them during the library and internet periods. E-Learning contents are viewed by the students in the cloud campus by login on their user id. Seminars, two minutes talk are conducted by the students for their skill development.

Problem Faced Learning:

Using some Decision support system environment, the students learn their skills to solve the problem they faced in day to day life. By counsel , we motivate the students to participate in the Curricular, Co-Curricular and Extra Curricular Activities to face the challenges in the real world scenario.

Case Studies:

Case Study for each subject has been given to the students to work out and suggested with feasible solution.

File Description	Document
Any additional information	View Document

2.4 Teacher Profile and Quality

2.4.1

Average percentage of full time teachers against sanctioned posts during the last five years

Response:

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document
Any additional information	View Document

2.4.2

Average percentage of full time teachers with Ph.D. during the last five years

Response:

2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
23	12	9	10	8

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	[View Document](#)
Any additional information	[View Document](#)

2.4.3

Teaching experience per full time teacher in number of years

Response:

File Description	Document
List of Teachers including their PAN, designation,dept and experience details	[View Document](#)

2.4.4

Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

Response:

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
34	25	27	17	26

File Description	Document
Institutional data in prescribed format	[View Document](#)
e-copies of award letters (scanned or soft copy)	[View Document](#)

2.4.5

Average percentage of full time teachers from other States against sanctioned posts during the last five years

Response:

2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
8	8	5	4	1

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	[View Document](#)
Any additional information	[View Document](#)

2.5 Evaluation Process and Reforms

2.5.1

Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

Response:

A.V.C. College of Engineering Examination Cell is headed by Senior permanent faculty with Ph.D qualification is nominated by the Management on the basis of potential of the person and who act as chief superintendent to conduct the Anna University Theory Examinations whereas for the practical examinations the Principal of the college shall be the Chief Superintendent.

The Coordinator of Examination is supported by a team of department coordinators as suggested by the respective head of the department and approved by the Principal of the College. The number of persons to be nominated shall depend on the quantum of work in the Examination Cell. The Examination Cell comprises of two full time technical cadre staff and an office assistant to carry out the work related to internal / external examinations (preparation of invigilators list, time table, circulars, maintenance of faculty data, Web Portal Entry Process related to Anna University, Chennai, seating arrangement, exam hall preparation, preparation of examiners appointment orders for internal / external invigilation, exam

fee payment process and registration in the university web portal, etc.

Academic Schedule

Academic Calendar has been prepared and each semester shall normally consist of 90 working days or 450 periods of 50 minutes each for UG Programme and 350 periods for PG Programme, which includes the internal assessment test periods. The Head of the Institution shall ensure that every teacher imparts instruction as per the number of periods specified in the syllabus and that the teacher teaches the full content of the specified syllabus for the course being taught.

Web Portal Entry Procedure

As per the University, the internal assessment and attendance entries for each assessment are entered in the University web portal. For each theory subject, there must be four entries, first entry includes only attendance for the theory subjects and the remaining three entries include individual attendance and marks for the respective theory subjects .whereas for the practical courses, the attendance and mark entries are entered only at the last entry in the Anna University web portal ie., at the fourth entry. Once the four entries are completed, Anna University portal generates the internal marks and Hall Tickets for the eligible candidates of the corresponding semesters. The minimum attendance percentage eligibility for a candidate to appear for the university examination is 75%.

General Guidelines

- Follow only the typical question paper format (Booklet Format) with common instructions printed. The nature of question paper should be precise. Paper setter should design question paper based on bloom's taxonomy and with university standards.

- The portion coverage for the first two internal tests is 1.5 to 2 units each and for the model examination the portion coverage is entire five units. The staff concerned has to submit the portion coverage details and number of questions asked in each unit in the question paper to the exam cell before the commencement of the internal tests.

- The questions shall be based on the course outcomes fixed for the corresponding subjects and it should be verified by the faculty in-charges after the examination regarding the attainment level of the students for each course outcome.

- The Question Paper comprises of three parts namely Part – A, Part – B and   Part – C.

  Part A contains 10 questions and each carries 2 Marks

  Part B contains 5 questions (either or pattern) and each carries 13Marks

  Part C has 1 question (Case Study / Problem in either or pattern) with 15 marks

- The HoD /senior faculty has to verify the question pattern, quality and implementation of Bloom's taxonomy in the question paper.
- Two sets of question papers are prepared by the concerned subject staff and submit to the exam 10 days before the commencement of the internal tests. The exam cell coordinator has to select

the one set and multiple copies are taken in the exam cell.

- Exam Cell Committee members have to prepare the hall plan, seating arrangements, question paper distribution on exam days, staff invigilation duty, squad duty and support staff duty etc., The staff duty details are circulated in advance to the concerned departments. If anybody wants to make an alternate arrangement in the duty, he / she has to submit duty change form with the approval of the HoD.

- The answer booklet for the Internal Tests is similar to Anna University Booklet pattern in order to give practice to write the answers within the booklet and procedure.

- The faculty who has set the question paper should submit the scheme of valuation and answer key to the exam cell.

- Any absentee in the internal tests is marked in the absentee form, intimated to the HoD on daily basis during the test periods for immediate action and copy of the absentee is sent to the departments at the end of each internal tests.

- Retest mechanism is followed only for the internal test absentee. students who are willing to write the retest has to pay a fine amount of Rs.50.00 per paper and a separate timetable is prepared and the test will be conducted within 10 days. The second set of question paper is distributed and separate staff invigilation duty is allotted to foresee the retest.

- Central Valuation system is followed for the internal tests and the respective HoD's should verify the three to four answer scripts and submit the class wise answer scripts verification report to the exam cell.

- Consolidated Marks and Subject Performance Report are prepared in the department and submitted to the exam cell within 10 days after the CIA tests. Based on the student's performance in the internal tests, the remedial class sessions are arranged for the slow learners as proactive mechanism for end semester university examinations.

- Before each Internal Assessment tests, two class tests also known as daily tests of 20 marks are conducted for the respective subjects to improve the study and writing skills of the students in a systematic way. The exam cell committee members have to prepare the hall plan, seating arrangements, question paper distribution on exam days, staff invigilation duty, etc.
- Based on the class test performance and internal assessment test (CIA), the internal marks (20 Marks) are calculated. The weightage is 40 marks for the class tests and 60 marks for CIA tests and the total of 100 marks is calculated for every student and entered in the university web portal for the second, third and fourth entries. Once the entry is made at Anna University web portal, every student can login in to the portal and check his/her 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	Document
Any additional information	[View Document](#)

2.5.2

Mechanism of internal assessment is transparent and robust in terms of frequency and variety

Response:

The Institute is accountable to the stakeholders - students, faculty, alumni and the society. The evaluation processes are brought to the notice **(transparent)** of the students and faculty through the followings:

- On the orientation day, the first year students are made aware of the evaluation processes.
- At the commencement of the term students are notified about the criteria for evaluation of term work
- The university allots **80% marks for the end semester exams** and **20% internal marks**. The internal marks are based on the internal assessment tests conducted in the institution. Internal Assessment Marks, Attendance Percentage of the students are communicated to the student's parent through business **SMS.**
- Based on the class test performance and internal assessment test (CIA), the internal marks (20 Marks) are calculated. The weightage is 40 marks for the class tests and 60 marks for CIA tests and the total of 100 marks is calculated for every students and entered in the university web portal for the second, third and fourth entries. 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.

Internal Mark Calculation

Phase	Phase I	Phase II	Phase III	Internal Mark(20)
Cycle I	20	20	20	*(Phase I+ Phase II+ Phase III) * 20*
Cycle II	20	20	-	
CIA	60	60	100 converted to 80	**300**
Total	100	100	100	

File Description	Document
Any additional information	View Document

2.5.3

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

Response:

College level Grievance re-dressal mechanism:

At the college level, timetable for internal assessment tests are circulated to the students at the time of commencement of the semesters.

Class Committee Meeting is conducted for three times within a semester. In that students address their views with respect to academics, examination systems, infrastructure, hostels and transportation facilities.

Internal tests answer scripts are distributed by the subject staff to the students and the key is circulated / discussed to the students about the marks awarding mechanism.

The entire examination proceedings are overseen by the College Examination Cell which also takes up the responsibility of redressing the grievances if any.

Students can also approach to the Head of Department, Dean(Academics) & Principal in case of desired requirement.

Mechanisms

- Faculty Evaluation by students
- Faculty Evaluation by Dean Academics and Principal
- Yearly Appraisal by management for faculty members.
- University Question Feedback maintained in Exam Cell – Analysis given by the staff members handled the subject.

University level Grievance re-dressal mechanism:

- University follows a well laid out process and procedure for evaluation.
- A host of reforms has been implemented by the University to iron out the hardships for the students.
- Out of syllabus, mismatched values and any typo-graphical error in questions may be represented to the university after the examination within a day through Anna University web portal.
- Facility has been created by the Anna University for the Students to apply for photocopies of the answer scripts at a maximum of five subjects per semester. The photocopy of the answer script can be evaluated by the concerned subject staff and if there is a scope for passing, the staff and head of the department can recommend for revaluation. Even in the revaluation results if the students have failed they may challenge the evaluation, in case of discrepancies in the evaluation process, within one month. If the candidate gets pass in the challenge of paper, the amount is refunded to candidate's account by the university

File Description	Document
Any additional information	[View Document](#)

2.5.4

The institution adheres to the academic calendar for the conduct of CIE

Response:

The curriculum is framed in such a way that 45 periods for theoretical / practical subjects and 60 periods for problem oriented subjects. Anna University has given the academic schedule and assessment period at the beginning of the each semester. An Academic Handbook is prepared at the beginning of the academic year by the Institution for students and staff reference about the working days and assessment schedule at par with the academic schedule of Anna University, Chennai.

1. Before each Internal Assessment tests, two class tests also known as daily tests of 20 marks are conducted for the respective subjects to improve the study and writing skills of the students.
2. Based on the class test performance and internal assessment test (CIA), the internal marks (20 Marks) are calculated. The weightage is 40 marks for the class tests and 60 marks for CIA tests and the total of 100 marks is calculated for every student and entered in the university web portal for the second, third and fourth entries. Once the entry is made at the anna university web portal, every student can login in to the portal and check his/her 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	Document
Any additional information	[View Document](#)

2.6 Student Performance and Learning Outcomes

2.6.1

Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

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, 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 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. Senior faculty members are conducting seminar/meetings frequently in order to train faculty members to achieve the learning outcomes, POs. PSOs and COs. At the end of each Assessment, an analysis is made in the class and also in the class committee meeting to meet out the learning outcomes. During the interaction with the students in the class committee meeting, the course objectives and outcomes are emphasized by the chairperson of the meeting. The COs are displayed on

- Course Plan
- College website in Syllabus page
- Class work Notes
- Practical record

File Description	Document
COs for all courses (exemplars from Glossary)	[View Document](#)
Link for Additional Information	[View Document](#)

2.6.2

Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

The Institute follow the Outcome Based Education (OBE) approach where the Programme Educational Objectives (PEOs), Programme Specific Objective (PSO), Programme Outcomes (POs) for each program prescribed by Anna University, Chennai is followed and the Course Outcome (CO) for each course is achieved. PEOs define the capabilities, the graduates of the institute are expected to achieve over a period of their study while the POs define the capabilities of the students of a programme as expected to achieve at the time of graduation in line with the 12 Graduate Attributes prescribed by National Board of Accreditation, India. The learning outcomes (program outcomes) specifies the capabilities of graduating student in terms of knowledge, skills and attitude. The POs relate the attributes like knowledge of Maths, Science, Engineering Management skills, communication skills, use of modern tools, ethical behaviour, team work, project finance and management, lifelong learning. PEOs, PSOs and POs are made available to respective stakeholders by following means

- College website
- College calendar
- Department HoD Cabin

The POs are met through the attainment of course outcomes of all courses concerned with that programme. By attaining the POs, the PSOs are measured according to the weightage given by the University in 3 degree scale.

