



SELF STUDY REPORT

FOR

3rd CYCLE OF ACCREDITATION

A.V.C. COLLEGE OF ENGINEERING

MANNAMPANDAL, MAYILADUTHURAI DISTRICT PIN - 609305 TAMILNADU

STATE

609305

www.avccengg.net

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

March 2024

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

A.V.C College of Engineering is the pioneer institution in the Mayiladuthurai District established in the year 1996 by the Anbanathapuram Vahayara Charities. This College has been approved by All India Council for Technical Education (AICTE) and affiliated to Anna University, Chennai. It is situated on the main highway, 4 kms from the historical town Mayiladuthurai in an evergreen scenic landscape of around 30 acres. A.V.C. College of Engineering located in the rural environment committed to social welfare. The Academics is backed up with 7 Undergraduate and 3 Postgraduate programmes along with 3 doctoral programmes. The institute has been accredited with “B++” grade in second cycle by NAAC in July 2018. Four programmes namely Mechanical Engineering, Electronics and communication Engineering, Computer Science and Engineering and Electrical and Electronics Engineering have been accredited by NBA for 3 years from August 2022. Department of Mechanical Engineering, Master of Computer Applications and Chemistry have been recognized as research centers by Anna University Chennai for 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 Students

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Strong Academic reputation
- Excellent Academic and Research Ambience.
- Committed faculty Blended with young, dynamic and experienced.
- Very good faculty retention.
- Well-established infrastructure
- Quality assurance in terms of Accreditation
- Sponsorship for Research and other Programmes.
- Active Professional Societies.
- Wi-Fi enabled Internet facilities.
- Green Environment and Green awards.
- Transparency in governance.
- Effective extension activities.

Institutional Weakness

- Geographical Location.
- Lack of industrial connections
- Slow learners.
- Dependence on Curriculum Development.

Institutional Opportunity

- Expansion of academic programs
- Autonomous Status
- Collaborations and partnerships with Industries, research institutions
- Industry based courses and Skill Enhancements with industry.
- Online education expansion
- New trends in multidisciplinary professional education and new teaching methods.
- 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 are industry based.
- Attracting international students or participating in exchange programs

Institutional Challenge

- Reduced demand of core programmes
- To train the faculty with Technological advancements
- Placements in core industries
- Rural Students

1.3 CRITERIA WISE SUMMARY**Curricular Aspects**

A.V.C. College of Engineering follows all the regulations and curriculum of the affiliating Anna University. Program Specific Criteria recommended by affiliating University 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 institute follows academic calendar in line with the University's academic schedule. The curriculum also contains courses on environment, human values and ethics etc., 42 new courses in Elective, Open Elective and Professional Electives were introduced in the last five years. The College promotes interdisciplinary approach by offering interdisciplinary projects, apart from attending skill development modules, industrial visits, in plant training etc. in the last five years. 80 value-added programs were conducted to bridge the curricular gaps and to enhance the employability skills of the students. Curriculum of every course is mapped with six course outcomes. The faculty conducts the course exit survey at the end of the semester for each student to attain the course outcome. Analysis of course exit survey helps in modifying contents or delivery or assessment method of the course. The course plan prepared by the faculty members is delivered to the students as approved by the Head of the department (HOD), Dean and Principal. The syllabus coverage,

performance of students and Continuous Internal Assessment (CIA) are monitored by the HOD, Dean and the Principal. Academic audit and External quality audits (ISO) are also conducted by external Experts. Feedback from stakeholders are regularly gathered, analysed and used as input to fill the curricular gaps.

Teaching-learning and Evaluation

The institute has 111 teachers with a staff student ratio of 1:11.5 and 55% of them are Ph.D qualified. All students are provided with the Academic calendar and it is also available in the college website. Induction Programme for ten days is conducted for the new comers to strengthen the 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. All 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 to conduct the assessment tests in a uniform and flawless manner. Internal assessment is based on CIA examination as per the norms of the affiliating university. The marks obtained in the internal tests, class tests, assignments and University examinations (UE), the Course Outcome (CO) attainment computation is performed. For each CO, the number of students who scored more than the target level is computed in 3-degree scale. The set attainment levels are then verified. 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 Google class room environment by teachers. Counselor system is meant for solving the student's academic and personal problems. 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

To promote creativity, critical thinking, idea generation and entrepreneurial capabilities among the students and staff to transform their innovative ideas into potential startups for the growth of society, the Institute is having dedicated R&D cell, IPR cell and IIC. The R&D Cell is motivating and monitoring the staff and students on their involvement in research activities by way of conducting research oriented programs, information about thrust area, financial support opportunities, reviewing the status of the Ph.D scholars etc., The institute is an approved research centre to offer Ph.D under Anna University, Chennai for Mechanical Engineering, Computer Applications and Chemistry. Currently 13 teachers/supervisors are guiding 20 Doctorial research scholars. The institute is providing all support to the teachers for pursuing research and innovation. Our 22 teachers pursuing Ph.D are supported with 15 days on duty leave/year. The Institute has received financial support of 86.3 lakhs from AICTE, SERB, TNSCST for Research Project, MODROBS etc., in the last five years. Faculty members are motivated with certificates and awards for their achievements. The IPR Cell is creating awareness to the staff and students about the Intellectual property rights and to make their innovation in to patentable. Eleven innovations of our faculty members have been published in patent and design journal and are getting financial support from AICTE through KAPILA scheme. 309 research papers were published in reputed journals by the faculty members and students with 2293 Google scholar citations with a h-index of 24 in the last 5 years. Totally 275 programmes were conducted through various cells and 642 linkages were established towards Industry-Academia partnership. Our NSS, NCC, YRC, RRC units have conducted 93 extension/outreach programmes. The institution is awarded with "Green Champion" award by the Tamil Nadu Pollution control board along with Rs.1,00,000 for two consecutive years 2021-22 & 2022- 23, District Green Champion award by MGNCRE in 2021. It was also recognized as SWACHHTA ACTION PLAN , as a member of National Rural Entrepreneurship Mission and Best Covid Campaign Institution in the

year 2021 by MGNCRE.

Infrastructure and Learning Resources

The campus is spread over 30.09 acres with multistoried buildings having 35 class rooms, 12 tutorial halls, 6 seminar halls, one conference hall and 70% of them are ICT enabled along with 42 laboratories. There are separate departmental libraries and a centralized library with 55,238 books for staffs and students use. The Institute has well equipped language lab for improving communication skills. Wi-Fi facility of 300 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 560 computers with 1:2.3 computer student ratio. Ubuntu open-source operating system software and other open-source applications software are prominently used. Campus-wide 64 CCTV facility is available in the college. A well-equipped health centre is available in the campus with a Doctor and nurse on regular visit. College has its own 24x7 Ambulance. To accommodate the students coming from distant places, the college has separate boys and girls hostels. Transportation facilities are also provided to students and staff using 19 buses. Indian Bank banking facility and Canara bank ATM are available. Other facilities include clean drinking water with 4 RO systems, canteen, store, girls waiting room, sports room and Gymnasium are available in campus. Institute ensures 24 x 7 security with 6 security personnel.

Student Support and Progression

Mentoring of students is done through counselor, Class Teacher, Psychological Counselor, HoD and Dean (Academic). A well-defined structure identifies slow learners and remedial teaching is carried out for them. Every year around 85% of students are receiving financial assistance from state and central government. 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 students for career counseling, guidance for competitive exams etc. The Institute has a dedicated Training & Placement cell conducting on and off campus interviews regularly towards student's 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 of Atrocities Act (SC/ST) and Women empowerment Cell/Sexual Harassment Cell/PoSH. There is anti-ragging committee and discipline committee.

Governance, Leadership and Management

A.V.C. Institutions are administered by the Judge Administrator. Principal is the Head of the Institution. The Director takes up responsibilities of non-academic matters. The Vice-Principal is assisting in the Hostel Administration, System Maintenance and Transport. Dean (academic) is assisting in the academic matters. Various committees are formed for decentralization and participative management. Student's representatives are also members in the various committees to improve the growth of the institution. Their views and suggestions are recorded, analyzed and implemented. The college has statutory and non-statutory bodies as per the guidelines of AICTE. Governing Council and IQAC meeting are conducted regularly. 36% of the staff

members are attend training programs in the last five years. Institute quality assurance is ensured by ISO quality standards and by participation in NIRF ranking. The institution is accredited by NAAC from 2013 and four programmes are accredited by NBA for three years from 2022. The college has supporting services rendered by the departments like system maintenance, electrical maintenance, transport and house keeping for maintaining a congenial campus atmosphere. Institutes employs various e-governance software in the operation of administration, finance and account , student admission and support , examination etc. Institute provides adequate welfare measures and financial support schemes to attend seminars, conferences and workshops.

Institutional Values and Best Practices

The Institute with its Vision and Mission strive to participate in the noble cause of nation building by offering professional education, research and training in Engineering and Technology especially to the rural Students. As a co-education institute equal opportunity for both male and female students are provided.

The Institution has facilities and initiatives for Alternate sources of energy and energy conservation measures, Management of the various types of degradable and non degradable waste, Water conservation, Green-campus initiatives and Disabled-friendly, barrier free environment. Quality audits on environment and energy are regularly undertaken. The Institution has celebrated the commemorative days/events/festivals as per AICTE/MHRD instructions/ State/Central government announcements.

The Institution was selected as Green Champion of the District in 2021 and 2022 by MGNCRE consecutively and was awarded with Rs 1 lakh cash prize by the Environment and Pollution Control board. 12 Research papers in the above green areas have been published by the faculty.

Different learning avenues are utilized apart from the affiliating AU curriculum with various clubs and cells. The AICTE has trained and certified our 24 staff members on Universal Human Values. Induction programme is conducted to the first year UG students through Student Induction Programme, Indian Knowledge System cell and Yoga club before the commencement of the regular classes, to obtain holistic learning. The research and Innovation Eco system practised is supported by the R&D Cell. Several research equipments and other research infrastructure has been created through funding from agencies for a sum of Rs. 81,30,830 in the past five years.

Efforts are made to strengthen the vocational education and soft skills of students in alignment with National Skills Qualifications Framework. The “Naan Mudhalvan” Scheme supported by the Tamil Nadu Government is one of the major initiatives. Our students won in the Hackathon, Mapathon competitions conducted at National level.

The Outcome-based Education model is followed since 2017 to focus on setting academic goals and working towards achieving these goals in a systematic manner. The students are mentored and motivated to enrol in various NPTEL and MOOC courses. The IPR publications has increased to 11 .

