SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

ANNAPOORANA ENGINEERING COLLEGE

NH-47,SANKARI MAIN ROAD,PERIYASEERAGAPADI,SALEM
636308
www.aecsalem.edu.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

December 2019

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Annapoorana Engineering College (AEC) was promoted by the famous Thirumuruga Kirupananda Variyar Thavathiru Sundara Swamigal Medical Educational and Charitable Trust (TKVTSSMEC Trust) in the year 2010. The trust is a pioneer in offering higher education for over 3 decades in the fields of Medical, Engineering, Dental, Pharmacy, Nursing, etc. It is always striving to impart quality education to all the students by providing state of art facilities, good academic ambience, opportunities to interact with top academicians / professionals and right motivation to take part in co-curricular and extracurricular activities.

Annapoorana Engineering College is becoming a shining example of 'inclusive' culture providing quality education to students belonging to socially deprived groups. In this sense, this college is proving to be a forerunner to the principle of social justice that was powerfully enunciated and enshrined in the constitution of Indian Republic. It aims at producing "Industry Ready World Class Engineers".

Annapoorana Engineering College is duly approved by AICTE, New Delhi and affiliated to Anna University, Chennai. It offers 6 Undergraduate Programmes in Engineering, B.E. - Civil Engineering, Computer Science & Engineering, Electrical & Electronics Engineering, Electronics & Communication Engineering, Mechanical Engineering and Automobile Engineering and 2 Postgraduate Programmes in Engineering M.E.- Computer Science and Engineering and Power Electronics & Drives.

Vision

To achieve greater recognition in our chosen fields of Endeavour and to excel as one of the renowned engineering institutions with respect to technical education and research so as to produce competitive student's workforce to compete in the current Global Scenario.

Mission

- To achieve the recognition as one of the elite engineering colleges through research, innovation in education, and the transfer of concepts and results to technology and engineering practice.
- To provide students with the fundamental knowledge, interdisciplinary problem solving skills, societal and business awareness, and confidence required to excel in their chosen professions and be leaders in a Global environment.
- To maintain a collegial, supportive, and diverse environment that encourages our students, faculty, and staff to achieve and compete to the best of their abilities

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Experienced and well Established Management with a broad vision towards academic Excellence.
- Institution has acquired ISO 9001:2015 certification.
- WI-FI enabled high speed (100 Mbps) Internet facility in Campus and Hostels.
- An ambient and conducive atmosphere to achieve Academic Excellence.
- Scholarships in Tuition Fees for deserving students from Management.
- Parents' meets are organized once in a semester to take their feedback and take corrective actions. Twenty-four hours medical care is available in the College.
- 11 Computer laboratories with 400 computers.
- Library has e-governance facilities with good ambience for utilization.
- Class rooms are with ICT facility that includes Projectors, Wireless microphones, Modern Interactive boards, Desktop and video recorder with internet facility.
- Strong student feedback system.
- Strong Industrial linkage by having active MoU's with the Industry.
- State of Art computing facilities / lab infrastructure / Internet Connectivity.
- Strong student mentoring system.
- The campus is completely ragging free environment.
- Incubation centers in departments.
- Very good placement Records.
- Free Bus facilities to staff and students.
- Motivation of Faculties by attending FDP, Conferences and workshop
- The faculties of the Institute are flexible and responsive to satisfy student needs.
- There is very healthy and congenial students-teachers relationship.
- Certificate programs, Value added/Life skill Programs and Vocational training Courses year wise to enhance the Employability skills and to bridge the industrial needs.
- Training for placements & other competitive Examinations.
- Quantitative no's of Guest lectures, seminars, Industry visits, Workshop, Symposium, Internship, Field Projects and Inplant training activities for student's development.

Institutional Weakness

- Research and development, consultancy and extension activities with National agencies and Industries are to be strengthened
- Most of the students are from rural areas, Communication skills need to be improved.
- Collaborations for student and faculty exchange programmes in India and abroad.
- Patent registration
- Attracting students from other state and country is difficult.