- The POs attained by the students in their course of study (4 years for B.E/B.Tech, 2 years for M.E/MBA, 3 years for MCA) are assessed through direct tools like University Examinations (UE), Continuous Internal Assessment tests (CIA), assignments(A) and also by indirect assessment tools like course exit survey and Alumni Survey.
- The theoretical papers cover most of the POs like knowledge of Maths, Science, Engineering Management skills, lifelong learning which are measured by the direct and indirect methods.

- The POs viz. communication skills, use of modern tools, ethical behaviour, team work, project finance and management are assessed through laboratory sessions, laboratory examinations, mini-projects, projects, seminars, presentations and co-curricular activities. The student societal activities are motivated through extra-curricular activities like Sports, NSS, RRC. Based on the CO, skills are assessed with appropriate performance criteria by the institute to assess the students when they work in laboratories, give presentations on their projects, submit written reports on any academic activity and participate in cocurricular and extra-curricular activities.
- For each PO, the related subjects are identified and the attainment is measured using direct and indirect methods by all the programs in all the semesters.
- The PO attainment is measured as follows
  - L3 : Very Good
  - L2 : Good
  - L1 : Average
  - L0 : Below Average

File Description	Document
Any additional information	[View Document](#)

2.6.3

Average pass percentage of Students

Response:

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

Response: 2485

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

Response: 3018

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Database of all currently enrolled students	[View Document](#)

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

Response:

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
2.11	0.17	1.25	0	0

File Description	Document
List of project and grant details	[View Document](#)
e-copies of the grant award letters for research projects sponsored by non-government	[View Document](#)

3.1.2

Percentage of teachers recognised as research guides at present

Response:

3.1.2.1 Number of teachers recognised as research guides

Response: 11

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

3.1.3

Number of research projects per teacher funded, by government and non-government agencies, during the last five year

Response:

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 10

File Description	Document
Supporting document from Funding Agency	[View Document](#)
List of research projects and funding details	[View Document](#)
Funding agency website URL	[View Document](#)

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

Response:

1. Initiatives for creations and transfer of knowledge.

Each department is having tie-up with professional bodies like IIPE (Indian Institute of Production Engineers), ENFUSE (Energy and Fuel Users Association of India), CSI, ISTE, ICTACT, NHRDN, Advt Club,Labview Academy, IEI, IETE etc. These student chapters and staff chapters encourage and help the students to meet senior and experienced engineers, who could guide them to build a career. They also impart scientific knowledge and education directed towards the advancement of the theory and practice of computer science and IT. The focus is to improve the quality of students passing out, to make them industry ready and immediately employable. The staff and the chapters involved assist and contribute in the production and development of top quality professional engineers and technicians needed by the industries and other organizations. They contribute to the national socio-techno economic development policies by promoting the advancement of the science and practice in different fields of engineering. Also maximize the effectiveness of energy and fuels use to the development of the industries. Similarly, they transform the way engineers and scientists around the world design, prototype, and deploy system for test, control and embedded design applications. In short the standard of engineering education improves to fulfill the emerging new opportunities by outside class room studies.

2. Initiatives for Innovations: ED Cell, IIIP Cell

The main purpose of the cells is to develop individuals across socio economic backgrounds with the courage to dream, the drive to make a difference, the ability in themselves, the perseverance to convert their thoughts into action and to prepare a pool of next generation entrepreneurs to the economic and social development of our mother nation. The members play vital role in the process of expansion by introducing innovations and demonstrating leadership qualities in the dynamic situation. Also educating and training students for developing industrial capabilities through positive training involvement. The

regular activities involve ED awareness camps, Business plan competitions, Campus/College Bazaar, Interactions with Entrepreneurs etc. In 16-17, 11 teams of I Year students have presented their START UP proposals. The institute has initiated offering online certification course and in the first phase 26 students received their I module certificates. This LEARNWISE course is ongoing with the support of EDII, Tamilnadu. Now the institute is selected under PM YUVA Yojana scheme to enhance ED education and the phase I faculty training is scheduled during 10 to 15.10.2017. Few students as entrepreneurs have become successful and help the ED cell to increase this number. Also a team of 06 students, 01 Faculty mentor and 01 external mentor successfully participated in the Smart India Hackathon 2017 under the Ministry of NCPCR (National Council for Protection of Child Rights) to develop an mobile app to file and monitor complaints regarding school infrastructure. The purpose of Industry Institute Interaction and Partnership cell (IIIPC) is developing close links between Industry-Institute by interaction programs, identifying thrust areas & Implementing R&D programmes, sponsored and joint R&D projects with industries, encourage training of students in Industries, Industrial Visits for the students and faculty, encourage Industry to collaborate in Industry Study Tour Programme (ISTP) / Intern-ship Programme, organizing seminars, symposiums, exhibitions and workshops with industrial participation, identifying consultancy opportunities with industry to generate income, collaborating with other societies (National and International) having similar objectives, create industries - institute database and Curricula - pedagogy improvements in line with the industry's requirements.

3. **Initiatives for Incubation Center**

In order to strengthen the efforts the institute has applied for Atal Incubation Center, under NITI Aayog with tie ups of successful entrepreneurs from the institute. The focus field is Agriculture and Allied marketing, Building Materials/Construction Technology, Electricity and Renewable Energy and Environment Sustainability, Manufacturing and Engineering.

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

3.2.2

Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

Response:

3.2.2.1 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
38	27	18	20	26

File Description	Document
Report of the event	[View Document](#)
List of workshops/seminars during the last 5 years	[View Document](#)

3.3 Research Publications and Awards

3.3.1

The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response:

File Description	Document
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)

3.3.2

The institution provides incentives to teachers who receive state, national and international recognition/awards

Response:

File Description	Document
List of Awardees and Award details	[View Document](#)
e- copies of the letters of awards	[View Document](#)

3.3.3

Number of Ph.D.s awarded per teacher during the last five years

Response:

3.3.3.1 How many Ph.Ds awarded within last five years

Response: 7

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	[View Document](#)
Any additional information	[View Document](#)

3.3.4

Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response:

3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
100	89	80	41	43

File Description	Document
List of research papers by title, author, department, name and year of publication	[View Document](#)

3.3.5

Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years

Response:

3.3.5.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
100	49	78	22	29

File Description	Document
List books and chapters in edited volumes / books published	[View Document](#)

3.4 Extension Activities

3.4.1

Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

Response:

The college encourages the faculty and students to initiate, participate and implement the programs which contribute to societal awareness of students in various issues. There are different student clubs/associations in the college like National Service Scheme (NSS), Youth Red Cross (YRC) and Red Ribbon club (RRC), Yoga club, Rotaract club monitored by faculty coordinator. The activities of the institute social outreach programs include organization of awareness programs (for environment, water conservation, rain water harvesting etc), Polio awareness programs, blood donation camps, educating rural populace, educating school children for the development of soft /analytical skills/career guidance, etc.

The college has two NSS Units and it conducts different activities. These are in tune with the activities of Anna University, Chennai. It is also active in organizing activities which address societal problems. A.V.C College of Engineering adopted five villages **Kalahasthinathapuram, Madapuram , Mudikandanallur, Pallavarayanpettai and Kazhukanimuttum** from 2012-2017. The following programmes were conducted for the villages to improve their standard of living, basic needs and hygienic way of living. The 100 NSS Volunteers split into five groups and the group students are guided, coordinated and helped by the villagers.

Programmes.

- Renovated and cleaned work of Temples, Roads and Water tanks.
- Tree plantation.
- Organized Yoga and Meditation Classes.
- Conducted Medical Camp for Diabetic, Audiology, ENT, Dental, Gynocology and General Medicine.
- Organized Training programmes for women's self help group for DTP work and Mushroom growth.
- Census taken for Educations and Economic status of village people.
- Organized awareness Program for AIDS, Blood Donation, and Eye Donation Etc.,
- Organized awareness Program for the importance of Natural Agriculture.
- Conducted Rain Water Harvesting Rally Programme.
- Organized Training programmes for women's self help group for Tanjur painting, Stone work, Pith work, Renewable Energyand Mushroom growth.
- Organized Blood Donation Camp.

By engaging the students in these activities, their social outlook is enhanced and these activates sensitize the students in social upheavals, need of poor people living in villages, their living standards and expose them to social inequalities existing in the society and ignites their minds to act and engage themselves in the development of the society in a sustainable way.

In order to sensitize the students about the need of road safety and make them to adopt safe driving practices, First aid and road safety awareness program was conducted regularly with expert lecture delivered by Transport department officials. A separate driving license camp have been conducted every year to willing students to help them to give hands on training in driving two wheelers and four wheelers and for obtaining driving license for them.

The college students are involved in creating awareness by celebrating National Voters Day, Earth

Saving Awareness Rally, World Tree Plantation day etc.,. expose them to the fundamental rights of every citizen and evokes environmental consciousness of the students. Two Ponds located at Mannampandal Village and Mungilthottam Village were cleaned and dredging by students during dry season makes them to understand the need of water conservation and imparts the necessity of water management of rivers and ponds.

The Youth Red Cross (YRC) and Red Ribbon club (RRC) of the college is arranging a number blood donation camps throughout the year to inculcate the habit of donating blood to the needy people and people in emergency situations. The students of this college donated more than 4989 units of blood since the year 2003.