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	A.V.C. COLLEGE OF ENGINEERING
Address	MANNAMPANDAL, MAYILADUTHURAI DISTRICT PIN - 609305 TAMILNADU STATE
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	04364-22729 9	avcce@avccengg.n et
Professor	S.SELVAMU THUKUMAR AN	04364-225202	9842599598	04364-22729 9	smksmk@avccengg .net

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

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	02-06-2023	12	
AICTE	View Document	02-06-2023	12	
AICTE	View Document	02-06-2023	12	
AICTE	View Document	02-06-2023	12	
AICTE	View Document	02-06-2023	12	

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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	MANNAMPANDAL, MAYILADUTHURAI DISTRICT PIN - 609305 TAMILNADU STATE	Rural	30.08	26421

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,Civil Engineering	48	HSC	English	60	10
UG	BE,Electronics And Communication Engineering,Electronics and Communication Engineering	48	HSC	English	60	53
UG	BE,Electrical And Electronics Engineering,Electrical and Electronics Engineering	48	HSC	English	60	40
UG	BE,Mechanical Engineering,Mechanical Engineering	48	HSC	English	60	27
UG	BTech,Information Technology,Information Technology	48	HSC	English	120	120
UG	BE,Instrumentation And Control Engineering,Instrumentation and Control Engineering	48	HSC	English	30	19
UG	BE,Compute	48	HSC	English	120	119

	r Science And Enginee ring, Comput er Science and Engineering					
PG	ME, Comput er Science And Enginee ring, Comput er Science and Engineering	24	UG	English	12	1
PG	MBA, Manag ement Studie s, Master of Business Ad ministration	24	UG	English	60	60
PG	MCA, Compu ter Applicati ons, Master of Computer Applications	24	UG	English	60	60
Doctoral (Ph.D)	PhD or DPhil , Mechanical Engineering, Mechanical Engineering	36	PG	English	40	0
Doctoral (Ph.D)	PhD or DPhil , Computer A pplications, C omputer Applications	36	PG	English	16	0
Doctoral (Ph.D)	PhD or DPhil, Scienc e And Huma nities, Chemis try	36	PG	English	10	0

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	10				20				72			
Recruited	7	3	0	10	9	11	0	20	38	34	0	72
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				75
Recruited	57	18	0	75
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				29
Recruited	25	4	0	29
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	7	3	0	9	11	0	9	16	0	55
M.Phil.	0	0	0	0	0	0	2	2	0	4
PG	0	0	0	0	0	0	27	16	0	43
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
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			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
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		Total
	0	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	226	0	0	0	226
	Female	162	0	0	0	162
	Others	0	0	0	0	0
PG	Male	29	0	0	0	29
	Female	92	0	0	0	92
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

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	28	24	20	17
	Female	11	10	8	10
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	141	156	123	105
	Female	167	148	126	105
	Others	0	0	0	0
General	Male	1	1	4	1
	Female	11	6	7	6
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		359	345	288	244

Institutional preparedness for NEP

<p>1. Multidisciplinary/interdisciplinary:</p>	<p>Institution has the vision of setting a benchmark for the education providers in the field of Engineering and Technology and providing quality technical education. The institution is keen in promoting multidisciplinary approach among the student community thereby facilitating the young minds to solve day to day societal problems. Being an afflicted institution, we follow the curriculum and syllabi offered by the affiliating university viz. Anna University, Chennai. The university offers non-credit mandatory courses that emphasize general health, mind, history & culture, nation building, gender equality and industrial safety in the minds of students. The university offers credit courses on</p>
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	<p>human values & ethics, environmental science and sustainability, internship and project work towards the attainment of a holistic and multidisciplinary education. As per Anna University norms students may be permitted to choose the open electives on their interests. The students have the liberty of choosing open electives from other programmes to discover their interests during their learning journey, and this would enable them to forge their own path. Further the curriculum permits the students to choose online courses from sources like Swayam in lieu of open or professional electives for a maximum of 6 credits. This gives students them to claim a variety of skills.</p>
2. Academic bank of credits (ABC):	<p>As per Anna University norms, students can earn credits through online courses (maximum of 6 credits) and internship / In plant training can be transferred. Value added courses also having credits but not considered to calculation of CGPA.</p>
3. Skill development:	<p>Skill developments programmes are conducted through Nan Mudhalven and Nalayathiren schemes of Government of Tamilnadu and the credits earned will be transferred to the student's account. Further internship / in plant training is made as mandatory from 2021 onwards</p>
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	<p>As per the Anna University syllabus, the significance of promoting the Indian knowledge system is emphasized through various community-oriented activities. Students are encouraged to observe and participate in cultural events for regional and national importance. Students Fine Arts club is aiming at nurturing language skills in the local language. Faculty members are motivating the students by translating the SWAYAM, NPTEL courses into Tamil.</p>
5. Focus on Outcome based education (OBE):	<p>Outcome Based Education (OBE) is an educational model that forms the base of a quality education system. All educational activities carried out in OBE should help the students to achieve the set goals. OBE enhances the traditional methods and focuses on what the Institute provides to students. It shows the success by making or demonstrating outcomes using statements "able to do" in favor of students. OBE provides clear standards for observable and measurable outcomes. For every semester, three</p>

internal assessment tests and two internal assessments for 100 marks are conducted as per 2017 and 2021 regulations respectively. The questions are framed as per Blooms taxonomy annotated with Course outcome, program indicators and skill levels such as L1 for Remembering, L2 for understanding, L3 for analyzing and so on. After evaluating the answer sheet, staff has to fill in the tabular columns as how much mark is obtained by a student with respect to each Course outcome in answer sheet. Questions are mapped with CO's and skills as per Blooms taxonomy (BT) levels. Individual student's answer book is evaluated and questions answered by the student are mapped with CO's and PO's. Each question is mapped with COs so that students will be able to understand the course outcome of a particular subject. The mechanism to deal with internal examination related grievances is transparent, time-bound and efficient. The test answers and marking scheme is discussed by the faculty with the students. The attendance record of each student is maintained and due weightage is given for attendance in theory class and practical sessions, performance in tests/tutorials and timely submissions. The Institute encourages independent learning through project and paper presentations by students. The Institution and the departments stated their PEOs, PSOs and POs. It is disseminated to all the students through college calendar, website, notice board, etc., The POs designed by Washington accord is mapped with the course outcome and is evaluated during continuous assessment tests. The PO and CO attainment is measured as follows with corresponding correlation levels, 3 :High 2 : Medium 1 :Low

6. Distance education/online education:

A.V.C. College of Engineering is affiliated with Anna University. As per Anna University norms students may be permitted to do two online courses (which are provided with certificate), subject to a maximum of six credits. The online course of 3 credits can be considered instead of one elective course. These online courses shall be chosen from the SWAYAM platform, provided the offering organization conducts regular examination and provides marks. The credits earned shall be transferred and the marks earned shall be converted into grades and transferred, provided the student has passed in the examination as per the norms of the

offering organization. The details regarding online courses taken up by the student and marks/credits earned and the approval for the course from Centre for Academic Courses shall be sent to the Controller of Examinations, Anna University in the subsequent semester(s) along with the details of the elective(s) to be dropped.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes. Electoral Literacy Club (ELC) is available in the institution and is functioning along with National Service Scheme (NSS). The Principal is the Chairperson of the Club with NSS Program Officer as the Faculty Coordinator . Two students are also appointed as student coordinators. 100 students are members in it. The primary objective of the club is to create awareness among the students about democratic rights in elections.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Yes. The faculty coordinator and student coordinators appointed by the Head of the Institution in ELC.
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	The following are the initiatives under taken by the ELC of the institution. Right to Vote --Pledge. Right to Vote—Awareness in the institution and in the adopted villages. Camp for Voters inclusion and correction. Participation in Parliamentary Election Duty. Promotion of Ethical Voting. Promotion of Voting among disabled persons, senior citizens in the adopted villages.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	The institution has arranged facilities in the premises to conduct training programs to the government officials. Students of the institution actively participate the Government programs in Electoral process.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to	The students above 18 years age are cultured to be the registered voter by way of awareness camps and pledge.

institutionalize mechanisms to register eligible students as voters.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1276	1287	1319	1407	1718

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 133

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
112	115	121	124	121

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
234.34	125.75	78.63	165.76	438.07

File Description	Document
Upload Supporting Document	View Document

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

Regulation and the Curriculum are framed by the Anna University, Chennai for all the affiliated institutions. The syllabi and regulations are changed once every four years. Based on the curriculum, the course plan for each subject is prepared by the subject staff with the approval of the Head of the Department, Dean (Academics), Principal and the subject is being taught to the students. The curriculum is framed in such a way that 15/30/45/60/75/300 periods for theoretical, practical, theory with practical component subjects and project work for 2013, 2017 and 2021 Regulations.

Anna University academic schedule & assessment period and institutional academic calendar provides the planning before the commencement of each semester. Based on that, the Academic Handbook is prepared at the beginning of the academic year by the Institution for students and faculty for their reference about the working days and assessment schedule.

The subject faculty maintains the course file and log book which contains students' attendance, assessment marks and portion coverage details. The course file is a compilation of the planning and execution of teaching/learning activities carried out throughout a semester in an academic year for a particular subject. For an effective delivery of curriculum, the faculty members are encouraged to attend the need based FDPs, Seminars, Workshops etc., In addition, special Guest Lectures, Seminars, Webinars and Workshops are often offered to the students by the experts from the leading industries and the institutions to fill the curricular gap.

The entire process is monitored by the Head of the Department, Dean (Academics) and Principal through verification of records, classroom observations, Programme Advisory Committee, Class Committee meetings, feedback mechanism etc., and an academic audit process is carried out on a yearly basis.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 51

File Description	Document
List of students and the attendance sheet for the above mentioned programs	View Document
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	View Document
Institutional data in the prescribed format	View Document
Evidence of course completion, like course completion certificate etc. Apart from the above:	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Other Upload Files

1	View Document
---	-------------------------------

1.2.2

Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 40.89

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
288	1077	284	729	487

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment

1.3.1

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

Response:

The institution incorporates cross-cutting societal themes such as Moral Values, Universal Human Values as per National Education Policy 2020, Professional Ethics, Ethical Values, Gender Equality, and Environmental Awareness into the curriculum. The institution provides higher education to a wide range of diversified students including first generation, agricultural based, rural background, socially & economically deprived female students who need a variety of exposure to understand, address today's social and environmental challenges. Curriculum integrates many cross cutting issues and offers courses on Environmental studies, Gender studies, Human values and Ethics mandatory papers for all UG courses. Language papers incorporate these issues to sensitize the students. All UG and PG programmes have specific courses or content in different courses related to cross cutting issues.

Professional Ethics: Courses such as Languages, Soft Skills, and Personality Development inculcate Leadership, Communication Skills, Time Management and other Professional qualities in students. GE8076-Professional Ethics in Engineering, MC5035-Business Ethics, BA4111-Indian Ethos are some other courses which also impart specific Professional Ethics.

Gender: Students are sensitized about gender issues by its integration into the curricula of MX3081 - Introduction to Women and Gender studies. As part of the Value Education Course, Gender Studies is offered to all UG students.

Human Values: Value Education offered as a mandatory course to all the undergraduates, stresses on human values, ethics and societal issues. The curricula offers a wide variety of courses with emphasis on human values such as GE8074-Human Rights, MG6851-Principles of Management, MG6071 Entrepreneurship Development, MG8091 Entrepreneurship Development, GE3152 - Heritage of Tamil, GE3252 - Tamil and Technologies, GE3361-Professional Development.