Institutional Opportunity

- Alumni in key positions to improve Contribution and community links
- Collaboration with Institutes of repute & foreign universities for student-faculty exchange program
- To increase Institute's visibility at National & International level
- Focus to improve Industry institute Research collaboration
- To get the status of Autonomous Institute Developing more skill centre for vocational/ Advanced Skill/Research Centre in creation of more Centre's of Excellence (CoE)

Institutional Challenge

- To make 100% students employable in Reputed and Core Industries.
- Major Gap in curricula as per Industry standards and not able to modify it as per market needs Keeping pace with technological advancement
- To motivate faculty for New Product Development/Research/R&D/Innovation
- Getting Consultancy from more number of industries / organizations.
- Getting Placement in Top level Tier-1 industries with high annual income.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

- The Institute follows the curriculum prescribed by the Anna University. The curriculum is well translated to the students after through preparation as well as critical thought by the teachers concerned.
- 7 faculty members are actively involved in academic committee.
- Choice Based Credit System introduced in 6 UG programs and 2 PG programs from the academic year 2017-18.
- 244 new courses have been introduced in the past 5 years.
- The institution encourages the faculty to keep themselves update their knowledge by offering refresher courses, faculty development programmes and workshops.
- The institution has provided 56 value added courses and 72 certificate courses to students for developing skills to bridge the gaps in the syllabus.
- About 62% of students participated in certificate and add-on courses.
- Institution is sensitive to gender, environment issues, human values and professional ethics. Anna University has introduced courses on professional ethics, Human values and Environmental science.
- Departmental activities are scheduled which include Industrial visits, Implant training, Guest Lectures, Symposium, Seminars, Conference, Placement and Training and Association activities.
- About 456 students have undertaken the field projects and internship.
- The IQAC academic coordinator monitors and assists the faculty members for effective curriculum delivery.
- Department invites suggestion and feedback from students, teachers, employers, Alumni and parents regarding the curriculum and institution ensure its availability in the website.

Teaching-learning and Evaluation

- Directorate of Technical Education (DOTE), Tamilnadu State regulates engineering admissions for UG and PG through centralized admission procedure. Students from Kerala and Bihar of India are admitted as per government norms. All admitted students are enrolled in Anna University.
- The institute is having well defined mechanism to assess the learning levels of the students. Advanced learners and slow learners are identified and appropriate measures are taken accordingly. For Advanced learner's measures taken are, training program, guidance for Competitive Exams, paper presentation, model making etc. Measures like counseling for academic related issues, conduction of remedial classes, are taken for slow learners.
- Teaching learning process is student centric which is made effective by technologically enriching faculty members with the help of various training programs. Experiential and Participative learning are

main focuses in teaching learning process. Most of the teachers adopt innovative teaching methodologies and ICT tools to increase the involvement of student in this process. Institute has implemented mentoring scheme named as Mentor Mentee Scheme. Counselors are also available for taking care of stress related issues.

- The institute has qualified and experienced faculty as per norms. Faculty members are encouraged to improve their qualification and have interaction with outside world. Total 14 faculty members are having Ph.D. Degree and most of others are pursuing.
- Examination is conducted by Anna University, Internal examinations are conducted at central level and end semester examination is conducted on University pattern. The complete process is transparent and adheres strictly to the academic calendar.
- Course Outcomes (COs) are defined for all subjects and mapped with Program outcomes (POs) and Program Specific outcomes (PSOs). Attainment levels of COs, POs and PSOs are calculated and if not satisfactorily attained, corrective measures are taken.

Research, Innovations and Extension

- The Institute is actively engaged in making adequate resources available, encouraging active research involvement of teachers in research as well as recognizing any achievement of teachers through research.
- Institute has created an Ecosystem for Innovation by setting up Incubation Center for Transfer of Knowledge. Institute makes sincere efforts for Transfer of Knowledge by conducting Workshops, Faculty Development Program and Conferences etc. Institute has Intellectual Property Rights (IPR) Cell. The Institute conducts Workshops & Seminars on (IPR) & Industry -Academia innovative Practices.
- Institute has stated Code of Ethics to check malpractice and Plagiarism in Research. The institute provides incentives to faculty members who receives Recognition/ awards.
- Faculty members and Students are motivated to attend Conferences, to Publish articles and for pursuing funded Research and Innovation. This has resulted in good number of publications in Conferences proceedings as well as in Journals. Large number of faculty has authored books. A few faculty members of the Institute have traveled abroad for presenting their Research Work.
- For developing sensitivities towards community issues, gender disparities, social inequity etc. and to inculcate values and commitment to society. National Service Scheme unit & Rotaract Club college promotes Extension activities such as Swachh Bharat , AIDS Awareness, Gender Issue, blood donation camp, campus cleaning, educating school children awareness programs for environment, tree plantation etc in the neighborhood community.
- The college has Collaboration with Industries, for sharing research facilities and undertaking collaborative research and is benefited academically in a big way.