File Description	Document	
Link for Additional Information	[View Document](#)	

3.4.2

Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years

Response:

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

2016-17	2015-16	2014-15	2013-14	2012-13
1	0	2	1	1

File Description	Document
Number of awards for extension activities in last 5 years	[View Document](#)
e-copy of the award letters	[View Document](#)

3.4.3

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 last five years

Response:

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., year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
15	19	19	14	33

File Description	Document
Reports of the event organized	[View Document](#)
Number of extension and outreach programs conducted with industry,community etc for the last five years	[View Document](#)

3.4.4

Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response:

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
325	297	274	325	276

File Description	Document
Report of the event	[View Document](#)
Average percentage of students participating in extension activities with Govt. or NGO etc.	[View Document](#)

3.5 Collaboration

3.5.1

Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

Response:

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
26	21	19	20	18

File Description	Document
Number of Collaborative activities for research, faculty etc.	[View Document](#)

3.5.2

Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

Response:

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

2016-17	2015-16	2014-15	2013-14	2012-13
0	3	1	0	0

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	[View Document](#)
Details of functional MoUs with institutions of national, international importance,other universities etc. during the last five years	[View Document](#)

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.

Response:

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 etc.

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. Each department has tutorial classrooms to conduct tutorial classes for the problem oriented subjects to improve the performance of slow learners. The Institution has an exclusive language lab equipped with audio, video facility which helps students to develop their communication skills. The institution policy is to provide the entire infrastructure required for the students in terms of library resources, software and 50 mbps Wi-fi facility. The library is equipped with software for issue and return of books, DELNET is made available for both staff and students. For self learning, latest books, journals, magazines, e-journals available in central library. Apart from the central library, each department has a separate departmental library with reference and text books. Totally 681 computers on the campus are connected to internet through LAN. Internet and Intranet facilities are available for free to both students and faculties. This can be used for any academic as well as research work.

Every department conducts seminars, workshops and technical contests in areas concerning their programmes to strengthen the theoretical and practical knowledge of the students. The institution also provides opportunities for developing technical skills, updating knowledge, personality development and service to the society through the professional societies and associations. The Institution provides funds

and facilitates to conduct these activities for the benefit of our students. The training and placement cell of the college arranges soft skill and communication skill development courses to the students every year for their career development and also arrange the campus pool drive with the MNCs and well esteemed concern for student's employability.

A well equipped big Medical center is available in the campus with a Doctor on regular visit. College has its own Ambulance. To accommodate the students coming from distant places, the college has one boys and two girls' hostels. Transportation facilities are also provided to students and staff using 20 buses. Indian Bank and Union bank ATM facilities are also available in the campus. Other facilities include clean drinking water with 3 RO systems, canteen, store, girls and boys rest room, women's rest room, telephone, sports room and Gymnasium are available in campus. Institue ensures 24 x 7 security with 18 security personnel and CCTV cameras.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

4.1.2

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

Response:

Facilities for Sports Activities

AVC College of Engineering has 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 Department of Physical Education of A. V. C. College of Engineering is headed by Physical Education Director and is assisted by Marker. 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 .The ground has many sports facilities like Basketball, Ball Badminton, Cricket, Football, Handball, Kabaddi, Volleyball and Athletic track. 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. Specialized coaches are appointed to train the students participating in various zonal, all India and Inter-university level tournaments. An International Standard multipurpose indoor stadium is under construction.

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. Inter house tournaments are conducted in the following sports and games. Volleyball (Men &Women), Cricket (Men), Basketball (Men &Women), Table Tennis (Men &Women),

Chess (Men &Women), Badminton (Men &Women), Ball Badminton (Men &Women) and Athletics (Men &Women). In the annual sports day function, the price winners were honored with medals and cups.

The department also 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 Management of A. V. C. College of Engineering defrays the cost of T.A and D.A of those students who have participated in the Anna University Zonal and Inter Zonal and other inter collgiate tournaments. The management is highly interested in encouraging and honoring outstanding sportspersons every year by cash award.

Facilities and promotion of Cultural Activities

The College gives equal importance to sports as well as cultural activities. Students participate in various inter and intra college cultural. Extracurricular activities are conducted through various societies. Well equipped separate auditorium (PEKAK HALL) with all facilities like fine stage, Speakers, Micro phones, Projectors, musical instruments etc are utilized for the cultural activities. Students are given separate rooms for their cultural practices. Separate Cultural committee with a staff as Cultural coordinator and staff members from each   department as team members are working for the benefits of the students. Regular meetings will be conducted and the opportunities will be spread out for enhancing the cultural thirst of the students providing the path in various fields.The college also conduct intra college cultural competitions which include dance (Classical, Western, Folk), rangoli competitions, oratorial competition, essay writing, painting. Merit Certificates will be distributed on the college day. The college ensures Fine Arts Club association with regular celebrations of culturals during Independence Day, Republic day, Womens day celebrations, Pongal festival etc. The students have won various prizes and medals in various competitions. Our college students are participating in various TV shows, AIR programmes and expand their opportunities.

File Description	Document
Any additional information	[View Document](#)

4.1.3

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

Response:

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 35

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document
any additional information	View Document

4.1.4

Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response:

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
445.09	507.09	249.64	117.89	174.32

File Description	Document
Details of budget allocation, excluding salary during the last five years	View Document
Audited utilization statements	View Document

4.2 Library as a Learning Resource

4.2.1

Library is automated using Integrated Library Management System (ILMS)

Response:

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 **IEEE, ASME, DELNET, Ndigital, 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	Document
Any additional information	[View Document](#)

4.2.2

Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment

Response:

As a "Power House of Knowledge", our Library was established in 1996 and follows open access system for our users. Library is using AutoLib Software for Library administration.*The Central Library has 37840 volumes of books in 15405 titles on different disciplines covering all major fields of Engineering, Technology, Science and Humanities. The MBA Library has 8213 volumes of books in 4069 titles on Management Studies. The MCA Library has 9185 volumes of books in 3597 titles on Computer Applications. For the year 2016-17 our Library subscribes 151 journals. The back volumes of journals are available as bound volumes for user's reference. LAN facility is available to access e-journals and e-resources in the campus. We can access e- books, NPTEL video lectures through our Digital Library. The library also having Educational Audio & Video cassettes, CD ROMs, Back volumes. In addition to the central Library each department is maintaining its their department library effectively. A good collection of reference books is available for all competitive examinations which include GATE, Civil Service Exam, UGC NET/SET, TOEFL, GRE,GMAT,IELTS and similar exams. We are also using the resources from National Digital Library. We subscribing the following e resources IEEE,ASME, DELNET,DELNET ProQuest, ICTACT, and Ndigital. Every year we purchase books as per Anna university syllabus. Apart from the engineering books we also have books in the areas of

- Communication
- History
- Personality Development Books
- Competitive Examination
- Soft skill development
- Regional language literature oriented books
- Hand books
- Encylopedias
- Code books ,etc.

File Description	Document
Any additional information	[View Document](#)

4.2.3

Does the institution have the following:

    1. **e-journals**

    2. **e-ShodhSindhu**

    3. **Shodhganga Membership**

    4. **e-books**

    5. **Databases**

Response:

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	[View Document](#)
Any additional information	[View Document](#)

4.2.4

Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

Response:

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
27.68	24.29	13.78	13.75	11.55

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	[View Document](#)
Audited statements of accounts	[View Document](#)

4.2.5

Availability of remote access to e-resources of the library

Response:

File Description	Document
Details of remote access to e-resources of the library	[View Document](#)
Any additional information	[View Document](#)

4.2.6

Percentage per day usage of library by teachers and students

Response:

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 91

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

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities including Wi-Fi

Response:

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 50 MBPS internet connectivity with wi-fi connections, 681 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. In past five years 258 new computers were purchased apart from other computer pheripharals and application softwares for a total cost of 112 lakhs

LAN facility

- LAN speed is upgraded from 100 MBPS to 1 GBPS

Wi-fi facility

- Wi- Fi Upgrade from 16 MBPS to 50 MBPS on 09.04.2012.
- BSNL Net Upgrade from 16 MBPS to 50 MBPS on 01.03.2016.
- Original License is purchased on Auto Cad 2017.

File Description	Document
Any additional information	[View Document](#)

4.3.2

Student - Computer ratio

Response:

File Description	Document
Student - Computer ratio	[View Document](#)

4.3.3

Available bandwidth of internet connection in the Institution (Lease line)

Response:

File Description	Document
Details of available bandwidth of internet connection in the Institution	[View Document](#)
Any additional information	[View Document](#)

4.3.4

Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response:

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	[View Document](#)
Link to photographs	[View Document](#)

4.4 Maintenance of Campus Infrastructure

4.4.1

Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response:

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
23.37	19.00	19.81	21.87	34.01

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	[View Document](#)
Audited statements of accounts.	[View Document](#)

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.

Response:

Purchase:

Every year, funds are allocated towards the purchase of materials and equipments based on the Annual Budget prepared and approved by the BOM Meeting 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 Secretary for approval. If the estimated cost is below 20,000/-, It will by approved by

the Secretary. If the estimated cost exceeds 20,000/-, It will be placed in the BOM Meeting for approval.

Based on the requirements and specifications of materials, 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 BOM Meeting for supplying the materials without compromising the quality.

After obtaining the approval from the BOM, 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 Project 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. All the House Keeping works are carried out by the House Keeping wing. By following the above said procedure for the purchase of equipments and materials, the maintenance work will be carried out by the above said maintenance departments effectively. Separate office infrastructure for processing all the requirements raised by the academic and supportive departments is available. The Principal, Director, Dean (Administration) and Dean (Academics) are ensuring the effective utilisation of physical, academic and support facility.

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response:

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1062	1328	1145	966	808

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	[View Document](#)
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	[View Document](#)

5.1.2

Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response:

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
8	25	21	48	48

File Description	Document
Number of students benefited by scholarships and freeships besides government schemes in last 5 years	View Document
Any additional information	View Document

5.1.3

Number of capability enhancement and development schemes –

      1. For competitive examinations

      2. Career counselling

      3. Soft skill development

      4. Remedial coaching

      5. Language lab

      6. Bridge courses

      7. Yoga and meditation

      8. Personal Counselling

Response:

File Description	Document
Details of capability enhancement and development schemes	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4

Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response:

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1050	1006	1008	798	868

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document

5.1.5

Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

Response:

5.1.5.1 Number of students attending VET year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
150	158	102	60	60

File Description	Document
Details of the students benifitted by VET	View Document

5.1.6

The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

Response:

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression

5.2.1

Average percentage of placement of outgoing students during the last five years

Response:

5.2.1.1 Number of outgoing students placed year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
336	243	259	102	226

File Description	Document
Self attested list of students placed	[View Document](#)
Details of student placement during the last five years	[View Document](#)

5.2.2

Percentage of student progression to higher education (previous graduating batch)

Response:

5.2.2.1 Number of outgoing students progressing to higher education

Response: 12

File Description	Document
Details of student progression to higher education	[View Document](#)

5.2.3

Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response:

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) year wise during last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
5	3	7	1	1

5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
33	27	42	23	18

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document

5.3 Student Participation and Activities

5.3.1

Number of awards/medals for outstanding performance in sports/cultural activities at national / international level (award for a team event should be counted as one) during the last five years.

Response:

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

2016-17	2015-16	2014-15	2013-14	2012-13
0	1	0	0	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document
e-copies of award letters and certificates	View Document
Any additional information	View Document

5.3.2

Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

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.