Environment and Sustainability: As per Anna University Regulation 2017, GE8291-Environmental Science and Engineering and Regulation 2021, GE3451-Environmental Sciences and Sustainability are mandatory courses for all UG students. The courses EN8491-Water Supply Engineering, EN8592 - Waste Water Engineering, CE8512-Water and Waste Water Analysis Lab, CE8513 - Survey Camp (2 weeks -During IV Semester), GE8071-Disaster Management, CE8005-Air Pollution and Control Engineering, EN8591-Municipal Solid Waste Management, OTT752-Textile Effluent Treatments, GE6351-Environmental Science and Engineering,

CE6503-Environmental Engineering-I, CE6605-Environmental Engineering-II, CE6703-Water Resources and Irrigation Engineering, CE6023-Industrial Waste Management, CE6611-Environmental Engineering Lab, OCE551-Air pollution and Control Engineering, CS8078-Green Computing .

With these courses, students will be able to appreciate the relevance of ethical values in their personal, social, and professional lives. These topics give a free environment for students to instill ideals and acquire ethical competence, environmental awareness and human ethos. It is in reaction to a long-felt and pressing need for value education and decision-making skills.

National and International significant days, such as World Environmental Day, World Water Day, Women's Day, and International Yoga Day, Energy Conservation Day are commemorated at the college. ECO club imparts Environmental awareness which is essential for the protection of the environment and the survival of human life.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.3.2

Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 50

1.3.2.1 Number of students undertaking project work/field work / internships

Response: 638

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System

1.4.1

Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and

feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	View Document
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	View Document
Action taken report on the feedback analysis	View Document
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 52.26

2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2022-23	2021-22	2020-21	2019-20	2018-19
359	345	288	244	349

2.1.1.2 Number of sanctioned seats year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
531	531	657	657	657

File Description

Document

Institutional data in the prescribed format

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[View Document](#)

2.1.2

Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 73.19

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2022-23	2021-22	2020-21	2019-20	2018-19
347	339	276	237	341

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

2022-23	2021-22	2020-21	2019-20	2018-19
368	368	456	456	456

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	View Document
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	View Document

2.2 Student Teacher Ratio

2.2.1

**Student – Full time Teacher Ratio
(Data for the latest completed academic year)**

Response: 11.39

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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

Students are the most important stake holders of the Institute.

All efforts are being taken to groom them as Professional Engineers with social and environmental responsibilities of our institutions.

Teaching and Learning Methodologies are adapted with LMS (Learning Management System) Tools , animated videos, demo, online lectures, PPT's and MOOCS in day-to-day teaching process to enhance the better understanding of the courses.

Experiential learning

Experiential learning is made effective in four stages by applying the mode of watching (observation), sensing, thinking and doing.

Project, mini project, Laboratory sessions, In-plant Training, Field visit, Industrial visits, and professional development courses are arranged to give hands-on experience to students.

Hands on workshops, Technical Competitions such as hardware editions, software edition , modeling ,working models are organized by the respective departments under professional societies to cover content beyond syllabus.

Participative Learning

It is enhanced with case study analysis, value added programme, IIT-B spoken tutorial courses, MOOCS ,NPTEL courses and entrepreneurship activities . Invited lectures by experts from the industry and add-on courses, workshops, seminars are organized by the respective departments and students are encouraged to actively involved in publishing department newsletters.

The college encourages students to take part in national-level competitions like Learnathan , AICTE – Smart India Hackathon , conferences, seminars, symposiums and workshops

ICT tools are equipped in central library to access technical magazines, e-journals, Delnet digital access facilities .

Group discussions, quiz, research activities, innovative assignments and student presentations for better understanding of concepts/ technologies are in practice using ICT Tools.

Problem solving methodologies

To enrich student's creativity, decision-making ability, critical thinking, reasoning power and finding solutions and methods

Students are very well engaged in problem solving methodologies using Massive upskilling platforms such as Tamilnadu Government skill development Program “Naan Mudalvan” , Tamilnadu government professional development program “NalaiyaThiran”, AICTE – Smart India Hackathon, “KAVACH”- Cyber security hackathon, IIT-B-FOSSEE Mapathon.

Intellectual properties generated by students are being patented through IPR cell supported by MHRD-

AICTE “KAPILA” scheme.

Free Internet access in the library and Wi-Fi facilities in campus promote the habit of self-learning among the students. Computer assisted learning is provided in English Language Lab.

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

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

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

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1

Percentage of full-time teachers against sanctioned posts during the last five years

Response: 100

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

2022-23	2021-22	2020-21	2019-20	2018-19
112	115	121	124	121

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	View Document

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last

five years (consider only highest degree for count)

Response: 39.46

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
61	53	47	39	34

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	View Document
Institution data in the prescribed format	View Document
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	View Document

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

Academic and assessment schedule of the institution is planned as per the guidelines of the affiliating university and is displayed on the notice board and college website well in advance before the commencement of class work.

On the orientation day, all the freshers are made aware of the evaluation processes.

An examination cell headed by the Principal is available at our institution; it consists of a senior Faculty member as coordinator, other teaching faculty and non teaching staff as members for the smooth conduct of end semester and continuous internal assessment (CIA) examinations.

The end semester examination as scheduled by the affiliating University and CIA test to various departments as per the academic calendar is conducted by the exam cell. The institution follows strictly the guidelines and rules issued by the affiliating university while conducting CIA and end semester examinations.

Two/Three CIA tests are conducted each semester as per university regulations.

Time table for CIA test is prepared and communicated to the students well in advance.

Question papers for CIA tests are set by the faculty members as per Bloom's Taxonomy. Each question is accompanied with the corresponding course outcome, bloom's taxonomy level and Performances indicator.

CO – Marks distribution tabular column is printed in all answer scripts so that CO-wise mark score can be known which would help in the computation of CO-PO attainment.

Proper seating plan with one invigilator per 36 students is followed for CIA tests & end semester exams and is displayed on the notice board.

After evaluation of internal assessment answer scripts, the scripts are shown to the students to check any discrepancy. If they come across any doubts, clarification is given by the faculty to enables them to fare better in future.

The students' attendance and CIA marks are verified by the HODs concerned, Dean and uploaded in the university web portal which is time bounded with the approval of the Principal for internal assessment calculations.

Transparency in External Examination

Any grievances related to end semester university question paper like out of syllabus, improper mark allocation, wrong question number, requirement of any data tables or chart during end semester exams are addressed to the controller of examinations of Anna University through the Zonal coordinator. University decision or information after resolving the grievances/correction in question paper is intimated immediately to the students during the examination through the exam cell members.

After examination, the answer scripts are evaluated at different evaluation centers designated by university and final result is declared.

If student has any grievances related to evaluation of end semester examination answer scripts, they can apply for photocopy to decide revaluation and challenge evaluation if not satisfied with the revaluation result on payment of the designated fee which is time bounded.

University will declare the final result to the challengers separately after completing the process.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

In strict compliance with the objectives of Outcome Based Education (OBE), the Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are followed by the department in accordance with Anna University for each program. It is disseminated to all the students through College Website, classrooms, Laboratories, notice board, etc.,

The Program specific outcomes (PSOs) are the specific skill requirements and accomplishments to be fulfilled by the students at micro level at the end of the program. The PSOs, which are typically two to four in number, are created by the programme coordinators in collaboration with the course coordinators. The issue is discussed by the programme advisory committee (PAC), which is made up of the head of the department and subject matter experts from each department, and is approved by the principal.

Programme Outcomes (POs), which are based on the Washington Accord, are general statements that explain the professional achievements that the programme aspires to achieve and which are expected of the students by the time the programme is finished. The information, talents, and personality traits that students are expected to acquire in order to graduate are included in many different categories of POs. The faculty members (course coordinator) finalized the course outcomes using Bloom's Taxonomy based on the Anna University curriculum. The relationship between COs and POs/PSOs is tabulated as a matrix. The correlation levels used to measure PO and CO attainment are 3 for High, 2 for Medium, and 1 for Low.

The department faculty members explain the course outcomes to the students via representations in course plans and CIA question papers, and they also convey the course outcomes orally at the beginning of each semester.

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. After the successful completion of the course, the technical expertise the students can possess is given in the Course Outcome. The POs designed is mapped with the course outcome and is evaluated during continuous assessment tests.

The PEOs, POs, PSOs and COs are frequently discussed in the class room sessions, class committee meetings and also in Faculty advisor meeting. During the interaction with the students in the class committee meeting, the course objectives and outcomes are emphasized by the chairperson of the meeting. Senior faculty members are conducting seminar/meetings frequently in order to train faculty members to achieve the learning outcomes such as POs, PSOs and COs. At the end of each Assessment, an analysis is made for each course based on the marks scored in the CIA tests to meet out the learning outcomes

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

Each course is defined with a set of course outcomes describing what the students are expected to know after completing each course. Course outcomes are oriented towards achieving the respective program outcomes.

As per Anna university Regulations , Two CIA tests and one model exam for R2013 and R2017 whereas two CIA Tests for R2021 is conducted per semester for 100 marks.

i) Each question paper consists of 10 questions under Part A with 2 marks each, Part B consists of 5 questions under either or pattern with 13 marks each and Part C consists of 1 question under either or pattern with 15 marks. Each question is mapped to a specific CO. The marks scored by the students are summarized in the answer sheet.

ii) Each course has assignments that deal with a distinct CO. Assignments may include Case Studies, Problem Analyses, Multiple Choice Questions (MCQs), Short Answer Questions (SAQs), or Long Answer Questions. Evaluation criteria may include presentation and topic comprehension.

iii) Class tests are conducted for each course and are mapped with prescribed COs.

iv) The end semester examination is conducted for 100 marks and weightage is considered based on the University norms.

v) Based on the marks obtained in the Internal tests, class tests, assignments and University examinations (UE), the CO attainment computation is performed. For each CO, the number of students who scored more than the target level is computed in 3 degree scale. The set attainment levels are then verified.

vi) The set target levels of COs are compared, and targets are set for the next academic year.

Overall Attainment Calculation based on Direct and Indirect methods

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

(i) Direct attainment: The direct attainment is measured based on the performance of the students in the internal assessments conducted by the Institute and external assessments conducted by the University (IA and UE).