Infrastructure and Learning Resources

- Institute has state of art infrastructural facilities to support teaching-learning, research and administrative services as per the AICTE norms. The institution has adequate physical facilities like classroom, seminar halls, laboratories, tutorial rooms, computing equipment, etc. The adequate facilities for extra-curricular activities like outdoor and indoor games, cultural activities, and health & yoga are available. Adequate number of classrooms and seminar halls are available with ICT facilities to satisfy the curricular and co-curricular requirements.

- The college has well planned spacious computerized library with large number of books, e-books, e-journals, e-materials and educational videos along with a browsing center. System software SOUL. The library has different sections along with multimedia room and reading room. Library is having book bank facility. Remote access to e-resources of the library is available to faculty members and students.
- The college is having 400 computers exclusively for the students with LAN and Wi-Fi facilities, and licensed software as per curriculum requirements. The college is having language lab for improving communication skills of students in addition to computer centre. The college is having high speed internet facility of 100mbps. A facility for e-content development is available. The college campus is under the surveillance of CCTV cameras.
- The institute has maintenance cell with well planned and systematic procedure for maintenance of physical, academic and support facilities. Enough budgets are allocated for the same. The equipment, furniture, computers and generator are well maintained. The college campus is lush green with well-maintained lawns, trees and plants.

Student Support and Progression

- Students are benefited by scholarships and freeships from all central and state government schemes under SC/ST and BC/MBC categories.
- The Institution offers scholarship and financial assistance to academically strong and economically weak Students.
- Remedial classes and bridge courses are conducted to ensure slow learners can progress in their academics.
- The Training and Placement Cell of the college extends its service in the form of career guidance, soft skill training, technical training etc.
- Institution promotes students for Vocational Education & Training.
- The Institute has a well-defined system for remedying student complaints through Grievance Redressal, Sexual Harassment Committee and Anti-Ragging Committee.
- The institution has a mechanism for career guidance and placement for the students.
- The Institute concerns for student progression to higher studies.
- The institution promotes active participation of the students in sports, social & cultural and leisure activities.
- College has a registered and active Alumni Association. Every year the college organizes an alumni association meeting.

Governance, Leadership and Management

- The Institution has effective and transparent Governing system in tune with its vision & Mission of the college.
- The Organizational structure of the college and decentralization are clearly defined.
- The Governing Council conducts periodical meetings and reviews the progress of the institution.
- The Institution and Departments have a clear strategic plan and it is deployed effectively.
- The HR Policy of the college has clear service rules and procedures.
- Various Cells and Committees are working efficiently to conduct events, Workshops, Conferences, FDPs, etc..,
- On an average 42% of teachers are benefited with financial support to attend Conferences/workshops/FDPs and towards membership in various Professional societies during last 5

years

- On an average 18 Professional Development / administrative training programs are organized by the institution for teaching/Non teaching during past 5 years
- On an average 75% of teachers are attending Professional Development Programmes during last 5 years
- The Faculty Performance appraisal is done every semester for review of faculty performance and development
- The Department Budgets are prepared and consolidated to form Organization Budget and are discussed in Governing Body Meeting.
- The amount mobilized through fees collection and other sources and its utilization are systematically maintained and audited by the auditors of the institution.
- The Internal Quality Assurance cell of the college is formed for effective implementation of quality process.
- IQAC conducts quarterly meetings to review, monitor and enhance the quality of Teaching-Learning Process of the organization.
- IQAC conducts Academic and Administrative Audits once in every semester and based on observations recommendations are given.

Institutional Values and Best Practices

- To create awareness of gender equality, 20 gender sensitization and awareness programmes are conducted for the last 5 years.
- Women Empowerment is promoted through a number of activities that raise awareness of gender equality and ensure fair representation for all.
- Institution is under CCTV surveillance to ensure safety and security of the students, all essential security arrangements have been made by the institute.
- Multi-gym facilities for boys are provided.
- For mentoring system each faculty has been allotted 10 students.
- The Institute is dedicated in raising awareness of energy conservation and the use of renewable energy such as solar panels; LED lamps are mounted in the campus.
- Our institution selflessly involved in harvesting every drop of rain water from its roof only in order to recharge the ground water table of the institution's locality and that will serve both our institution and local people during droughts.
- Our Institution has following green practices for environment sustainability
- Paperless office and plastic free campus is in practice
- Arrangements have been made to make the campus equally accessible to physically challenged persons with ramps, restrooms etc.
- Institution has the Code of conduct handbook for students, teachers, governing body, administration including Principal and support staff
- The Institute engages itself in 15 initiatives for the benefit of the nearby communities.
- National festivals and all anniversaries have been conducted by management with enthusiasm
- The Institute maintains Academic, Financial and administrative transparencies which gives the movement to work with greater quality. all the fund transactions are entered in the CAMU ERP software
- A variety of best practices were discussed and introduced, students and the Institute's success were noticed.
- Various programmes have been conducted to give awareness on fundamental duties and rights of Indian citizens.