The following Technical Associations/Chapters are functioning in our college to cater to the development of students' technical skills. These associations /chapter are guided by faculty advisors and students are willingly joining as members. The student representatives are managing the various activities of these in different capacities which expose them to various leadership roles.

1. Computer Society of India (CSI)
2. Institution of Electrical and Electronics Engineering (IEEE)
3. Indian Institute of Production Engineers (IIPE)
4. Energy and Fuel users Association of India (ENFUSE)
5. Institution of Electronics and Telecommunication Engineering (IETE)
6. Institution of Engineers India (IEI)
7. Indian Society of Technical Education (ISTE – Student Chapter)

The following venues are available for the students to enhance their Extra Curricular Activities and expose them to Extension activities in the neighbourhood community and sensitising students to social

issues and leads to their holistic development. The students are taking leadership roles in arranging all the programmes under these forums.

1. National Service Scheme (NSS)
2. Youth Red Cross (YRC)
3. Red Ribbon Club (RRC)
4. Rotract Club (RC)
5. Fine Arts Club(FAC)
6. National Sport Organization (NSO) -Sports Committee
7. Yoga Club(YC)

To ensure quality assurance in various processes of the institution, the following Quality Monitoring Bodies/Cells are functioning in the college. All these cells are having student representatives. The students' views and their requirements are given due importance to ensure quality in delivery of all the processes.

1. Internal Quality Assurance Cell (IQAC)
2. Industry Institute Partnership Cell (IIP Cell)
3. Research and Development Cell (R&D)
4. Training and Placement Cell (T&P)
5. Quality Improvement Cell (QIC)
6. Anti Ragging Committee (ARC)
7. Grievances and Redressal Cell (G&R)
8. Women Development Cell (WDC)
9. Entrepreneurship Development Cell (EDC)
10. Class Committee (CC)
11. Library Committee (LC)
12. Department News Letter Committee (NLC)
13. Alumni Association (AA)
14. Hostel Committees

5.3.3

Average number of sports and cultural activities/ competitions organised at the institution level per year

Response:

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
7	5	6	6	6

File Description	Document
Report of the event	View Document
Number of sports and cultural activities / competitions organised per year	View Document

5.4 Alumni Engagement

5.4.1

The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

Our Alumni Association contributes in the form of Alumni Guest Lectures and Invited Talk conducted by the departments for our students, Alumni Interaction with juniors for their placement, higher studies etc., Value Added Training Programmes for juniors conducted by alumnus and every alumnus contributes Rs.500/- as membership fee for the Alumni Association.

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.

Donate books to department library. Act as ambassadors of the college, resulting in increase in the admission. Interactive sessions in providing guidance regarding higher studies, competitive exams and placement for juniors.

Office Bearers

Position	Name	Branch & Passed out Batch
President	Mr.A.Arulmurugan	CSE 2001
Vice-President	Mr.P.Raja	MBA 2005
Secretary	Mr.V.Harikrishnan	MCA 2004
Joint-Secretary	Dr.S.Sureshkumar	Mech 2001
Treasurer	Dr.S.Balasubramanian	Principal for Cheque operations
Executive Committee Members	Dr.S.S.Karthikeyan	ECE 2001
Executive Committee Members	Mr.B.Vinoth	IT 2010
Executive Committee Members	Mr.S.Tamilvendan	CSE 2010

Executive Committee Members	Mrs.H.Prabavathi	CSE 2003
Executive Committee Members	Mr.K.Arulselvan	ICE 2010
Executive Committee Members	Mr.R.Purushothaman	Mech 2012
Executive Committee Members	Mrs.C.Jayasri	ECE 2005
Executive Committee Members	Mr.S.Senthilnathan	ECE 2009

File Description	Document
Link for Additional Information	[View Document](#)

5.4.2

Alumni contribution during the last five years(INR in Lakhs)

Response:

File Description	Document
Any additional information	[View Document](#)
Alumni association audited statements	[View Document](#)

5.4.3

Number of Alumni Association / Chapters meetings held during the last five years

Response:

5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	1	1	1

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	[View Document](#)
Any additional information	[View Document](#)

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

College Vision

- To blossom into a cynosure of technological innovations.

College 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 poor students.

Quality Policy

- To shape a healthy student who is physically, mentally, spiritually and socially strong to face the ever growing challenges of the academia, industry and society.

Quality Policy Focuses on:

1. **Infrastructure** : Establishment of the state – of –the art laboratories and facilities to offer scientific research and need based training to meet the global needs of the industry.
2. **Curriculam**: Accomplishment of innovative teaching learning process of the students to meet the advancement of contemporary society.
3. **Student**: To strengthen the inherent skills and talents for the proficient education to congregate the current global trend.
4. **Faculty**: To provide the scope for continuous quality improvement to fulfill the ever growing needs and challenges.
5. **Society and Industry**: To enthusiastically involve in industrial and social development activities.

The governing body is very active and effective in providing strategic direction to the institution. The body meets every year and reviews the institution's performance in terms of enrollment, curriculum, infrastructure, placements, staffing, admission procedures, as well as any other pertinent aspect influencing the conduct of the institution.

In terms of decision-making, there are two channels. Strategic decision making occurs at Governing Board level as this influences the entire organisation. This requires a longer time cycle. Operational decision making occurs at the Director level, with feedback provided by academic and administrative staff members. This requires a shorter time cycle. The two decision-making aspects are tightly woven and scrutinised and reported systematically at various committee levels.

A.V.C.College of Engineering was started in the year 1996 committed to social welfare. The founding father, Sri. S. Ramalingam Pillai sowed the seeds of A.V. Charities in 1806. A.V. Charities began its educational services by starting the A.V.C [Autonomous] College in 1955, extended their horizon to A.V.C. Polytechnic in 1983 and in 1996 by opening the Engineering College. The A.V.C. Educational Institutions are managed by a Board of Management, Comprising:

S.No	Name	Designation
1.	Dr. N. Vijayarangan, M.D.,	Chairman I/c
2.	Mr. K. Karthikeyan, M.C.A.,	Secretary & Treasures I/c
3.	Mr. J. Manikandan, B.E.,	Member
4.	Mr. S. Jayakumar, M.A., B.Ed., MLIS., M.Phil	Member
5.	Mr. P. Sundaresan Pillai	Member
6.	Mr. M. Rajasekaran, DME.,	Member
7.	Mr. G. V. Raghavan, B.Com	Member
8.	Mr. N. Gnana Sundar, B.A.,	Member
9.	Mr. G. Mahesh, B.Sc.,	Member
10.	Dr. S. Balasubramanian, M.E., Ph.D.,	Principal

To monitor and advise institute on academic matters, the institute has a Governing Council comprising educationists, meeting once a semester.

The composition of the Governing Council is as follows:

S.No	Name	Designation
1.	Dr. N. Vijayarangan, MBBS, M.D	Chairman
2.	Dr. S. Balasubramaniyam, M.E., Ph.D	Member Secretary
3.	Thiru. K. Karthikeyan, MCA	Member
4.	Dr. S. Sivanesan, Dean, ACT, Anna University, Chennai 600 025	Member (University Nominee)
5.	Prof. R. Kasinathan, Director, Abirami Academy, (A School of Skill development), Puducherry	Member (Educationalist)
6.	Mr.K.Jayaraj, Managing Director, ASA Diagnostics, Chennai	Member (Industrialist)
7.	Mr. Jayakumar Ramadass, MD, Submersible Pumps Pvt Ltd, Mahendra Spinning Mills Pvt Ltd, Coimbatore	Member (Industrialist)
8.	Mr. M. Sundaresan, Director, SRO, AICTE, Chennai	Member (AICTE Nominee)
9.	Thiru Praveen Kumar, I.A.S.,	Member (DOTE Nominee)

	Commissioner of Technical Education, DOTE, Chennai	
10.	Prof. G. Pradeep, Dean [Academics] , AVC College of Engineering.	Member (Professor)
11.	Mr. B. S. Satish Kumar, Asso. Prof/ECE, AVC College of Engineering.	Member (Associate. Professor)

File Description	Document
Link for Additional Information	[View Document](#)

6.1.2

The institution practices decentralization and participative management

Response:

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 and administrative head responsible for providing direction, leadership and for the day to day functioning of the Institute and the Director, Vice Principal and Deans are the functional head responsible for the conduct of academic programs and processes within the broad framework of its Mission, Vision, strategic objectives and goals and the guidelines issued by the Governing Board 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 functional heads of various areas and activities do similarly operate independently in their respective domains within the framework of clearly defined expectations reflected in the Institutional objectives. The Principal thus delegates his administrative authority Director, Vice Principal and Deans for the effective discharge of multifarious activities and the Dean delegates the academic functional authority to the head of department and other faculty members. This results in delegation of functional and administrative authority percolating down to the faculty members creating professional autonomy through this enmeshed structure.

The department heads have both academic and functional autonomy. HoDs and Principal are given imprest amount by the management so that they can use it for any expenditure in their department/institute and is replenished once a month. As far as academic aspects are concerned, the HoDs are permitted to take routine decisions in accordance with the situations in exigencies and get it ratified by the Principal later. Also to impart the decentralization in all spheres of places the college has

identified the second rung of leadership, and these leaders are given opportunities by the management to develop their skills and competencies in leadership and groom their team. These leaders as a cohort attend leadership conclave of the parent body and undergo training and are exposed to talks by motivational leaders as well as interact with other leaders of the organization.

Regarding Participative management, Major decisions like AICTE, NBA, NIRF, ISO related tasks are usually taken after brainstorming and by consensus.

Once a decision is taken, the implementation is done by a succession of officers/ faculty. Transparency in academic administration is achieved through well-defined roles and objectives, professional practices and processes communicated to all faculty members and students respectively. All academic programs and processes including the respective roles of faculty members and Deans are guided by the provisions of Academic Manual, Faculty guidelines and circulars issued from time to time. Modifications to the academic policies, programs and processes as deemed necessary, are carried out after due deliberations and debate at the faculty body meetings.

File Description	Document
Any additional information	[View Document](#)

6.2 Strategy Development and Deployment

6.2.1

Perspective/Strategic plan and Deployment documents are available in the institution

Response:

Strategic Plan

Based on the SWOC analysis, the strategic plan was prepared. Accordingly, some of the broad objectives for the next 5-10 years are identified as follows:

- To enhance doctoral research by giving fellowships to PhD students.
- To carry out sponsored research projects from industry leading to innovation in products and services.
- To establish Technology Business Incubators (TBIs) on the campus.
- To increase consultancy services.
- To introduce entrepreneurship development programmes and motivate students to become entrepreneurs.
- To enhance training programmes and continuing education programmes for industry and academia.
- To start five-year integrated M. Tech programme.

Specific Objectives

Based on the above Strategic Objectives, and then went on to derive following Specific Objectives for the next three years.