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

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.3

Pass percentage of Students during last five years (excluding backlog students)

Response: 84.23

2.6.3.1 Number of final year students who passed the university examination year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
274	365	467	365	409

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
320	408	478	404	622

File Description	Document
Institutional data in the prescribed format	View Document
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	View Document
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	View Document

2.7 Student Satisfaction Survey

<p>2.7.1</p> <p>Online student satisfaction survey regarding teaching learning process</p> <p>Response: 3.68</p>	
File Description	Document
Upload database of all students on roll as per data template	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

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

Response: 39.19

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

2022-23	2021-22	2020-21	2019-20	2018-19
24.15	14.62	0	0.23	0.19

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

The institution understands the value of acquiring knowledge through regional language. To integrate Indian Knowledge system the teachers are teaching the important concepts in bilingual mode (English and Tamil). An IKS cell is established at our institution to promote Indian culture, teaching in Indian Language through online and off line programs

To promote interdisciplinary research, preserve and disseminate further research and societal applications IPR cell and IIC are established at our institution. In addition, each program have different professional forums such as IIPE, CSI, ISTE, ICT Academy, IEI, IETE etc. to organize innovative programmes and to nurture the innovative talents of the students. Their primary function is to facilitate, coordinate the interdisciplinary work done by various institutions in India and abroad including Universities, institutions of national importance, R&D lab and different ministries.

Intellectual property plays an important role in providing a competitive edge to any Institution. The tangible assets like inventions, designs, software, brand name and other creative & innovative ideas are more valuable than physical assets. AVCCE- IPR Cell is committed to encourage, protect, manage and commercialize Intellectual Property such as Patent, Copyright, Trademark etc. The cell creates conducive environment in the academics for the development of Intellectual Property. So far, 11 patents were filed through this cell and among them 9 were published in IPR India journal.

To promote the wheel of excellence in Innovation, Incubation, startups and entrepreneurship to uplift the institution towards eminence of excellence in technical education, the institute has established the IIC in the year 2019. The IIC of A.V.C. College of Engineering is securing star ratings by the Ministry of Education, MHRD, AICTE India continuously based on our performance. Students/Faculty members associated with IIC will get exclusive opportunity to participate in various Innovations related initiatives and competitions organized by MHRD. IIC is promoting the students through multitudinous modes leading to an innovation promotion eco-system in the campus. Selected student teams through internal hakathan organized by the IIC are continuously participating in the Smart India Hackathon (SIH) event since the year 2017. Two of our teams won the title in Smart India Hackathon organized by the MHRD with Rs.1 Lakh cash award in the grand finale conducted in the year 2020-21 and Rs.50,000/- in the year 2022-23.

ED Cell Organizing Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes and arranging visits to industries for prospective entrepreneurs. The Department of Management Studies in association with Entrepreneurial Development Cell and IIC organizing a one day "ED Bazaar" by students every year. The platform was created to empower students to pursue entrepreneurship and thereby contribute to job and wealth creation.

The NSS, NCC, YRC & RRC make several knowledge transfers to community of different villages which ultimately become community orientation by adopting it as career/profession. The NSS and NCC have taken several government schemes to the community and recently the Swatch Bharath scheme became community orientation.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.2.2

Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 220

3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
59	47	27	62	25

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.3 Research Publications and Awards

3.3.1

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

Response: 1.12

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
35	37	23	27	27

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	View Document
Link to re-directing to journal source-cite website in case of digital journals	View Document
Links to the papers published in journals listed in UGC CARE list or	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.3.2

Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**Response:** 0.59**3.3.2.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
15	16	18	14	15

File Description	Document
List of chapter/book along with the links redirecting to the source website	View Document
Institutional data in the prescribed format	View Document
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.4 Extension Activities**3.4.1****Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their 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 in various issues. There are different student clubs/associations in the college like National Service Scheme (NSS), National Cadet Corps (NCC), Youth Red Cross (YRC) and Red Ribbon club (RRC), Yoga club, and Eco club. The activities of the institute social outreach programs include awareness programs (for environment, water conservation, rain water harvesting etc), blood donation camps, educating rural populace, educating school children for the development of soft /analytical skills/career guidance, etc.

The institution in collaboration with the District Administration conduct “College bazaar” to promote Self-help group women of Mayiladuthurai District every year. Marketing and sale of their products are taken care of our students.

In association with Tamil Nadu Skill Development Corporation, Under Naan Mudhalvan scheme, an awareness camp to pursue higher education for HSC reattempted students was conducted at the institution.

In association with Mayiladuthurai Traffic Police Students conducted survey of accidental zones on the road and collected data for providing essential facilities like Signal lights, Speed breaker, reflecting light, Divider and road extensions to be added to reduce the accident of various spot in Mayiladuthurai district

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 namely Melaiyur, Karuvazhakarai, Melapathi, Keezhaiyur and Melaperumballam in last five years. 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. Our students effectively utilized this opportunity and render their services to the village people by the way of organizing awareness programmes and Rally. Routine works are

- Renovating and cleaning work of Temples, Roads and Water tanks
- Tree plantation
- Yoga and Meditation Classes
- Solid waste Management Awareness Rally Programme
- Eye checkup camp for Village People
- General Medical camp through Indian Medical Association, Mayiladuthurai, for Village people
- Veterinary camp for the treatment of farm and domestic animals
- Census for Literacy and Health care survey of village people
- Thinking forum to the villagers every day in evening on various topics during the camp.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.2

Awards and recognitions received for extension activities from government / government recognised bodies

Response:

The institution received with “District Green Champion” award by the Tamil Nadu Pollution Control Board along with Rs.1,00,000(Rupees One Lakh) in each year as motivation amount for two consecutive years 2021-22 & 2022-23, which is a jewel to our crown.

In the academic year 2020-21 our institution was awarded district Green Champion by Mahatma Gandhi

National Council of Rural Education (MGNCRE)/New Delhi.

The institution was recognized as SWACHHTA ACTION PLAN institution by MGNCRE in the year 2021.

Our institution recognized as a member of National Rural Entrepreneurship Mission in the year 2021 by MGNCRE.

The institution recognized as Best COVID Campaign Institution by MGNCRE.

YRC club was awarded with Shield and Certificate of appreciation for conducting more number of Blood Donation Camps in this institution and donated more than 200 units of blood during the assessment years (totally 5393 units of blood in the past 25 years) for the benefits of so many needy patients of Government Periyar Hospital, Mayiladuthurai.

Towards contribution of society, the college students bagged both district level prize First and Second in Voter's awareness song and poster Competition in the year 2021-22 at 12th National Voter's Day Celebrations.

One of the faculty won Young Researcher award for the year 2020-21 for his outstanding research work by the International Journal of Electrical power and Energy System.

Our NCC faculty attended the Ek Bharat and Shreshth Bharat Camp at Jhansi, Uttarpradesh also got the Best ANO award in this camp on 2022. Also, one of the students got the Best cadet award in the year 2022.

A National Level Collaborative Indian Geospatial Mapping Event MAPATHON, where participants come together to develop new tools/methods that improve the accuracy and usefulness of maps for a community. Students contribute themselves on MAPATHON, won 3 Champions and 7 Notable participant awards.

Students conducted survey of accidental zones on the road and collected data for providing essential facilities like Signal lights, Speed breaker, reflecting light, Divider and road extensions to be added to reduce the accidents in various accident prone areas of Mayiladuthurai district and rewarded with cash amount of Rs.60,000/- along with certificates by Superintendent of Police, Mayiladuthurai District.

The institution got the Material Testing Centre for cube test and soil test from Public Works Department (PWD) and 7 Private Organizations. Institution is recognized as NPTEL Centre from the year 2021 and the faculties are awarded as NPTEL Mentor, Active SPOC, Motivational and Discipline Stars. Faculties are awarded with Best Teacher award by various societal bodies.

The institution bagged the recognition from AICTE Smart India Hackathon a nationwide initiative to provide students a platform to solve some of the pressing societal and industrial problems as mentioned by MHRD, thus inculcate the product innovation, mindset of problem solving and won first prize during SIH'20 & SIH'22 with Rs.1,50,000/-.

Our institution won "Best CSI Student Branch" and "Best CSI Student Counsellor" award in 2018-19.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.3

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

Response: 72

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
23	12	07	15	15

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	View Document
Institutional data in the prescribed format	View Document
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.5 Collaboration**3.5.1**

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 6

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	View Document
List of year wise activities and exchange should be provided	View Document
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

The institute fulfils all the norms specified by the Statutory bodies in terms of land requirement, Instructional, Administrative and amenities area.

The institution has a sprawling campus spread over 30.09 acres with all weather approach road, modern buildings for each department with technology enabled class rooms, well-stocked library, seminar halls, drawing halls, well equipped laboratories, Workshops, Staff Rooms etc.,

Classrooms

The Institution has sufficient number of well-furnished, well ventilated, Wi-Fi-enabled 35 class rooms and 12 tutorial halls for conducting theory classes with an area more than the required norms .They are equipped with ICT facility.

Laboratories

Totally 42 laboratories are well equipped for both syllabus oriented practical and research oriented activities. The Institution has an exclusive language lab equipped with audio, video facility with 30 computers.

Computing Equipment

Totally 13 air-conditioned computer laboratories are available with 560 computers to meet the computing requirements.

Co-curricular / Extra-curricular Activities

Physical infrastructure are available for NCC,NSS,EDC-Cell, IPR Cell,Women Development Cell, ECO club, and Yoga club

Conference/Seminar Hall

Air-conditioned Seminar halls in each department with audio system and LCD projector with adequate

capacity connected with 300 MBPS internet leased line with Wi-Fi are available.

Central Library

The central library is equipped with software for issue/return of books.e-access is made available and the institution has 13 department libraries and 2 PG libraries.

Placement Cell

The state of art training and placement cell is available with separate air-conditioned meeting hall for interview process.

Hostels and Waiting Halls

The institution has well-furnished separate hostels for both Boys and Girls. Waiting Halls for both genders, Sanitary pad Vending machine and incinerator are available.

Other facilities

Ramp, Wheelchair and special toilet are available for differently-abled persons. In all departments separate cabin for faculty members,HODs and Separate parking facility for faculty and students are available.

A well-equipped health centre is available in the campus with a Doctor and nurse on regular visit. College has its own 24x7 Ambulance. Transportation facility is provided to students and staff using 19 buses connecting the remote villages. Indian Bank banking facility and Canara bank ATM are available. Other facilities include Canteen, Departmental store and 24x7 securities with security personnel and 64 CCTV cameras.Lightning Arrester with 250 meter diameter protection and 84 fire extinguishers are available.

Institution has 1000 LPD four RO plants, 10 KW Solar-plant, 1000 LPD solar water heater and 10 cubic meter, Biogas plant. Separate HT service with 500KVA is available with 785KVA backup.

Facilities for Cultural and sports activities, yoga centre,games (indoor and outdoor), Gymnasium, auditorium etc

PEKAK hall with 250 seating and PEKAK Multipurpose hall with 3000 seating (1500+1500 gallery) with audiovisual facilities, podium, sound system, and LCD projector are used to conduct college functions and mega events.