- A good number of activities are held under the Specialized Course in Engineering and Technology highlights the distinctive success of the Institute towards its mission, goal and thrust.
- In case of emergency conditions transport facilities will be provided for all students and staff members

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	ANNAPOORANA ENGINEERING COLLEGE
Address	NH-47,SANKARI MAIN ROAD,PERIYASEERAGAPADI,SALEM
City	SALEM
State	Tamil Nadu
Pin	636308
Website	www.aecsalem.edu.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	ANBUCHEZ IAN A	0427-3987000	9442000648	-	principalaecsalem @gmail.com
Professor	SHARAVAN AN	0427-3982000	9443072316	0427-291705 0	sharavanan33@gm ail.com

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 minroity institution	No

Establishment Details	
Date of establishment of the college	05-11-2010

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

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

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	**Recognition/Approval details Institution/Department programme**	**Day,Month and year(dd-mm-yyyy)**	**Validity in months**	**Remarks**
AICTE	View Document	10-04-2019	12	AICTE APPROVAL ATTACHED

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

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

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	NH-47,SANKARI MAIN ROAD,PERIYASEERAGAPADI,SALEM	Rural	19.24	27.306

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,Automobile Engineering	48	HSC OR EQUIVALENT	English	60	11
UG	BE,Computer Science And Engineering	48	HSC OR EQUIVALENT	English	60	29
UG	BE,Civil Engineering	48	HSC OR EQUIVALENT	English	60	9
UG	BE,Electrical And Electronics Engineering	48	HSC OR EQUIVALENT	English	60	10
UG	BE,Electronics And Communication Engineering	48	HSC OR EQUIVALENT	English	60	6
UG	BE,Mechanical Engineering	48	HSC OR EQUIVALENT	English	60	11
PG	ME,Computer Science And Engineering	24	BE OR EQUIVALENT	English	24	0
PG	ME,Electrical And Electronics Engineering	24	BE OR EQUIVALENT	English	24	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				9				15				60
Recruited	7	2	0	9	12	3	0	15	40	20	0	60
Yet to Recruit				0				0				0
Sanctioned by the Management/Society or Other Authorized Bodies				0				0				0
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit				0				0				0

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				8
Recruited	6	2	0	8
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				12
Recruited	12	0	0	12
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	7	2	0	1	0	0	0	1	0	11
M.Phil.	0	0	0	1	0	0	10	7	0	18
PG	0	0	0	10	3	0	30	12	0	55

Temporary Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	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

Part Time Teachers									
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**		
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	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

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	**Male**	**Female**	**Others**	**Total**
	9	1	0	10

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	51	0	0	0	51
	Female	25	0	0	0	25
	Others	0	0	0	0	0
PG	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

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	87	10	19	13
	Female	29	4	19	2
	Others	0	0	0	0
ST	Male	5	0	0	1
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	127	117	83	107
	Female	15	42	21	22
	Others	0	0	0	0
General	Male	1	2	3	7
	Female	1	3	0	2
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		265	178	145	154

3. Extended Profile

3.1 Program

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

Response: 672

File Description	Document
Institutional Data in Prescribed Format	View Document

Number of programs offered year-wise for last five years

2018-19	2017-18	2016-17	2015-16	2014-15
8	8	8	8	8

3.2 Students

Number of students year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
738	670	586	567	512