- To admit 10 full-time doctoral students every year in various disciplines by giving them fellowships.
- Each Department will seek funding support for research work from agencies like DST, UGC, AICTE, DBT, CSIR, etc.
- Each Department will take at least one collaborative R&D project/ consultancy project from industry.
- To involve M. Tech and doctoral students in various projects.
- To involve 3rd year and final year UG students in the above projects.

The Institute has a perspective plan for development. It is developed by the Principal with the help of HoD's under the guidance of the Board of Management. Based on the academic schedule given by the affiliating university, academic calendar is prepared by the Planning Committee. The academic calendar includes the list of pre- planned programs of various departments and examination schedules prepared with the knowledge of HOD's. To ensure development of the Institute, all the planning and execution is monitored regularly. Provision of adequate annual budget is the part of the development plan. The aspects to be included in the perspective plan will be drawn from the following committee recommendations with priority

- Board of Management
- Local Management Committee
- IQAC
- Head of Department
- Entrepreneurship Development Cell
- Alumni Association
- Research & Development

Perspective plans of the Institute

- Autonomy
- Improving the number of MoUs with industries, national and international organizations

File Description	Document
Strategic Plan and deployment documents on the website	View Document
Link for Additional Information	View Document

6.2.2

Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism

Response:

Board of Management:

- The members of Board of Management (BOM) are selected by the Scheme Court (Principal Subordinate Court of Mayiladuthurai) as per the bylaws of A.V.C Education Committee registered under Society Registration Act in Mayiladuthurai Sub registry. The Office bearers of the Board of Management are elected by the members of BOM. The office bearers are Chairman, Secretary and Treasurer. The Principal of the institution is an Ex-offico member of the BOM.

Governing Body Council:

- The Governing Body Council consists of Chairman, Member Secretary (Principal) and 10 other members. Annual budget and Annual audited statement of accounts are reviewed and recorded in the Governing Council Meeting. Appointments made as per the recommendations of Staff Selection Committee are also ratified in this Meeting. The letter received from the AICTE and Anna University regarding approval and Affiliation of UG and PG Programme are recorded in the Governing Council Meeting.

Administrative Setup:

- Board of Management, Secretary of BOM (Correspondent), Principal, Director (Administration), Dean (Administration), Dean (Academics), Academic Council consists of Heads of Various Departments. They constitute the overall administrative setup of the Institute.

Recruitment:

- Advertisement in the Newspaper, receipt of application from the candidate, scrutinized by the Department HoDs concerned for eligiblity, called the candidate for interview, interviewed by the staff selection committee and the selected candidate is approved in the BOM Meeting.

Grievance Redressal:

1. **Students Grievance Redressal** - Students can raise their grievance to the top management through mail (feedback@avccengg.net) and suggestion box. Students also raise the grievances through Class committee meetings, faculty student feedback in the Department level.
   Students can also record the grievances in Grievance Redressal Cell (GRC).
2. **Staff Grievance Redressal :** The faculty members can raise their grievance to the top management through mail (feedback@avccengg.net) and written communication through proper channel.

Service Rules:

1. The staff members themselves work honestly, efficiently and diligently.
2. The staff members should not absent from duty without prior permission of his/her superior officers.
3. The staff members shall devote whole time in the institution to discharge their duties.
4. Appointment of any staff, except on contract, shall be considered as temporary for a period of

one year.

5. After one year of service, the staff shall be kept on probation for a further period of 2 years.
6. If any staff member wants to resign, he/she has to give 3 months notice or three months salary in lieu of notice.
7. The secretary shall have the right to place any staff under suspension in case of misconduct.
8. The secretary shall have the power to terminate the services of a member of the staff from the college.
9. The staff members are prohibited to use cell phones within the campus.

Promotion Policy

The faculty promotion to various cadres are implemented based on the criterions as per AICTE Career Advancement Scheme (CAS) recommendations.

Function of various bodies:

1. Academic Council
2. Governing Council
3. Board of Management

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

6.2.3

Implementation of e-governance in areas of operation

1. **Planning and Development**
2. **Administration**
3. **Finance and Accounts**
4. **Student Admission and Support**
5. **Examination**

Response:

File Description	Document
Screen shots of user interfaces	[View Document](#)
ERP Document	[View Document](#)
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	[View Document](#)

6.2.4

Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

There are three major important bodies functioning to impart quality, development and monitoring the various process. The various bodies are governing council, IQAC and academic council. The functions of these bodies are as follows.

Governing Council

- Approves new UG, PG and Research programmes to meet the demand of the society and industry and further approval and affiiation process .
- Takes policy decision regarding Extension of approval and additional intake of existing programme with AICTE.
- Decides policy decisions regarding qualiyty improvement initiatives like ISO certification, accrediation with NAAC and NBA.
- Ratifies thei mportant policy decisions proposed by the Board of Management and Academic Council.

IQAC

- Monitor the effective implementation of Programme Educational Objectives, Programme Outcomes, Programme Specific Outcomes, Course Objectives and Course Outcomes as per the accreditation standards.
- Proposed a plan of action for the academic year under academic, research improvement, industry institute interaction and student progression. Also monitor and measure the outcome achieved at the end of the year.
- Proposed plan of action in the beginning of the year towards other quality enhancement initiatives, monitors and measure the outcome achieved at the end of the year.
- Regularly contribute, monitor and evaluate the Teaching & Learning process.
- Initiatives various activities in sensitizing and promoting Research Climate in the institution.
- Initiate awareness about Student Support Services.

Academic council / Advisory body

- It regulates the teaching and learning process.
- It impart discipline among the students.
- Contribution for the internal exams.
- Initiate various student performance strartegies in the end semester University examinations.
- Initiating various student development programs.
- Proposes and monitor the execution of co-curricular and extra curricular activities calendar.

Example Activities

Governing Council

Welfare measuring activity has been implemented from 1 st March 2013 onwards for faculty members. In addition to that new M.E courses viz CSE, ECE has been offered in the institution for the benefits of student in order to enhance more knowledge through the higher education. Governing council frame the policies which are to be followed in the institution.

IQAC

IQAC lead to get quality and assurance in the institution. Lot of seminars, conference and symposium are organized for the benefit of students as well as faculty members. Various awareness programs are organized . It contributes innovative remedial mechanism to implement and recommend practices for inter discipline publications.

IIPC is formed in December 2016 in order to reduce the gap between industry and institute and also to enhance more practical knowledge through the industries in the way of various aspects viz industrial visit, inplant training and the internship for the students. This will lead to prepare the students to cope for the current industry requirements and recent developed technologies.

Acadmic Council / Advisory body

Academic council initiates all the departments to conduct additional short term certificate courses related to the student placements. This ensures improved placement of students in the academic years 2015-16 and 2016-17.

File Description	Document
Any additional information	[View Document](#)

6.3 Faculty Empowerment Strategies

6.3.1

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

Response:

The following welfare measures have been provided to the Teaching and Non-Teaching staff members.

1. Employee is provident Fund (EPF):

All Staff members are entitled to EPF. The contribution by the Management is either 12% of the Basic pay or Rs.1800 whichever is minimum. and the contribution by the individual is 12% of the Basic payor Rs.1800 whichever is minimum as mandatory by the EPF Office. This individual's contribution has been recovered from their salary account and along with management contribution, the total amount will be remitted to the EPF Office every month.

2. LIC Pension Scheme:

Jeevan Nidhi LIC Pension Scheme is available to the willing staff members for a sum of Rupees one lakh. The monthly premium amount is shared by Staff and Management on equal share basis.

3. Staff Group Insurance:

LIC New Term Group Insurance Plan is available to all staff members . In case of unfortunate death of a member, a lump sum (Sum Assured) shall be paid. The yearly premium amount is shared by Staff and Management on equal share basis.

4. Medical Claim:

Staff who has completed the service of two years is eligible for the claim. The Maximum reimbursement of hospital expenses is Rupees one lakh for the entire service and minimum claim is Rs.10,000/-. The inpatient expenses is only eligible for medical claim.

5. Loan:

College extends Vennillai Loan Scheme of MCU Bank for willing staff members.

6. Privilage Leave (PL) Encashment

The privilege leave can be encashed once in two years or at the time of leaving the institute. Maximum period of encashment at a time is 120 days. The encashment amount is calculated based on salary pay claim per day.

7. Casual Leave (CL) Encashment

The unavailed CL will be encashed based on 50% of salary pay claim per day.

8. Publication Incentives:

Publications incentives are provided to faculty for publishing journal articles in National and International Journals to the tune of Rs.2000 and Rs.4000 respectively recommended by publication incentive scrutiny committee based on the laid down norms.

9. Festival Advance:

Interest free Deepavali Advance is given to staff members @ Rs.5000 each or one month pay whichever is less and the same had been recovered in 10 equal installments from their salary.

10. Pongal Bonus:

Pongal Bonus is paid to all the Staff members. For staff members those who are having less than 2 years service will be paid Rs.750/-, with 2 to 3 years of service will be paid Rs.1000/- and above 3 years of service will be paid Rs.1250/-

11. TA & DA:

TA and DA is provided to the Faculty members for attending workshop, FDP and Seminar and conferences.One way air fare is paid to the faculty members for attending overseas conferences.

12. Medical Camps

Medical camp is provided every year for the purpose of health monitoring for teaching, non teachning and students.

13. Other Incentives:

Incentive will be paid to the faculties for obtaining funds from the Funding Agencies at the rate of one percent of fund obtained.

.**Leaves:**

1. Casual Leave (CL) :

Faculty members are allowed to avail CL of 12 days per calendar year (From January to December)

2. Privilege Leave (PL) :

For staff members 10 days of PL will be credited every year in Employee Leave Account, after 3 years of continuous service.

3. Marriage Leave:

For staff members 5 days of leave will be provided with full pay subjected to approval by Principal after producing the marriage invitation.

4. Maternity Leave:

For staff members 2 Months maternity leave will be provided with full pay for the First issue only, after completing one year of service.

5. Spl. Leave (Demises)

For staff members having less than 3 years of service, 5 days leave will be provided to take care of casualty of their blood relation. For others PL will be provided for the same.

6. CCL (Compensation Casual Leave)

If the staff members worked on Sunday or National Holidays, it will be considered as CCL.

7. Medical Leave

Medical leave would be sanctioned to the teaching and non teaching faculty members depends upon nature of illness on medical ground.

8. On Duty

On Duty would be sanctioned to the faculty members those who are going to attend FDP/ SDP/

Workshop/ Seminar, research work for scholars and also University examination duty.