The institution has a playground of 2 acres with 400m international standard track with a gallery . The college has many indoor and outdoor sports facilities. College also has a large indoor gymnasium facility with areas marked for Yoga, Weight Training and Power lifting with the equipment of Multi Gym 16 Stations.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.1.2

Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 33.86

4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
89.30	24.15	1.16	26.85	211.56

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.2 Library as a Learning Resource**4.2.1**

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

An Integrated Library Management System (ILMS) is an automated package of library services that contains several functions, which is used in Library. These functions usually include circulation, acquisition and cataloguing etc.,. Library functions such as Acquisition, Cataloging and Circulation are

automated using the software "AUTOLIB"4.2. This software is fully integrated with multi user facility .19 Computers and 1 server in the library is 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 practiced. All Students and Faculty members can access all electronic journals and e-books from any system in the campus. For public access in Library our Library has two printers with reprographic and scanning facility. The College is having membership of Springer, DELNET and NDLI. For self learning, NPTEL –IITM videos and spoken tutorial-IITB course materials are also available in central library.By providing ICT tools NPTEL and Spoken tutorial Videos are accessed by the faculties and students.. Apart from the central library, each department has a separate departmental library with reference and text books.Seperate two PG libraries also available in the campus with required books count and has all the above facilities. The Library is secured with Fire & Smoke Detectors and CCTV surveillance. Pest control treatment is done every year.

Library has rich collection of reading resources. It is spread over the 662 sq.m area including spacious reading hall. The total collection of central library is 41109 books with 17227 titles, 60 National journals, 686 International Journals (online) and 117 e-books,3122 back volumes and 2577 CDs. The library has collection of various rare books.

In PG-MCA library has the following collection:

Total Volume of Books-10509,Total No. of Titles-4284

Total Value of Books Rs-37,73,122.55,Total No. of Journals-6

Total No. of Magazine-2

In PG-MBA library has the following collection:

Total Volume of Books-9154,Total No. of Titles-4537

Total No. of Journals-6, e-Journal- 181, Back Volume Journal (160)-1236, e-Books(CD & DVD) – 08, Non Book(CD)-383, Total Value of Books-Rs.30,07,145

The Library displays the new arrivals and newspaper clippings. Open Access is given to all stakeholders. Library has a book bank with 793 books on 238 titles. The library has different sections for regular administration i.e. Stock room ,Digital Library ,NPTEL access point,Issue-Return counter, Stacking Area, Reference area, Reading Hall, Newspaper , Periodical section and Property Counter. The Library conducts book exhibition for the benefit of faculty members and students. Staff members can avail 7 books per semester and students can avail 4 books at a time for a period of two weeks. The library timing is extended during exam time.

Annual expenditure of purchase of books/e-books and subscription to journals/e- journals during the assessment period is Rupees twenty nine lakhs and seventy two thousands.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

The institute has an advanced IT infrastructure that is intended to improve the teaching and learning experience for both teachers and students. This includes a robust LAN and Wi-Fi network that covers the entire campus providing seamless internet connectivity to all members of the Institute. Computer Networks (LAN and WAN) are maintained by structured cabling and OFC. The Institute has 560 computers that are regularly updated to align with current best standards and to accommodate the evolving needs of faculty and students. Reliable software like MATLAB, LAB view, ANSYS (Licensed, open source) and firewall protections are available to ensure the security.

Hardware infrastructure: 560 systems, 26 Printers, 7 scanners, 28 UPS, 3 Smart Boards and 39 LCD projectors are available which is above the requirement of statutory bodies.

Networking infrastructure: LAN (1GBPS) ,12 Wi-Fi access points in different buildings with Active and passive components for networking Core Switch. Del Sonic Firewall is used for Security purpose System and 64 CCTV is available in the campus.

A separate system maintenance wing is 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.

Every department has a dedicated computer lab. In addition to these labs, common computing centre with 60 higher configuration systems 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 50 new computers were purchased .

Old and outdated computers are upgraded periodically. They are either replaced or enhanced with respect to configuration. Additional computing facilities are added based on the need arising out of requirements of students, research scholars and faculty. Total cost of computer peripherals and application software is 150 lakhs.

Software details (academic, examination, Server, Language base software) : Open source software Ubuntu is installed in labs for training the students and Licensed softwares: Adobe Turbo C++, ANSYS, Autodesk 2017, CAD/CAM, CADD&UNIGRAPHICS, Lab View Soft, MATLAB, Microsoft, Oracle, SOLID WORKS, SPSS AND METASTOCK, TANNER.

LAN facility upgradation:

LAN speed is upgraded from 100 MBPS to 1 GBPS

Internet with Wi-Fi facility

- Upgraded from 120 MBPS to 200 MBPS in 2020-21.
- Upgraded from 200 MBPS to 300 MBPS in 2021-22

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3.2

Student – Computer ratio (Data for the latest completed academic year)

Response: 2.9

4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 440

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1

Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)

Response: 31.57

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

2022-23	2021-22	2020-21	2019-20	2018-19
125.79	26.23	46.25	47.63	83.27

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 83.35

5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1057	1073	1150	1177	1383

File Description

Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

5.1.2

Following capacity development and skills enhancement activities are organised for improving students' capability

- 1. Soft skills*
- 2. Language and communication skills*
- 3. Life skills (Yoga, physical fitness, health and hygiene)*
- 4. ICT/computing skills*

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	View Document
Report with photographs on ICT/computing skills enhancement programs	View Document
Institutional data in the prescribed format	View Document

5.1.3

Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 56.73

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

2022-23	2021-22	2020-21	2019-20	2018-19
768	651	642	918	996

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4

The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**
- 3.Mechanisms for submission of online/offline students' grievances**
- 4.Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	View Document
Proof related to Mechanisms for submission of online/offline students' grievances	View Document
Proof for Implementation of guidelines of statutory/regulatory bodies	View Document
Details of statutory/regulatory Committees (to be notified in institutional website also)	View Document
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2 Student Progression

5.2.1

Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 48.35

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
161	198	172	141	237

5.2.1.2 Number of outgoing students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
274	365	467	365	409

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	View Document
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	View Document
Institutional data in the prescribed format	View Document

5.2.2

Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 1.65

5.2.2.1 Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)

2022-23	2021-22	2020-21	2019-20	2018-19
4	5	3	2	2

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	View Document
Institutional data in the prescribed format	View Document

5.3 Student Participation and Activities

5.3.1

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

Response: 23

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

2022-23	2021-22	2020-21	2019-20	2018-19
3	4	2	8	6

File Description	Document
Upload supporting document	View Document
list and links to e-copies of award letters and certificates	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3.2

Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 11.8

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
14	5	5	18	17

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.4 Alumni Engagement

5.4.1

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

Response:

Alumni Association aims to link the alumni with institution, develop effective plans to support the institution, achieve its vision, and enables the institute for adding value to all its stakeholders. The alumni association helps in building a network for the alumni and provides a path for reaching the corporate world. Every year Alumni meet is conducted by the Alumni association where the Alumni from all different branches are invited to share their views and suggestions on the scope of their course and also to create awareness about the professional world. This paves an opportunity for the alumni to meet other alumni's and cherish their past experiences and moments. The Alumni Association provides an avenue for sharing their intellectual, career and professional experience not only with the teachers but also with the present students. Every year, Alumni survey is taken and the Institute keeps in track of current scenario for their employment and personal status. The following are the activities carried out with the help of Alumni.

Stakeholders Meeting: The scope of annual stakeholders meeting with the parents, students, industrial experts, academicians along with the invited Alumni's are intended to share their career and professional experiences for the benefit of the institute and to ensure curriculum enrichment.

Interactive Sessions: The alumni association helps in holding interactive sessions to motivate students about the employability and educational opportunities for International level. Interactive sessions help the students in gaining knowledge on different technological areas and implementing it in their projects which in turn supports the placement activities.

- **Career Guidance:** The active members of our Alumni cell assist in career guidance by delivering guest lecture for placement preparations and higher studies. This helps the students to understand their strengths so that they get the best suitable career options.
- **Technical topics:** Several Guest Lectures on recent topics are also delivered by our Alumni's through which students get new perspectives and opinions on emerging technologies.
- **Motivational Talk:** Alumni members deliver guest lectures on motivational talks which help in turning perceived challenges into opportunities.

Industry Connectivity: Alumni helps in establishing MoUs with Industrial sector. Through this industrial connectivity, students are offered various workshops to acquire recent trends in industry, which offer the students to get Job opportunities.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Response:

The institution is having a well defined vision and mission

Vision

To blossom into a cynosure of technological innovations.

Mission

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

To ensure the efficient management and administration in accordance with the vision and mission, the college has a competent secretarial constitution comprising of:

The Judge Administrator

The Director

The Principal

The Vice Principal

Dean (Academics)

The Heads of the Departments

The Faculty & Staff Members

The Administrator holds the Executive Committee Meeting with the Principal and the Director to review the academics, administration, research and development, testing and consultancy services and/or any other agenda planned for the growth of the institution. Major policy decisions are taken in these meetings.

The Principal and Director Conduct meetings with all the Heads of the departments frequently regarding academic activities, following up on the academic calendar, students' progress, placement and training

details, research and extension activities, industry interaction, consultancy assignments, alumni interaction etc.

The Principal ensures that in all these reviews the decisions taken in the Executive Committee Meetings as well as the suggestions of the Governing council if any are effectively enforced.

The Principal and Director also meet the members of the faculty of every department once in a semester to convey the Administrator's viewpoint and also to motivate the faculty members to continue putting in efforts to deliver improved contributions thus ensuring over all good performance of the Institution.

The heads of the departments regularly conduct departmental meetings with all the members of their faculty to ensure that the various committees that have been constituted are functioning effectively to ensure maintenance as well as continuous improvement in the quality of the teaching-learning process.