File Description	Document
Institutional Data in Prescribed Format	View Document

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

2018-19	2017-18	2016-17	2015-16	2014-15
282	282	282	282	282

File Description	Document
Institutional data in prescribed format	View Document

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

2018-19	2017-18	2016-17	2015-16	2014-15
158	171	109	124	108

File Description	Document
Institutional Data in Prescribed Format	View Document

3.3 Teachers

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

2018-19	2017-18	2016-17	2015-16	2014-15
85	107	109	107	102

File Description	Document
Institutional Data in Prescribed Format	View Document

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

2018-19	2017-18	2016-17	2015-16	2014-15
78	78	104	104	104

File Description	Document
Institutional data in prescribed format	View Document

3.4 Institution

Total number of classrooms and seminar halls

Response: 31

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

2018-19	2017-18	2016-17	2015-16	2014-15
248.20905	405.93351	712.01486	331.65123	372.12394

Number of computers

Response: 400

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

Annapoorana Engineering College is affiliated to Anna University Chennai, Tamilnadu. AEC meticulously plans and develops action plans for effective implementation of the curriculum prescribed by the Anna University Chennai for students favour which is in line with the institution's vision to empower society through quality education.

At the outset, an academic council consisting of Heads of various departments headed by Principal conducts a meeting to develop various strategies for effective implementation of the curriculum. Thereafter, the department Heads instructs their members of various departments to develop academic calendar, academic plans and time table for the upcoming academic year according to Anna University rules and regulations.

Academic Calendar:

Academic Calendar is framed at the beginning of each semester by reference to Anna university Schedule including working days, government and local holidays, schedule of internal assessments and university examinations. It also includes department activities like seminars, workshops, conferences, industrial visit/training and value added courses etc.

Instructional methods and pedagogical initiatives

- The institution practices outcome based education (OBE) while planning and delivering the content. The faculty members will prepare the course plan based on the academic calendar to complete the syllabus as per the frame work in attaining the PO and PSO's framed.
- Faculties are encouraged to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, industrial visits or other means apart from regular/traditional teaching methods.
- Faculty were also instructed to develop the course file which includes CO, PO, lesson plan, pervious year university question papers and question bank, teaching aids and teaching methodology to be adopted. Remedial classes are also accomplished for weak students and slow learners.
- Faculties update themselves by attending refreshing courses, workshops, Faculty development programs (FDP), orientation programs conferences and seminars organized by AEC and various colleges which help them for accomplishment of curricular delivery more effectively.
- Guest Lectures for various courses are arranged to deliver the content beyond the syllabus for knowledge enhancement and value added courses have been organized for bridging the curricular

gap between Industry and Academia.

- Assignments, group discussions and brain storming are encouraged for participative learning. Periodical review of portions covered by faculty members, student's performance and attendance will be done by the Head of the department and the principal.
- The institute also encourages students to participate in various events held in other institutions in terms of both academic and Co-curricular activities. Regular feedback is collected from the students so as to take necessary steps for their better understanding of the subjects and the faculty to overcome their shortcomings.

File Description	Document
Link for Additional Information	View Document

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

Response: 72

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

2018-19	2017-18	2016-17	2015-16	2014-15
18	18	12	12	12

File Description	Document
Minutes of relevant Academic Council/BOS meetings	View Document
Details of the certificate/Diploma programs	View Document
Any additional information	View Document

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

Response: 0

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

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

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

1.2 Academic Flexibility

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

Response: 36.31

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

Response: 244

File Description	Document
Minutes of relevant Academic Council/BOS meetings.	[View Document](#)
Details of the new courses introduced	[View Document](#)
Any additional information	[View Document](#)

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

Response: 100

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

Response: 8

File Description	Document
Name of the programs in which CBCS is implemented	[View Document](#)
Minutes of relevant Academic Council/BOS meetings.	[View Document](#)
Any additional information	[View Document](#)

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

Response: 59.04

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

2018-19	2017-18	2016-17	2015-16	2014-15
428	373	360	342	306

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

1.3 Curriculum Enrichment

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

Response:

We have faith in giving healthy ambiance for all our students. The cross–cutting issues like Gender, Environmental sustainability, Human Rights and Professional Ethics etc., finds plenty of space when it comes to applying them positively into the curriculum. The curriculum is framed by the university and it does include many of these aspects in the curriculum for previous regulation. Now, Professional Ethics and Human Values, Environmental Science and Engineering subjects are included as a part in the curriculum.

Women Empowerment Cell (Gender Equality):

Women need to be progressed in the number of spheres. Women empowerment is to empower women by promoting their participation in all areas and sectors to build stronger economies, improve their quality of life and bring gender equality. Women Empowerment Cell is formed for Gender Equality which resolves the problem of the student's by counselling them. Numerous motivational programmes have been invoked by our institution in order to bring awareness among the Girl students and society about the true rights and value of the women in the development of the nation.