File Description	Document
Any additional information	View Document

6.3.2

Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response:

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

2016-17	2015-16	2014-15	2013-14	2012-13
24	23	16	20	14

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc. during the last five years	View Document

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6.3.3

Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response:

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
7	10	5	6	10

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document
Any additional information	View Document

6.3.4

Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

Response:

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
141	121	138	110	111

File Description	Document
Details of teachers attending professional development programs during the last five years	View Document

6.3.5

Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

After completion of one year service an appraisal has been conducted by appraisal committee, consisting of Hon'ble Secretary, BOM Member, Principal & Dean and also 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	Document
Any additional information	**View Document**

6.4 Financial Management and Resource Mobilization

6.4.1

Institution conducts internal and external financial audits regularly

Response:

1. Based on the requirements from the Department and Institution, Annual Budget is prepared and approved by the Board of Management (BOM). It is further ratified by the supervisory body (Scheme Court).
2. Internal Audit is done by the Institution Finance Officer.
3. Account statement is verified by the BOM Members every month.
4. Every year Audited Financial Statement of Accounts is submitted by the Institute Auditor, reviewed and approved by the BOM in the BOM Meeting. It is further ratified by the supervisory body, (Scheme Court).
5. External Audit will be conducted by local fund Auditor for verification of Govt. Scholarship amount sanctioned to the students and the remarks raised in the Audits were settled by rectification.

6.4.2

Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

Response:

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
1.10	1.07	1.7	12.35	2.97

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	**View Document**

6.4.3

Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

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.
2. Physical or infrastructure Resources – Buildings, Equipments , Computer and
3. Natural resources – Green cover and Landscape Management

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

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

Response:

 IQAC initiates the internal auditing of the following activities of the department.

- Preparation of result analysis at the end of each unit tests and class tests systematically and taking them to class committee meeting.

- Conduct of class committee meetings to discuss the effectiveness of the teaching, learning process and the student's performance.
- Gathering of offline feedback from the students after one month from the commencement of the semester.
- Measuring the output through involvement in innovative and constructive projects.
- The academic ISO audit by organizations like DNV -GL every year for strengthening the evaluation process.
- Compilation of 20 point feedback from the students at the end of the semester on every course taught in that semester.
- Collection of exit feedback is collected from the final year students.
- Arranging self appraisal sessions for all the teachers based on many criteria such as results produced and innovative teaching methods adapted etc.
- IQAC recommending research funding by the Institution of Rs.1,00,000 to do intramural research for faculty and students.
- IQAC recommended one year target for Professor, Associate Professor and Assistant Professor to improve the academic standard and enhance the yearly API score.
- To improve alumni contribution and enhance alumni activities, College Alumni awards namely best Alumni award and best Entrepreneur Alumni award were constituted in this academic year which will be given every year for each department separately.
- Periodical conduct of 'Research Progress Meeting' for monitoring the progress of Ph.D. work of the faculty members.
- Arrangement of industry oriented training and skill development programmes by industrial expert.
- Formation of scrutiny committee with senior faculties as members to fix targets for faculties for preparing project proposals to various funding agencies.
- Conduct of 'HR Summit' to have strong rapport / harmony with Industry.
- Formation of "Incubation Centre' for encouraging entrepreneurship among students and to create and grow young businesses.
- "SMS based Internal test marks delivery" has been successfully introduced which facilitate more involvement by parents in their wards studies
- Formations of 'Quality Circle' to discuss the quality problems, investigate causes, recommend solutions, and take corrective actions for quality related problems in academics and administration.

Best Examples:

1. Based on the suggestions of IQAC cell, the outcomes of the faculty self appraisal format are taken to the HODs meeting wherein the remedial measures wherever needed, including the training needed for teachers to improve the subject knowledge and quality of teaching are discussed and finalised.
2. Based on the suggestions of IQAC cell, the 'Research Progress Meeting' of faculties pursuing their Ph.D in part time mode in various University are conducted every year with the help of senior administrators and senior professors as subject experts. In this meeting, the progress of the Ph.d work, Publication efforts and research contribution of the concerned faculty were analysed. Suggestions were given for quicker completion of the research work and submission of thesis by the faculty concerned with in minimum stipulated period of time for completion of Ph.D by their University.

File Description	Document
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

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

Response:

IQAC contributed the following guidelines for evaluating and monitoring the teaching-learning process:

- Preparation of well-framed academic planner for ensuring the smooth conduct of academic activities.
- Adaptation of "Case-Study" based teaching methodology for the applicable domains and measures the effectiveness of the same.
- Question Bank System in department under two streams namely (i) Question banks of previous year, (ii) Question Bank with solved answers.

The chairman of IQAC, the Principal in consultation with the Vice-Principal and Dean Academics convenes regularly the meetings with heads of the departments to monitor and ensure the above said procedures learning outcomes through the following process.

- Through continuous assessment (unit tests, retests, assignments)
- Class committee meeting reports
- Internal and external academic audits
- Project reviews and laboratory viva-voce sessions and also in-plant training reports used both for assessment and giving added inputs to ensure the achievements of learning outcomes.
- Feedback from stakeholders
- Monitoring the effective implementation of Programme Educational Objectives, Programme Outcomes, Course Objectives and Course Outcomes as per the accreditation standards.
- Adherence of planned co curricular activity calendar for students

Best Examples:

As part of the IQAC initiative, In order for the students to have accesses for quality study material, all the faculties are requested to prepare detailed course material in written format in legible handwriting. They are instructed to scan all the documents and uploaded in the " CLASSLE CLOUD CAMPUS" intranet facility. All the students are given username and pass word in the intranet and through Wi Fi facility, the students can download the material any time for their study purposes. Due to this facility, all the slow learners are benefitted and their performance in CIA exams and University exams were improved. The overall pas percentage of the college is improved significantly due to this exercise initiated by IQAC.

As part of IQAC initiative, in order to utilize and sensitize the students and faculty to the use of open

source computer softwares and operating systems, all the departments are encouraged to use Linux open source operating system for majority of the desk top systems in their computer laboratories. Also, instead of various commercial application software open source application softwares applicable to the specific domains are encouraged and promoted in all the computer based laboratories in various departments.

File Description	Document
Any additional information	[View Document](#)

6.5.3

Average number of quality initiatives by IQAC for promoting quality culture per year

Response:

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
7	0	3	1	1

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	[View Document](#)
IQAC link	[View Document](#)

6.5.4

Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**

2. **Academic Administrative Audit (AAA) and initiation of follow up action**

3. **Participation in NIRF**

4. **ISO Certification**

5. **NBA or any other quality audit**

Response:

File Description	Document
e-copies of the accreditations and certifications	[View Document](#)
Details of Quality assurance initiatives of the institution	[View Document](#)
Annual reports of institution	[View Document](#)

6.5.5

Incremental improvements made during the preceding five years *(in case of first cycle)*

Post accreditation quality initiatives *(second and subsequent cycles)*

Response:

Incremental improvements in last five years

Curricular Aspects

- New course included. (ME computer science ME Applied Electronics and Research center recognition for chemistry department belongs to science and humanities block
- Add on programmes and value added programmes were offered to the students along with regular curriculum to improve their employability.

Teaching-learning And Evaluation

- Faculty qualification and number of Ph.D staff – increase from 7 to 26
- ICT is implemented to enable teaching improvements in the institution.
- Question paper template is adopted and two sets of questions were obtained for each CIA test.
- Faculty retention is improved and the average experience of faculty is 10.4 years as of now.
- Almost 54 faculties are pursuing their Ph.D in various disciplines as of now.

Research, Innovations And Extension

- Research publication and research project – research center recognition.
- Total number of scholars pursuing Ph.D in the college is 25.
- Professional program recognition, publication incentive and book publication incentive had been given to the faculty members to encourage them.
- Research level labs are established like Labview lab, Clean Energy research and Development Centre lab (CERDC) and Environmental lab.
- Joint publication were improved to 340 and one technology development project is pursued.

Infrastructure And Learning Resources

- A health centre exists with ambulance facilities.

- Transport facilities were enhanced by the addition of 9 new college buses for students and faculties
- Library budget was significantly increased from 11.5 lakhs in 2012-2013 to 27.68 lakhs in 2016 – 2017.

Student Support And Progression

- Students cut-off marks for admission is improved over the years.
- A Psychology Counselor is appointed for providing psychological counseling to aggrieved college students and faculties.
- The campus placement efforts were strengthened and 80% of eligible students were placed annually for the past few years.
- Professional society activities of staff and students were improved by the inclusion of ICTACT, IEI, IETE, IIPE, SAE, ENFUSE professional society chapters. Through these professional society chapters, students got benefited by expert lecturers and industrial visit arranged through these chapter contacts . Faculties are exposed effectively to latest ICT developments through membership in ICTACT.
- Students are actively involved in professional activities by being members in the above professional societies, involved in placement activities as student placement co-ordinators from each department.
- Overall students performance is continuosly maintained at around 83 percentage for the past 5 years.

Governance, Leadership And Management

- Systematic approach of faculty training has been given periodically inside and outside the campus.
- Introduction of Deanery system such as Director, Dean academic, Dean administration for effective decentralization.
- Faculty group insurance scheme is available.
- Quality assurance mechanism were developed like appraisal based faculty promotion schemes, faculty publication incentives, placement assistant committee, research proposals scrutiny committee, Academic advisory committee, schemes implemented by IQAC cell for improvement in quality practices and student feedback system about teachers and teaching learning process, students class committee meetings grievance redressal mechanism and entrepreneurship development initiatives were implemented.
- Students representation was given in IQAC and other class committee, library committee, department news letter committee, Hostel committee and professional societies.
- Medical reimbursement for faculties is provided upto 1 lakh in their entire period of service in AVCCE.
- Incentives at the rate of 1% of funded project amount for the principal investigator and publication incentives for peer reviewed journal publication are given to faculties.

By the sustained effort and by adopting quality initiatives as said above, MBA Programme of the Institute is ranked in 76 - 100 band in the NIRF ranking 2016-17.

File Description	Document
Any additional information	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Number of gender equity promotion programs organized by the institution during the last five years

Response:

7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	2	2	1

File Description	Document
Report of the event	[View Document](#)
List of gender equity promotion programs organized by the institution	[View Document](#)

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:

      1. Safety and Security

      2. Counselling

      3. Common Room

Response:

1. Safety and Security:

- CCTV Cameras are installed in various vantage points inside college campus.
- Well laid passages for movement within the campus are provided.
- Trained Security Personnel are deployed to keep constant vigil 24/7 of all the movements inside the campus, take care of the security of all the equipment in the buildings and also check all the outsiders entering the campus.
- The workforce participation rate of female is higher than the male.
- All faculty members are to leave the campus by 6.00 pm itself.