Various committees are formed for decentralization and participative management. Student's representatives are assigned as members and their contributions are utilized to improve the growth of the institution. Their views and suggestions are recorded, analyzed and implemented

Internal Quality Assurance Cell

Women Empowerment Cell

Entrepreneurship Development Cell

Anti Ragging Committee

PoSH

Internal Complaint Committee

Grievance Redressal Cell

SC/ST Committee

Professional Society Chapters

Within the overall framework, faculty members have the professional operational autonomy in conducting their teaching, research, training and consultancy apart from introducing new value added courses of relevance. The department heads have both academic and functional autonomy. Heads of various departments including library and transport are given contingency amount for any incidental expenses in their department/institute and is replenished. Transparency in academic administration is achieved through well-defined roles and objectives, professional practices and processes communicated to all faculty members and students. To develop good human beings capable of rational thought and action, possessing compassion and empathy, scientific temper and creative imagination with sound ethical moorings and values, the institution is stepping towards the implementation of NEP through Universal Human Value Cell, Student Induction Program, Indian Knowledge System, Yoga Club, Institute Innovation Cell and Intellectual Property Rights Cell.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1

The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc

Response:

For the achievement of the college Vision and Mission, there is a practice of devising Strategic Plans with a long and short term perspective. Those plans cover the future course of action on the areas of Quality Assurance, Additional in students' intake of available programs on demand, New Programs/Courses, Infrastructure, Learning Resources, Skill Up gradation, R&D, Curriculum, Industry Interaction and Entrepreneurship, Green Campus and National/International Recognition

Major plans envisaged in the perspective plan 2018 - 2023 are:

- To increase the visibility of the college by thriving to get the good grade from Accrediting Organizations at all levels
 1. To apply for NBA accreditation for the eligible UG Programmes
 2. To renew the NAAC accreditation status (Third cycle) with higher grade in 2023.
 3. To maintain the standard of all departments with frequent audit ISO renewal was planned
- To apply for additional student intake in the demanded courses of UG programmes.
- To enhance the Internet & Wi-Fi facility with high speed connectivity in all academic blocks is planned.
- To make the campus as green and safe environment by planting more trees, efficient water and waste management.
- To improve and protect innovation of faculty members and students, an IPR cell to be formed.
- To promote the industry institute partnership more MoU's with industry is planned for organizing guest lecture, field visits, internships etc.
- To promote the research and development in campus by encouraging faculty members to obtain externally funded research projects.
- To enhance student enrollment, it has been planned to expose the facilities available at the Institution to the nearby schools and Polytechnics by conducting Project Expo, competitions and online quiz program
- To facilitate the rural based students and parents – TNEA online application filling process and admission counseling respectively at the institution is planned
- To enhance PG enrollment TANCET awareness programs by MCA and MBA departments to nearby college students are planned

These plans are deployed through a systematic means by empowering the concerned stakeholders and

providing them the necessary resources to make the plans to happen. The accomplishment of those plans is evident through the outcome of the research center, NBA accreditation of four programs, ISO certification, Green Awards, MGNCRE one district one green champion award, Rural entrepreneurship recognition, Swachhta recognition, best COVID center, new R & D projects, more placements etc. All these efforts are towards the outcomes like: Effective Education, Employable Graduates, Realized Mission and Satisfaction of Stakeholders.

The institute recruits the faculty members and staff as per the AICTE, Anna University guidelines and regulations. The staff selection committee reviews and recommends the deserved candidates for appointment. The promotions are given as per the policy of the institute. Parents Teachers meeting are conducted twice a year and the parents concerns are also well taken care.

File Description	Document
Upload Additional information	View Document
Institutional perspective Plan and deployment documents on the website	View Document
Provide Link for Additional information	View Document

6.2.2

Institution implements e-governance in its operations

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3 Faculty Empowerment Strategies

6.3.1

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:

- The Performance evaluation of the faculty by the students is obtained with regard to course delivery by the teacher concerned twice in every semester – in the middle and at the end of the semester. This course wise feedback is obtained through online mechanism. The faculty member performance is reviewed by the head of the department and higher authorities through appraisal system. The outcome is communicated to the faculty members concerned. The analysis report is informed to each faculty for their improvement and encouragement.
- The evaluation of non-teaching staff is being done by concerned lab course handling faculty at the end of every semester and submitted to HoDs for further suggestions.

Effective Welfare measures for teaching and non-teaching staff

All the Teaching and Non – teaching Staff are well taken care by the college administration fulfilling the necessary statutory and regulatory welfare measures.

- As per Anna university/AICTE regulations, M.E qualification is the gateway entry for becoming Assistant Professor. Faculty members are encouraged to pursue Ph.D program and for Ph.D faculty, institution provides a special incentive to those who obtain the above qualification.
- Group insurance is provided to all staff members with Rs. 5,00,000 death claim. The Staff members are covered under Employment Provident Fund Scheme as per the Government rule. Medical Re-imburement is provided to staff members for unexpected events. Institution offers support in availing loans, festival advances and bonus are provided for all staff members.
- Staff members are sanctioned all leaves (Casual Leave, Marriage Leave, Maternity Leave and Privilege leave) approved by government.
- Institution Provides Uniform to the house keeping staff members.
- For Security persons and Bus drivers lunch is provided from the students home at free of cost.
- College supports faculty members to attend FDPs, Conferences, Seminars, Workshop organized by other institutions. Staff members are supported with On Duty for pursuing Ph.D, for attending national and international conferences. Faculty members are motivated to apply for research projects to various funding agencies.
- Caring for the health of its employees, Institute provides proper first aid facilities to teaching, non-teaching staff and students through a well furnished health centre. A permanent qualified nurse is appointed to do first-aid to the needy. Every Tuesday, a doctor visits our health centre to provide medical advice and treatment. During emergency first-aid is given to affected persons and then transported to hospital. Ambulance facility is available for the staff and students round the clock.
- They are allowed to use the gymnasium and indoor games.
- Separate Two wheeler and four wheeler parking facilities are provided to staff members
- Staff members can also avail College transport facilities to ensure hassle free and safe transportation. 19 buses are being operated in various routes for staff and students.

- College has canteen facility in the campus which provides hygienically prepared vegetarian food and refreshments. Reverse Osmosis plant is installed in college campus to cater drinking water needs of Teaching & Non-teaching staff, Students and Visitors.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.3.2

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

Response: 3.04

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

2022-23	2021-22	2020-21	2019-20	2018-19
12	01	01	01	03

File Description	Document
Policy document on providing financial support to teachers	View Document
Institutional data in the prescribed format	View Document
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	View Document
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	View Document

6.3.3

Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 28.99

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
72	65	75	55	47

6.3.3.2 Number of non-teaching staff year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
98	98	98	98	98

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	View Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	View Document

6.4 Financial Management and Resource Mobilization

6.4.1

Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)

Response:

Fund Mobilization

The major source of income for the Institution is the annual student fees, PMSS course fee for SC/ST students, Tuition fees for First Graduates and full fees for 7.5% Government school quota by the government. In addition examination fees collection are made from the students. The college extends the

infrastructural support to the Government and other agencies for conducting classes and examinations in the vacation periods and weekends with necessary rent. Interest accrued from college saving bank account and fixed deposits and endowment funds from the various donors fixed deposit are additional revenues. Further, income is also generated through Consultancy services. Miscellaneous income is obtained from exam application processing fee and bonafide certificate fees from the students.

The grants are received from both state and central government funding agencies. Besides, the college also taps funds from the funding agencies in the form of AICTE, DST, SERB, ICSSR, Major-Minor projects, conference grants and Tamil Nadu State Council for Science and Technology for conference and training.

Further, amount received from rent of ATM Machine & BSNL Tower, disposal of E-waste, used papers and condemned articles. Agricultural activities of the college yield income through the production. The college leases the canteen and raises funds.

Utilization of Funds

The Institution has a mechanism to monitor the effective and efficient use of financial resources. Head of department conducts a department meeting to finalize an annual budget for their department. The expenses required for the department activities such as organizing co-curricular and extracurricular activities are also included in the annual budget. The budgets of all departments are reviewed by principal and the final consolidated budget is forwarded to the administrator for final approval. Honorable Administrator will approve the funds every year for purchase of equipments and various activities.

Mobilized funds are effectively utilized for Human Resource- Faculty and staff salary, incentives and welfare measures, physical or infrastructure resources-building and equipments.

The Internal audit is done and the financial statement is placed before the administrator for optimal use of resources.

Institution conducts internal and external financial audits regularly

College undertakes Internal and external Financial Audits regularly at periodic intervals. Thiru.M.Sundaramahalingam, B.Com. FCA, Chartered Accountant, Mayiladuthurai / Mr.A. Krishnamurthy CA, Chennai is the internal financial auditor for the college for verifying the internal documents every year. The annual internal audit is being conducted by auditor and he submits the findings and suggestions in the form of report at the end of every financial year to the college. The grants received from the funding agencies are spent as per its guidelines are audited and relevant Utilization certificate duly signed are sent to the concerned authority. Government local fund Auditor will also check the documents as per the Government norms. Tuition Fees collection through reimbursement from Government Scholarships (7.5 Government School Scheme, PMSS, BC/MBC, SC/ST, First Graduate and Private Scholarships (Foundation for Excellence -FFE)). At the end of the financial year, account details are verified.

File Description	Document
Upload Additional information	View Document
Provide 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. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

Contribution of IQAC for institutionalizing the quality assurance strategies and processes

IQAC is an effective and efficient internal coordinating and monitoring mechanism and plays a vital role in maintaining and enhancing the quality of the institution. The IQAC meetings are conducted frequently to evaluate the teaching learning process. IQAC aids in Academic audit and instrumental in signing of MOUs with various organizations.

Role of IQAC in review process

For Monitoring of academic and administrative activities, the inspections are carried out periodically by IQAC.

For Academic guidance, the Academic Calendar is prepared in advance and circulated. The academic requirements such as working days schedule, CIA tests, Web Portal entry dates are strictly followed. Students Induction Program is also arranged for all newly joined students to understand the rules and regulations and facilities available.

For enhancing the infra structure, learning experiences and outcome based education, the Course plan is prepared by the faculty members for all the courses in the semester. From the past CO-PO mapping curricular gaps are identified and filled with relevant technical invited talks, industrial visits and Internships etc

IQAC cell is instrumental in the Evaluation of faculty by students by using online feedback system by students on teaching methodologies. Based on the feedback report corrective measures are initiated. The performance of the students is regularly monitored by IQAC by collecting and analyzing data on student learning outcomes by reviewing class test and CIA test. Students are categorized based on their academic performance as advanced, mediocre and slow learners.

Already, ICT enabled teaching and learning processes was in progress and after the COVID-19, the intensity of usage of online teaching, learning through Webinar and Online quiz became enhanced.

IQAC provides the guidance for students skill development (internship, aptitude training programs) and enables the students to get better placement. The cell also provides quality initiative to the staff members to organize and attend various seminars/workshops/Conferences.

The IQAC cell also provides collaborative quality initiatives with other institution by signing MoU and associated activities. It also enhance the professional society interactions.

Incremental Improvements in various activities

- NAAC Accreditation
- NBA Accreditation for Four Programmes B.E (CSE, MECH, ECE & EEE)
- ISO certification
- MGNCRE - Mahatma Gandhi National Council of Rural Education, One District One Green Champion Award for institution.
- Four Star status from Institution Innovation Council (IIC), Govt of India.
- Best Covid Campaign institution by MGNCRE.
- National Cyber Defense Resource Center, NPTEL Local chapter, NDLI Club, National Innovation and Start up Policy (NISP) cell are successfully inaugurated.
- Smart India Hackathon 2021-First Prize of Rs.1 Lakh and 2022-First prize of Rs.0.5 Lakh.
- YRC Received Appreciation certificate and shield for maximum blood donation.
- 50 students (Both from UG & PG) got Anna University Ranks during the period 2018 to 2023.
- More Funded Projects from AICTE, SERB, DST and ICSSR.
- Renewal of Research centre.