- Women Hostel with only women staff members for ensuring safe accommodation for women students and working women away from their place of residence is available.
- In women hostel other than parents and registered guardians no one is allowed to visit the students.
- Gate pass system for women hostlers is available and girl students are given gate pass only with the consent letter/fax/message of parents to ensure that they are not allowed to go out on their own.
- Female students are accompanied by female staff members adequately during off campus placement drives, industrial visits and college tours.
- Girl students having health problems are accompanied by female staff members to health center and if needed even to hospitals subsequently. A female nurse is available in the health center.
- Separate space in cafeteria and college buses is earmarked for girl students.
- Napkin vending dispensers and disposers are provided.
- Support to Training and Employment Program.
- Provides payment of equal remuneration to men and women workers for the same work of similar nature without any discrimination.
- Purified drinking water is provided within campus.
- College buses fitted with speed control, emergency exit and first aid box for safe transportation of students & staff
- All laboratories have caution boards containing Do's and Dont's and are furnished with first aid box.
- Health center is available in the college campus with a qualified doctor and in case of emergency, ambulance is available in order to take the students/staff to nearby hospitals.
- Provides maternity leave before and after childbirth.
- Women empowerment cell is constituted by the college and they organize many programmes for the female population.
- Electrical safety is ensured by proper usage of ELCBs, MCBs etc..
- Adequate fire safety equipment are available in prominent places. Library and admin office are provided with fire alarm.
- A women Psychologist Counselor is available with planned visits for general and individual counseling.
- Faculty counselors, Discipline committee etc ensure dress code and pleasant amicable social behaviour among students.
- Awareness about anti ragging, eve teasing, sexual harassment have been sufficiently created with posters, banners, meetings, complaint boxes: Exclusive mail id and mobile numbers have been provided to curb the menace.

2. Counselling:

- For every 15 or 20 students one faculty member is assigned the role of faculty advisor (or) counselor whose primary activity is to monitor the academic progress of the students under their care and to take corrective measures for any aberration in their progress in academic pursuits.
- The faculty advisors personally counsel students who confide their personal problems and strive to arrive at an optimal/amicable solution through the counseling along with their HODs. If necessary, students are encouraged to meet and consult the Psychiatrist of our college.

3. Common Room:

- Separate Hostel, separate common room with attached toilet facility, napkin vending machine, and separate parking facilities are available for women.

7.1.3

Alternate Energy initiatives such as:

1. **Percentage of annual power requirement of the Institution met by the renewable energy sources**

Response:

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

Response: 30

7.1.3.2 Total annual power requirement (in KWH)

Response: 500

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	[View Document](#)
Any additional information	[View Document](#)
Link for Additional Information	[View Document](#)

7.1.4

Percentage of annual lighting power requirements met through LED bulbs

Response:

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 1

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 90

File Description	Document
Details of lighting power requirements met through LED bulbs	[View Document](#)

7.1.5

Waste Management steps including:
- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:

Solid waste management:

Toilet waste and kitchen wastes are admitted in to a 10 cu. m capacity biogas plant. Biogas and water are the output of the plant and are used for cooking and gardening respectively. The night soil based biogas plant totally eliminates septic tank in students home. Apart from this a biomass Pulveriser is available in the campus to convert the solid waste in to biomass fuel for Gasifier and a manure pit is also available to convert biomass into manure.

Liquid waste management:

Backwash of five RO plants of 500 LPD capacities is effectively used for toilet cleaning and gardening purpose and thereby the ground water and pumping energy is saved. Automation is adapted in the RO system to avoid overflow. The waste from toilets is connected to septic tanks in each block.

As per the mandate given by the state government, all the buildings are installed with   rainwater harvesting system; the water is directed towards bore well to increase the   ground water level.

E-waste management

Some of the condemned electronic equipments and batteries are sold out on buy- back   basis and other e-wastes like monitors are sold out to government recognized e-waste   recycle firms and safely disposed. Actually no e-waste is generated in the campus.

File Description	Document
Any additional information	[View Document](#)

7.1.6

Rain water harvesting structures and utilization in the campus

Response:

Being an Institute with environmental consciousness the various initiatives highlight the social concern of the stake holders. With rapid climatic changes and industrialization, increase in global temperature and population growth, the gradual falling of water levels, are a cause of serious concern not only because it leads to shortage of usable water but also because in coastal areas it causes imbalance in salinity of the area. The supply of fresh water in this planet cannot be increased. But the usage of such fresh water can be optimized. Rainwater harvesting is an easy and economical way to deal with this crisis.

As people are becoming environment responsible, rain water harvesting is gaining popularity leading to Eco-conservation and constructive use of natural resource, hence the installation of rain water harvesting in all buildings is gaining importance. In total 14 rain water harvesting pits are available. The harvested water is utilized to revitalize the ground level water and improve its quality by directing towards bore well. This also helps to raise the level of ground water which then can be easily accessible. When fed into the ground level wells and tube well are prevented from drying up. This increases soil fertility. Harvesting rainwater checks surface run off of water and reduces soil erosion. These benefits are achieved by this Institution.

File Description	Document
Any additional information	[View Document](#)

7.1.7

Green Practices
- **Students, staff using**
a) **Bicycles**
b) **Public Transport**
c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

Students, staff using

1. Bicycles – Hostels are provided with cycles for usage by staff, security staff and students.
2. PublicTransport – Other than the 30 plus public transport buses available for reaching the college, 20 college buses exclusively serve 1250 students and 70 staff members (60 % of students come by college bus)
3. Pedestrian friendly roads – All roads in the campus are black topped with tar and are provided with paver block platforms for pedestrians use. The roads are real avenues because of the trees on both sides.

Plastic free campus

- The campus is a PLASTIC FREE campus and the institution has banned the use of plastic bags and other forms of it.

Paperless office

- All the departments, offices, hostels and other functional wings are provided with computers and suitable softwares for becoming a paperless office. As of now, the college has reached 75% paperless office communication.

Green landscaping with trees and plants

The Institute is gifted with a posh campus with a lot of greenery where students can enjoy an Eco-friendly life. The campus contains over 350 trees of 25 different species which give place for birds and mammals. The used water is treated to redeposit on earth for the fertility of the surroundings and for balancing ground water. It also helps the Institute from shortage of water. Conserving water and nature for future is one of the best practices followed in the campus. The green campus supports the students to keep away from pollution and maintains carbon neutral environment. The average ambient temperature within campus is 2º C less than the outside ambiance. It also ensures healthy, hygienic study environment for better learning life without any discomforts. It relieves a lot of stress that can't be ignored in the life of students. To maintain the Eco-friendly environment the institution planted 100 saplings at the time of Independence day, Republic day and Founders' Day Celebrations. The campus architecture supports limited dependency on electricity for good visual lighting and air flow and also the hostels are fitted with solar water heaters which will reduce the electricity usage to some extent.

Does the College conduct a Green Audit of its campus?

Yes. The Eco club of the institute conducts green audit annually with the assistance of a Campus Engineer and qualified Horticulturist. Being an academic institution, the scope of

Green Audit is limited to

- Green coverage in campus and tree census
- Drinking water treatment and management
- Sewage (Hostel & Campus) treatment and management
- Kitchen and dining hall waste management

File Description	Document
Any additional information	[View Document](#)

7.1.8

Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response:

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
1.05	1.05	1.05	1.005	26.94

File Description	Document
Details of expenditure on green initiatives and waste management during the last five years	View Document
Any additional information	View Document

7.1.9

Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. **Physical facilities**
2. **Provision for lift**
3. **Ramp / Rails**
4. **Braille Software/facilities**
5. **Rest Rooms**
6. **Scribes for examination**
7. **Special skill development for differently abled students**
8. **Any other similar facility (Specify)**

Response:

File Description	Document
Resources available in the institution for Divyangjan	View Document
Any additional information	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response:

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
3	7	6	2	4

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	[View Document](#)
Any additional information	[View Document](#)

7.1.11

Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response:

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
8	5	5	3	3

File Description	Document
Details of initiatives taken to engage with local community during the last five years	[View Document](#)

7.1.12

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response:

File Description	Document
Any additional information	[View Document](#)
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	[View Document](#)

7.1.13

Display of core values in the institution and on its website

Response:

File Description	Document
Provide URL of website that displays core values	[View Document](#)

7.1.14

The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations

Response:

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	[View Document](#)
Any additional information	[View Document](#)

7.1.15

The institution offers a course on Human Values and professional ethics

Response:

File Description	Document
Any additional information	[View Document](#)

7.1.16

The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions

Response:

File Description	Document
Any additional information	[View Document](#)

7.1.17

Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

Response:

File Description	Document
List of activities conducted for promotion of universal values	[View Document](#)
Any additional information	[View Document](#)

7.1.18

Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

Yes. The institution organizes Independence Day, Republic Day, National Voters Day, Good Governance Day, Youth Day, Yoga Day, Engineers Day etc regularly upholding the National spirit which remains as the basis of these celebrations. By remembering the famous personalities their spirit and the contribution to India is made understood to the student community. It helps in development of good professionals from the Institute.

7.1.19

The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:

- Yes. The college strictly follows the rules laid down by both the Anna University and Government of Tamil Nadu to ensure transparency in the admission process. As the College is affiliated to Anna University, admissions under the Government Quota are made through a Single Window Counseling System by the University itself. The existing reservation system is followed and only government authorized fees is collected from students. Various norms prescribed by the regulating authorities like AICTE and Anna University are being followed and the compliance is submitted as a report to them annualy for extension of approval and annual inspection. The same is also displayed in the web site as "Mandatory Disclosure".
- Budget proposals are prepared by HoDs in consultation with teaching and technical staff members based on the requirements of the department and submitted to the Principal and Management at the beginning of every financial / academic year. The Principal scrutinizes the budget and recommends the same to the Management Committee for the approval. The Management sanctions the required amount as per the budget. Any intermittent financial need is submitted to the Principal as a proposal and the Director (Admin) forward to Secretary with due

recommendations. As per the norms any requirement above Rs 20,000/- need to be decided by the BoM. Finally the Secretary approves and the Treasurer releases the money. The HODs of the respective departments are given the responsibility for proper utilization of the sanctioned budget. All transactions are supported by bills/invoices/vouchers which are scrutinized by the accountant and approved by the Director (Admin) and then by the Principal. The details of the purchased items are entered in the stock register and the bill payments are passed after the physical verification/evaluation of the items. Audited financial statements including Income and Expenditure Account, Balance Sheet etc. are prepared by qualified auditor. These are being monitored by the Finance Officer of the college.

7.2 Best Practices

7.2.1

Describe at least two institutional best practices (as per NAAC Format)

Response:

Teaching: Excellent ICT and LMS support to given to the teaching learning process. Slow and fast learners are identified and separate coaching sessions are regularly organised to excel in their studies. They are encouraged and coached to participate in developmental activities both within and outside campus. Short term/Certificate courses are continuously offered to the students to make them technically sound, which had a great impact in the final year students during their placement.

Extension activities: Participation in NSS/YRC is mandatory for students to install social responsibility among them.   Through these organizations, AIDS awareness programmes, blood donation camps, various health camps and socially relevant activities are undertaken regularly. As part of Institutional-Social responsibilities, the institution offers need based training programmes like Educational awareness programme for the students of Panchayat Union schools with an objective of imparting significance of education, to build the students' self confidence and motivate them to achieve success in their life and also conduct empowerment programmes for Self Help Group women. Thus the Institute continuously contribute towards the society.

Research: A practice of rewarding for outstanding research contribution/publication with incentives is followed which encourages new comers to actively involve in research activities, pursuing higher studies (Ph.D) and to participate in FDPs/Conferences/Seminars etc.

7.3 Institutional Distinctiveness

7.3.1

Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

The Institute serves as a beacon light in the field of education to innumerable youth, with rural background and strive in enhancing the young minds to compete the ever changing global changes and in the way of making the institution a Center of Academic Excellence. The R&D facilities have been opened up to make the students as reservoirs of knowledge and to develop the aptitude to face all the global challenges. In line with the vision and mission, the Institute participates in the noble cause of nation building by offering professional education, research and training in engineering and technology especially to the rural, underprivileged poor students. It shapes the rural student to become physically, mentally, spiritually and socially strong to face the ever growing challenges of the academia, industry and society. The Institute by establishing of the state-of-the-art laboratories and facilities focus to offer scientific research and need based training to meet the global needs of the industry. The ICT enabled innovative teaching learning process makes the students meet the advancement of contemporary society, strengthen the inherent skills and talents for the proficient education to congregate the current global trend. The Institute enthusiastically involves in industrial and societal development by continuous benefit and knowledge sharing activities with the communities. Women empowerment strategies are actively followed in the campus. All these activities are fulfilled with no additional cost from student community and only with the government authorized fees. The transparency in admissions, administration and accounting has created a unique identity of the Institute among the rural mass and potential contributors to the nation's development.

File Description	Document
Link for Additional Information	[View Document](#)

5. CONCLUSION

Additional Information :

The institute enjoys goodwill amongst public & society and has good admissions since inception and very good academic results. The UG admissions are done strictly on Merit basis by Anna University single window counseling system for 65% of sanctioned seats. The Remaining 35% of seats are filled by following the rules and regulations of Consortium of Self financing professional, Arts and Science Colleges in Tamilnadu. For the PG admissions, 50% of seats are filled based on Tamilnadu common entrance Test (TANCET) by single window counseling system and remaining 50% seats are filled based on the rules and regulations of Consortium of Self Financing Professional, Arts and Science Colleges In Tamilnadu. Institute publishes news letter called News Zone, college magazine and every department publishes also departmental news letter. More than 25% faculties are invited as resource persons in the form of session chairs, reviewers, keynote speakers, referees, etc. The institute has initiated offering online entrepreneurship certification course LEARNWISE with the support of EDII, Tamilnadu. Now the institute is selected under PM YUVA Yojana scheme to enhance ED education. Smart classrooms, harmony in culture, student centric attitude in faculty, faculty development programmes, transparency in correction of answer sheets, activity based learning, extended club and professional society activities, practical business exposure, gymnasium facility, special focus on entrepreneurship digital library and internet with Wi-fi connectivity are the unique features of the institute.

Concluding Remarks :

A.V.C College of Engineering is part of the 200 year old heritage of A.V Charities which functionally involves in various philanthropic activities including imparting quality education to the rural students. The Institution is always striving to achieve excellence in the field of imparting quality technical education to rural poor students and act as the beacon light to achieve success in their life and promote the cause of nation building on par with the vision and mission of our forefathers. Since the inception of the college more than 8000 students have graduated with flying colors and are well placed in their career. The institution moves to the next level with a specific objectives of admitting ten full-time doctoral students every year in various disciplines by giving them fellowships, seeking funding support for research work from agencies like DST, UGC, AICTE, DBT, CSIR in all departments and take at least one collaborative R&D project/consultancy project from industry in each department. The institute steered in the right direction by achieving 'A' grade and to autonomy as a result of this accreditation process.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.1.3	Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years 1.1.3.1. Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years Answer before DVV Verification: _table below_ Answer After DVV Verification : _table below_

1.1.3 — Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
20	15	7	5	4

1.1.3 — Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
6	4	1	1	1

Metric ID	Sub Questions and Answers before and after DVV Verification
1.2.2	Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented 1.2.2.1. Number of programmes in which CBCS/ Elective course system implemented. Answer before DVV Verification : 15 Answer after DVV Verification: 12
1.2.3	Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years 1.2.3.1. Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years Answer before DVV Verification: _table below_ Answer After DVV Verification : _table below_

1.2.3 — Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
970	1000	527	946	918

1.2.3 — Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
970	1000	527	946	641

Metric ID	Sub Questions and Answers before and after DVV Verification
1.4.1	Structured feedback received from 1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus- Semester wise/ year-wise Answer before DVV Verification : A.Any 4 of the above

	Answer After DVV Verification: A.Any 4 of the above
1.4.2	Feedback processes of the institution may be classified as follows: Answer before DVV Verification : B. Feedback collected, analysed and action has been taken Answer After DVV Verification: C. Feedback collected and analysed
2.1.2	Average Enrollment percentage (Average of last five years) 2.1.2.1. Number of students admitted year-wise during the last five years Answer before DVV Verification: {table1} Answer After DVV Verification : {table2} 2.1.2.2. Number of sanctioned seats year-wise during the last five years Answer before DVV Verification: {table3}
2.1.3	Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years 2.1.3.1. Number of actual students admitted from the reserved categories year-wise during the last five years Answer before DVV Verification: {table4} Answer After DVV Verification : {table5}
2.4.2	Average percentage of full time teachers with Ph.D. during the last five years 2.4.2.1. Number of full time teachers with Ph.D. year-wise during the last five years Answer before DVV Verification: {table6}

table1:

2016-17	2015-16	2014-15	2013-14	2012-13
353	521	541	579	527

table2:

2016-17	2015-16	2014-15	2013-14	2012-13
357	548	541	578	559

table3:

2016-17	2015-16	2014-15	2013-14	2012-13

table4:

2016-17	2015-16	2014-15	2013-14	2012-13
189	313	331	331	320

table5:

2016-17	2015-16	2014-15	2013-14	2012-13
343	523	519	551	524

table6:

2016-17	2015-16	2014-15	2013-14	2012-13
23	12	9	10	8

	Answer After DVV Verification :				
	2016-17	2015-16	2014-15	2013-14	2012-13
	23	12	9	10	8

3.2.2	Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years 3.2.2.1. Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
51	42	39	24	26

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
38	27	18	20	26

3.3.1	The institution has a stated Code of Ethics to check malpractices and plagiarism in Research Answer before DVV Verification : Yes Answer After DVV Verification: Yes
3.3.2	The institution provides incentives to teachers who receive state, national and international recognition/awards Answer before DVV Verification : Yes Answer After DVV Verification: No
3.4.2	Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years 3.4.2.1. Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
4	6	5	3	3

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
1	0	2	1	1

3.4.3	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 last five

years

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., year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
15	19	20	14	34

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
15	19	19	14	33

3.4.4

Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

3.4.4.1. Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
1515	397	274	325	376

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
325	297	274	325	276

Remark : As per the clarification by the HEI

3.5.1

Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

3.5.1.1. Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
121	121	89	78	182

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13

| 26 | 21 | 19 | 20 | 18 |

Remark : The HEI has given numbers and not the MoU's as required in this Metric.

5.1.2	Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

5.1.2.1. Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
218	216	222	198	198

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
8	25	21	48	48

5.3.1	Number of awards/medals for outstanding performance in sports/cultural activities at national / international level (award for a team event should be counted as one) during the last five years.

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

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
2	1	1	0	4

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
0	1	0	0	0

5.3.3	Average number of sports and cultural activities/ competitions organised at the institution level per year

5.3.3.1. Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
20	18	17	18	18

Answer After DVV Verification :

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2016-17	2015-16	2014-15	2013-14	2012-13
7	5	6	6	6

5.4.2 Alumni contribution during the last five years(INR in Lakhs)

Answer before DVV Verification : ? 5 Lakhs
Answer After DVV Verification: <1 Lakh
Remark : The Alumni contribution is only after passing out and not the fees collected.

6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

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

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
24	23	16	20	14

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
24	23	16	20	14

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

6.3.3.1. Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
19	23	18	7	18

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
7	10	5	6	10

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

6.5.3.1. Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13

15	6	5	2	3

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
7	0	3	1	1

6.5.4	Quality assurance initiatives of the institution include:
	1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
	2. Academic Administrative Audit (AAA) and initiation of follow up action
	3. Participation in NIRF
	4. ISO Certification
	5. NBA or any other quality audit
	Answer before DVV Verification : A. Any 4 of the above
	Answer After DVV Verification: B. Any 3 of the above
7.1.1	Number of gender equity promotion programs organized by the institution during the last five years
	7.1.1.1. Number of gender equity promotion programs organized by the institution year-wise during the last five years
	Answer before DVV Verification:

2016-17	2015-16	2014-15	2013-14	2012-13
7	3	3	3	5

Answer After DVV Verification :

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	2	2	1

7.1.9	Differently abled (Divyangjan) Friendliness Resources available in the institution:
	1. Physical facilities
	2. Provision for lift
	3. Ramp / Rails
	4. Braille Software/facilities
	5. Rest Rooms

	6. Scribes for examination 7. Special skill development for differently abled students 8. Any other similar facility (Specify) Answer before DVV Verification : B. At least 6 of the above Answer After DVV Verification: C. At least 4 of the above
7.1.17	Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years Answer before DVV Verification : 26

2.Extended Profile Deviations

ID	Extended Questions
1.1	Number of teachers year-wise during the last five years Answer before DVV Verification: <table><tr><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td><td>2012-13</td></tr><tr><td>159</td><td>162</td><td>160</td><td>150</td><td>135</td></tr></table> Answer After DVV Verification: <table><tr><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td><td>2012-13</td></tr><tr><td>157</td><td>160</td><td>159</td><td>148</td><td>135</td></tr></table>
1.2	Number of full time teachers year-wise during the last five years Answer before DVV Verification: <table><tr><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td><td>2012-13</td></tr><tr><td>159</td><td>162</td><td>160</td><td>150</td><td>135</td></tr></table> Answer After DVV Verification: <table><tr><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td><td>2012-13</td></tr><tr><td>157</td><td>160</td><td>159</td><td>148</td><td>135</td></tr></table>
1.3	Number of sanctioned posts year-wise during the last five years Answer before DVV Verification: <table><tr><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td><td>2012-13</td></tr><tr><td>159</td><td>162</td><td>160</td><td>150</td><td>135</td></tr></table> Answer After DVV Verification: <table><tr><td>2016-17</td><td>2015-16</td><td>2014-15</td><td>2013-14</td><td>2012-13</td></tr><tr><td>157</td><td>160</td><td>159</td><td>148</td><td>135</td></tr></table>

1.4	Total experience of full-time teachers Answer before DVV Verification : 1517.9 years Answer after DVV Verification : 1504.3 years
1.5	Number of teachers recognized as guides during the last five years Answer before DVV Verification : 11 Answer after DVV Verification : 7