All these efforts are towards the outcomes like: Effective Education, Employable Graduates, realized Mission and satisfaction of Stakeholders.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5.2

Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**
- 3.Collaborative quality initiatives with other institution(s)**
- 4.Participation in NIRF and other recognized rankings**
- 5.Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	View Document
NIRF report, AAA report and details on follow up actions	View Document
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	View Document
Link to Minute of IQAC meetings, hosted on HEI website	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

The institution being a co-education institute gives equal opportunity for both male and female students to pursue their Engineering, Management and Computer Applications programs. Comparatively more female students are enrolled, with a 68% average over the past five years. Similarly, the average percentage of female faculty and staff personnel is 52%. This situation makes the Institution to take more steps towards women safety, empowerment and women representation in various forums. Since faculty and students are considerably more, a culture of women centric decision making is prevalent in the Institution. Among the ten Heads of the Departments, four Heads are women. This clearly shows the Heads are appointed on their competency and skill only. No gender discrimination is made. Similarly among the 39 active cells and committee functioning institution, 20 are headed by Women faculty members. These representations ensure Women in management and decision making avenue. In all the events conducted in the institution, gender equity is ensured. Equal opportunities are given for both genders in curricular and co-curricular activities. All the team activities involve both male and female members. No discrimination is made by gender. Ofcourse some Gender specific teams are involved in sports activities. Any student committee formed has equal representation from both male and female students.

Smart India Hackathon teams also consists both boys and girls.

The Institution has established a Women Empowerment Cell in the college campus to empower girl students, to enhance understanding of issues related to women and to make the college campus a safe place for women students. With a view to taking up women's issues and problems, the cell aims at creating awareness of their rights and duties. It also provides a platform for women to share their experiences and views regarding their status in the society and to suggest ways to improve and empower themselves. Aiming at intellectual and social upliftment of the female students, the cell stands for facilitating women's empowerment

through guest lectures, seminars, awareness programmes and other welfare activities. During Women's day celebrations, various events and competitions are conducted for girl students and women faculty members and prizes are distributed. Women Housekeeping staff are also honoured on women's day.

The professional psychologist of our institution for counselling the students is also a woman. Many women specific facilities are offered in the Institution. Online Grievance Redressal Cell and 24*7 Women Helpline is available in the college website. Grievance redressal cell, Anti-ragging committee and Anti-ragging squad ensure safety and security to girls students. Also a PoSH cell to prevent sexual harassment is actively functioning. The Institution has a separate Girls waiting hall with necessary amenities such as furniture, resting benches, sanitary napkin disposal machine, rest rooms, proper ventilation, sinks, lighting etc. The Institution is safe guarded with CCTV in all floors of department blocks, 24x7 Security guards in all gates and hostels.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.1.2**The Institution has facilities and initiatives for**

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and nondegradable waste**
- 3. Water conservation**
- 4. Green campus initiatives**
- 5. Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	View Document
Geo-tagged photographs/videos of the facilities.	View Document
Circulars and report of activities for the implementation of the initiatives document	View Document
Bills for the purchase of equipment's for the facilities created under this metric	View Document

7.1.3**Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following**

- 1. Green audit / Environment audit**
- 2. Energy audit**
- 3. Clean and green campus initiatives**
- 4. Beyond the campus environmental promotion activities**

Response: C. Any 2 of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	View Document
Policy document on environment and energy usage Certificate from the auditing agency	View Document
Green audit/environmental audit report from recognized bodies	View Document
Certificates of the awards received from recognized agency (if any).	View Document

7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

The Institution has been taking all efforts to offer an inclusive environment in various aspects. When the students enrolled in their first year after admission through a 15 day student induction program, Universal Human values such as Aspiration & Expectations, Competition & Excellence, four orders, self confidence, Gratitude, positive attitude, Trust, Health & Hygiene, Social responsibilities, self, body and desires, Relationship and family, Respect and Anger are imparted with expert speakers. Apart from these topics, peer pressure, Yoga and meditation and Tamil cultural are also imparted. All this topics imparts values to all the students.

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

In order to enrich the moral values, rights and duties among students and staffs with respect to abiding by the constitution, various measures were taken by the Institution. Lectures were arranged with regard to road safety measures to be adopted, Election voting awareness, Being Honest and Resistant to corruption and other such programmes. Various seminars and lectures were conducted to inculcate the importance of following ethics in learning and working environment. Faculty members were permitted to participate in faculty development programmes on Professional ethics, Universal Human Values and knowledge sharing sessions were organised

in which the faculties share the insights gained to other staffs and student community.

The Institution has celebrated the following commemorative 10 days/events/festivals: International

Women's Day on March 8th of every year, National Engineer's Day on September 15, and International Yoga Day on June 21 are celebrated in the institution. On Yoga day, through special yoga sessions staffs and students learn and practice yoga exercises. Pongal (Makarasnkaranthi) Day celebrations take place every year in the month of January. Students enthusiastically cook Pongal in separate groups which will be a colourful event to watch. Cultural events such as traditional village dance forms will be performed by students such as karagam dance, folk dance and martial arts forms etc.,

Republic day and Independence days are celebrated every year. Faculty and students give talks on various topics of national importance. They also read out poems/ verses on the themes. The sample topics are Preserving Independence, responsibilities of Indian Citizens, Vision of Students, and Heroes of Independence Struggle etc. Similarly various days as per AICTE/ MHRD instructions/ State/Central government announcements are also commemorated.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.2 Best Practices

7.2.1

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

Response:

Best Practice 1

1. Title of the Practice

Green is the way to go

2. Objectives of the Practice

To create environment consciousness, Maintain biodiversity, Increase Tree plantation, Use of renewable energy and Effective waste management.

3. The Context

Environmental degradation and the effects of climate change are the most pressing issues confronting the modern world. There is a need to educate students and public about these issues and their negative effects on communities and human life. Environmentally sustainable campus makes the students to imbibe, if nature is conserved, climate change may be averted. The green natural setting provides a conducive learning environment.

4. The Practice

8000 indigenous trees and 500 saplings of different species of plants are in the campus. Planting of trees is a continuous practice during environmental day, national festivals, VIP visit, etc., Rain-water harvesting is in place for recharge of ground water. Campus maintains waste collection and disposal. Totally 9 bore-wells and 5 RO plants for water requirement.

Institution promotes paper conservation through email circulars and insist the Students to pay fees through online.

Institution celebrates the World-Environment-Day, Energy-Conservation-day, every year by conducting Seminars, Guest lectures & Tree plantation. Eco club is taking care all these activities periodically. House-keeping department is functioning to maintain gardens and campus cleaning.

A Biomass Gasifier and accessories are installed with 25 Lakhs financial support by AICTE under RPS Scheme to convert bio mass in to fuel gas through thermal root. Napkin-Vending-Machine and incinerator are established.

The different types of waste like solid, liquid, E-waste, and damaged equipment are properly segregated before disposal. E-waste & other laboratory damaged equipments are disposed as per statutory norms.

The department of Mechanical Engineering, Computer Applications and Chemistry departments are Anna University approved Research Centres for the award of PhD and MS (By Research). Bio-composites, Bio-fuel, Biomass gasification, fuel from different torrefied biomass, Solar power utilization and Electric vehicle technologies are some research domains which are now being carried out.

5. Evidence of Success

Institution was awarded Green Champion in 2021&2022 by TN-Pollution-Control-Board with 1 lakh cash. 23 Research papers in green areas were published in journals and conferences. SERB Research Grant of Rs 21,82,730/- and AICTE-MODROBS grant of Rs 14,73,334/- were received.

6. Problems encountered and resources required

Ensuring involvement of villagers in Green initiatives was also difficult as most of them are peasant and coolie. Expanding in the nearby areas requires huge fund.

Best Practice 2

1. Title of the Practice

On the way to NEP 2020

2. Objectives of the Practice

- To transform into a holistic multidisciplinary institution
- To strengthen the vocational education and soft skills of students in alignment with National Skills Qualifications Framework

- To integrate the Indian Knowledge system (teaching in Indian Language, culture etc.) into the curriculum and to transform curriculum towards OBE

3.The Context

A good education system is one which develops good human beings capable of rational thought and action, possessing compassion and empathy, courage and resilience, scientific temper and creative imagination, with sound ethical moorings and values. Our institution also aims at producing engaged, productive, and contributing citizens for building an equitable, inclusive, and plural society. Making the student feels welcomed; creating safe and stimulating learning environment, providing wide range of learning experiences and providing good physical infrastructure and appropriate resources conducive to learning to all students are the tools for a good educational institution. NEP 2020 fulfils all the above aspects and we are marching towards it.

4. The Practice

Different learning avenues are utilized apart from curriculum with various clubs&cells. Women Empowerment Cell looks after Gender parity. Human value is taught through the Universal Human Value cell since 2020.

Induction-programme is conducted to the first year UG students before the commencement of the regular classes, to obtain holistic learning. To share Indian culture and knowledge “Heritage of Tamils” and “Tamils and Technology” is taught to the students in Tamil by Tamil faculty. Exams for these subjects can be written either in English or Tamil.

University offers multiple entry and exit plans for students through the regulation 2021 like flexibility to drop courses, online-courses instead of professional/electives, credit transfer, B.E/B.Tech Honours options and Minor degree.

Community engagement is the part of the extension activities for the NSS, NCC and Eco Club. Research and Innovation Eco system practised is supported by the R&D Cell enabling multi-disciplinary projects and researches. Some of them are funded by Institutional RPS. Eleven IPRs have been filed. A total of Rs 38 Lakhs fetched in last 5 years from various funding agencies.

Efforts are made to strengthen the vocational education and soft skills of students in alignment with National Skills Qualifications Framework. The “Naan Mudhalvan” Scheme and PMKVY scheme was successfully deployed in the institution till COVID 19.

The learning of problem solving skills is evident as our students won in the Hackathon, Mapathon competitions.

The Outcome-based Education model is followed since 2017. All curriculum have set programme objectives(POs) and Programme Specific Outcomes(PSOs). The CO-PO mapping is practised to fill the curricular gaps. 60% of UG programmes are accredited with NBA till 2025.

38 LCD Projectors, 03 smart-boards are used for ICT enabled teaching and learning. NPTEL, IITB Spoken-Tutorial, SoloLearn and HackerRank practices are offered.

5. Evidence of Success

AICTE trained and certified 24 staff members on Universal Human values. Request for offering B.E Honours degree for four eligible students has been initiated with Anna University. Since 2017, students' team enter the grand finale of Smart-India Hackathan and won title twice in the year 2021 & 2023 and also won the Mapathon-2023.

The number of Ph.Ds increased from 34 to 58 and 309 Journal articles and 44 Books were published and 11 Patents were filed.

Under "Naan Mudhalvan"(TN Government Skill Development Programme) 600 students were trained and 800 are trained. Totally 6000 students were certified under NPTEL/IITB Spoken-Tutorials. In PMKVY scheme 64 members of the society were trained.

6. Problems encountered and resources required

Being an affiliated college, flexibility in curriculum adoption and development are highly restricted.

File Description	Document
Best practices as hosted on the Institutional website	View Document
Any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1

Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

The Institute with its Vision and Mission strive to participate in the noble cause of nation building by offering professional education, research and training in engineering and technology especially to the rural based Students. It empowers its stakeholders (Faculty, Students, Employers, Alumni), offer increased Industry interactions through training, placement and consultancy and also creates Social, Moral, Environmental awareness by following best practices such as recycling, using renewable sources of energy, value education, community service etc. It believes that this will not only develop professional engineers having respect for the environment and nation but also will contribute to technological development both from an Indian and global perspective. The institute takes numerous initiatives to promote Intellectual/Professional Competency by Innovation and Research Eco system leading to IPR. The faculty and students are encouraged in research and development with

the Institutional support. Various forums like IIC, R&D Cell, IPR Cell, ED Cell are functioning to achieve the following objectives, To motivate and encourage students and faculty to put in efforts to actively participate in the Eco system.

? To promote research interests among the students and faculty members with institutional support.

? To enable innovative and inter department collaborative research projects.

? To aid in fetching funds from various agencies.

? To increase Publication and Technology development.

? To increase number of IPRs owned.

Through these cells programs are conducted for fostering Creativity, Innovation and Research in the Institution.

Results of learning will be evident and fruitful only when applied for the development of society. This is the basic idea to stimulate innovation and research in the campus. Efforts are taken by HEI to identify the potential students and support them in their needs to fulfil their ambitions. This brings a competitive climate and the spirit is enjoyed by students. The students are mentored and motivated to enrol in various NPTEL and MOOC courses. Students are encouraged to organize events in association with professional society chapters, various cells and clubs to increase the leadership qualities. Cells like IIC and EDC have conducted

various technology related competitions to promote Innovation among the students. The R&D Cell forms a peer team of professors from all disciplines whose primary task is to call for research proposals from faculty/students and scrutinize those proposals. The selected proposals will be permitted to be carried out and the required funding and resources will be arranged by the Institution. Similarly the faculty pursuing Ph.D are given sufficient support to continue the research. The interested students are allowed to discuss their ideas with faculty and one or two faculty members become mentors of the group. The final year projects, TNSCST student project proposals With proper faculty guidance, some projects turn out to be note worthy and they are appreciated as best

projects. The student group is given IPR awareness and encouraged to apply for patents. Even steps have been taken to get GST exemption for research equipments and DSIRO Exemption process is on. By utilising the KAPILA scheme by MIC, Government of India, various Patent applications have been filed from the HEI. There is a continuous increase in numbers of Student Publications, Faculty Publications, and Research Grants like MODROBS, RPS, and financial Aids for various FDPs, STTPs, Seminars, and student University Ranks holders. Professional development of faculty members is supported by the Institute. They are supported to participate in FDPs, STTPs, seminars, Conferences etc. HEI being a NPTEL local chapter, faculty members and students can get various certifications through NPTEL SWAYAM program. Students are encouraged to undergo Inplant training, Internship and Industrial visit regularly to enhance their industrial exposure and get training in latest industrial practices and standards. In plant

training/Internship is compulsory as per Anna university R21 regulation for all UG programs.

The joy and feeling of accomplishment is always evident during the college day celebrations. The students were awarded with endowment prizes and faculty and staff members are appreciated for NPTEL certifications and other achievements like publications, IPR filing, fetching grants and academic excellence. The research eco system implemented in the institution has seen success.

Several research equipments and other research infrastructure has been created through funding from agencies like AICTE, SERB, TNSCST through RPS, MODROBS and students project schemes respectively for a sum of rupees 73,67,500/- in the past five years. Faculty members and students of Electrical & Electronics Engineering had successfully designed and developed a pollution-free electric vehicle that is serving its purpose. Student teams participated in events like Hackathon, Mapathon etc and Solutions for the various Ministry Problems were addressed. Few teams were selected for Grand

Finale of Smart India Hackathon, continuously since 2017. In the Smart India Hackathon Grand finale 2021 & 2022, participating teams got the first prize with a cash award of Rs.1 Lakh and 50,000 respectively from AICTE.

The IPR initiatives have given fruitful results and the number of Published patent applications in the past year (2022-23) has increased from 9 to 11 publications.

The required resources are available in the institution. Some technical evaluation and tests for research purpose had been undertaken in nearby institutions with the collaboration maintained by the Institute. Also grants from various agencies are helpful. The faculty members and students understand this Research Eco system and continuously endeavour in pursuit of increased Intellectual capacity.

File Description	Document
Appropriate web in the Institutional website	View Document
Any other relevant information	View Document

5. CONCLUSION

Additional Information :

The institute enjoys goodwill amongst public and society and has good enrolment since inception with very good academic results. The admission in both UG and PG courses are highly transparent. For UG admissions 65% of the total intake (Government Quota) is done by Anna University through single window system and the remaining 35 % (Management Quota) on merit basis by the Consortium of Self-financing Professional, Arts and Science Colleges. The percentage of distribution for PG Courses is 50. In this assessment period of 5 years, more than 67 % of our faculty members have presented their papers in reputed Journals and Conferences, 50 University Ranks (43 P.G and 7 U.G students) including two consecutive University First Rank in B.E ICE and one in M.C.A. A Multipurpose Hall with a seating capacity of 3000, with two badminton and table tennis field facility at a total cost of 8 Crores is available. College Approach Road was re-laid with Paver Block for a total cost of 28 Lakhs. Green environment, Renewable energy utilization, Water conservation, Waste management, Smart classrooms, Continuous support for skill development for students & Faculty members, transparency in correction of answer sheets, Outcome Based Education, 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 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 inception 10356 students have been graduated with flying colours and are well placed in their career.

Quality in all aspects is our vision and can be fulfilled by accrediting the institution with the agency like NAAC. With all the above said facts, we are applying for the accreditation.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.1	<p>Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)</p> <p>Answer before DVV Verification :</p> <p>Answer After DVV Verification :51</p> <p>Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.</p>																				
1.2.2	<p>Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years</p> <p>1.2.2.1. Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>970</td> <td>838</td> <td>122</td> <td>731</td> <td>382</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>288</td> <td>1077</td> <td>284</td> <td>729</td> <td>487</td> </tr> </tbody> </table> <p>Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.</p>	2022-23	2021-22	2020-21	2019-20	2018-19	970	838	122	731	382	2022-23	2021-22	2020-21	2019-20	2018-19	288	1077	284	729	487
2022-23	2021-22	2020-21	2019-20	2018-19																	
970	838	122	731	382																	
2022-23	2021-22	2020-21	2019-20	2018-19																	
288	1077	284	729	487																	
1.3.2	<p>Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)</p> <p>1.3.2.1. Number of students undertaking project work/field work / internships</p> <p>Answer before DVV Verification : 660</p> <p>Answer after DVV Verification: 638</p> <p>Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.</p>																				
2.1.2	<p>Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years</p> <p>2.1.2.1. Number of actual students admitted from the reserved categories year wise during</p>																				

last five years (Exclusive of supernumerary seats)

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
116	124	83	66	126

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
347	339	276	237	341

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
224	224	270	270	270

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
368	368	456	456	456

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years**2.4.1.1. Number of sanctioned posts year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
111	115	121	123	121

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
112	115	121	124	121

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)**2.4.2.1. Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
61	48	43	40	38

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
61	53	47	39	34

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

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

3.1.1.1. **Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
24.15	15.55	0	0.23	0.19

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
24.15	14.62	0	0.23	0.19

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

3.2.2 ***Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years***

3.2.2.1. **Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
80	60	31	71	33

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
59	47	27	62	25

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

3.3.1.1. Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
56	49	57	65	82

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
35	37	23	27	27

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

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

3.3.2.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
51	42	33	39	64

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
15	16	18	14	15

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

3.4.3 Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community 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 etc., year wise during the last five years

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
30	20	8	19	16

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
23	12	07	15	15

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

3.5.1 ***Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.***

Answer before DVV Verification :

Answer After DVV Verification :6

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

4.1.2 ***Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years***

4.1.2.1. **Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
174.67	26.31	9.77	32.68	225.27

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
89.30	24.15	1.16	26.85	211.56

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

4.3.2 **Student – Computer ratio (Data for the latest completed academic year)**

4.3.2.1. **Number of computers available for students usage during the latest completed academic year:**

Answer before DVV Verification : 560

Answer after DVV Verification: 440

Remark : As per the revised data and clarification received from HEI, based on that DVV input is

recommended.

4.4.1 Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)

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

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
137.90	98.02	75.16	135.35	198.77

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
125.79	26.23	46.25	47.63	83.27

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

5.1.3.1. Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
775	662	651	934	1004

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
768	651	642	918	996

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years

5.2.1.1. Number of outgoing students placed and / or progressed to higher education year wise during the last five years

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19

171	199	173	141	242
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Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
161	198	172	141	237

5.2.1.2. Number of outgoing students year wise during the last five years

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
320	408	478	404	620

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
274	365	467	365	409

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

5.2.2 *Percentage of students qualifying in state/national/ international level examinations during the last five years*

5.2.2.1. Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
4	5	3	2	3

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
4	5	3	2	2

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

6.3.2 **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:

2022-23	2021-22	2020-21	2019-20	2018-19
34	8	3	10	23

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
12	01	01	01	03

Remark : As per the revised data and clarification received from HEI, and financial support of less than Rs 2000 should not be considered, thus based on that DVV input is recommended.

6.3.3 **Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

6.3.3.1. Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
88	91	90	85	47

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
72	65	75	55	47

6.3.3.2. Number of non-teaching staff year wise during the last five years

Answer before DVV Verification:

2022-23	2021-22	2020-21	2019-20	2018-19
104	103	101	106	114

Answer After DVV Verification :

2022-23	2021-22	2020-21	2019-20	2018-19
98	98	98	98	98

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

7.1.3 **Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following**

1. Green audit / Environment audit

2. Energy audit
3. Clean and green campus initiatives
4. Beyond the campus environmental promotion activities

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: C. Any 2 of the above

Remark : As per the revised data and clarification received from HEI, based on that DVV input is recommended.

2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p>Number of teaching staff / full time teachers during the last five years (Without repeat count): Answer before DVV Verification : 140 Answer after DVV Verification : 133</p>																				
1.2	<p>Number of teaching staff / full time teachers year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>111</td> <td>115</td> <td>121</td> <td>123</td> <td>121</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>112</td> <td>115</td> <td>121</td> <td>124</td> <td>121</td> </tr> </tbody> </table>	2022-23	2021-22	2020-21	2019-20	2018-19	111	115	121	123	121	2022-23	2021-22	2020-21	2019-20	2018-19	112	115	121	124	121
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111	115	121	123	121																	
2022-23	2021-22	2020-21	2019-20	2018-19																	
112	115	121	124	121																	
2.1	<p>Expenditure excluding salary component year wise during the last five years (INR in lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>312.58</td> <td>124.36</td> <td>84.93</td> <td>168.3</td> <td>424.45</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2022-23</th> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> </tr> </thead> <tbody> <tr> <td>234.34</td> <td>125.75</td> <td>78.63</td> <td>165.76</td> <td>438.07</td> </tr> </tbody> </table>	2022-23	2021-22	2020-21	2019-20	2018-19	312.58	124.36	84.93	168.3	424.45	2022-23	2021-22	2020-21	2019-20	2018-19	234.34	125.75	78.63	165.76	438.07
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