Environment and Sustainability:

The organization being a green campus, is improving energy efficiency by conserving the natural resources for creating healthy living and learning environment. The institution has taken the efforts to give awareness on environmental issues and its sustainability to society through extension activities by NSS and Rotract club. Students indulged in Rotract club were motivated to engage in Tree Plantation in lined with Narendra Modi's **'One Student, One Tree' campaign.**

To support Eco-friendliness the institution has implemented the rain water harvesting to collect the rain water that increases the ground water level. Vehicle pooling is promoted among the students and faculties of our institution. All the branches of engineering have included the subjects that focus on the Environmental issues and sustainability in their curriculum.

Human Values (Club Activities):

To develop human rights, the institution has formed an Anti-Ragging committee to control ragging, which is a violation of fundamental human values and rights. As a part of course improvement, institution conducts numerous activities like blood donation camp, Swatch Bharath awareness programs to promote the universal values, human values, national values and social cohesion.

Professional Ethics:

Professional ethics are principles that govern the behaviour of a person or group in a business environment. Like values, professional ethics provide rules on how a person should act towards other people and institutions in such an environment. Developing professional ethics and human rights will certainly improve one's ability and judgment and refine one's behaviour, decisions and actions in performing the duty to the family, organization, and to the society. Anna University has made "Professional Ethics" as one subject to all branches of engineering which enables the students to gain the professional knowledge.

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

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

Response: 56

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

Response: 56

File Description	Document
Details of the value-added courses imparting transferable and life skills	[View Document](#)
Brochure or any other document relating to value added courses.	[View Document](#)
Any additional information	[View Document](#)

1.3.3 Percentage of students undertaking field projects / internships

Response: 58.54

1.3.3.1 Number of students undertaking field projects or internships

Response: 432

File Description	Document
List of students enrolled	View Document
Institutional data in prescribed format	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2)Teachers, 3)Employers, 4)Alumni and 5)Parents for design and review of syllabus-Semester wise/ year-wise
A.Any 4 of the above

B.Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A.Any 4 of the above

File Description	Document
Any additional information	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback processes of the institution may be classified as follows:
A. Feedback collected, analysed and action taken and feedback available on website

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Any additional information	[View Document](#)
URL for feedback report	[View Document](#)

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

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

Response: 0.6

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

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	2	5	9

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

2.1.2 Average Enrollment percentage (Average of last five years)

Response: 39.54

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

2018-19	2017-18	2016-17	2015-16	2014-15
279	193	143	163	171

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

2018-19	2017-18	2016-17	2015-16	2014-15
480	480	480	480	480

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

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

Response: 67.3

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

2018-19	2017-18	2016-17	2015-16	2014-15
279	193	143	163	171

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

2.2 Catering to Student Diversity

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

Response:

The college takes every measure possible to understand the needs and requirements of the students before the commencement of the program Orientation program is organized immediately after admissions and before the commencement of class work in which students are familiarized with the course, mode of internal assessment as well as facilities available in college and to explain the facilities, faculty expertise, rules and regulations, disciplinary code of college and teaching – learning methodologies of the college.

As the students are very much important in every educational institution, all the programs are designed and implemented to fulfill their requirements. They are given special representation in curriculum development, seminars, group discussions and they are made to develop the leadership qualities by giving representation on the basis of the best performance in their results.

The Institution conducts the bridge courses for all the students in communicative English, mathematical foundation and computer Literacy before the commencement of class work.

For Advanced Learners:

Advanced learners are encouraged and facilitated to read beyond the requirements of the syllabus as well as to take up internships and additional online courses during semester breaks. They are also motivated to join innovation projects of the faculty to develop their research acumen. Participation in National and

International seminars and conferences, presentation and publication of research data is also encouraged. A well-stocked library and computer resource center provide all students access to books, journals and e-resources. Several scholarships and awards are in place to reward the advanced learners for their excellence.

They are encouraged to refer Books in Library for competitive exams, GATE and Higher studies and also to participate in project competitions and various technical events

Members of faculty handling different courses interact with students in clearing their doubts and apply their knowledge and skill to practical problems. The faculty offer guidance to the prospective professionals in addition to classroom teaching.

The Training and Placement cell has been active not only in arranging campus recruitment drives, but also offering job awareness and training to the students

In addition to academics, literary, cultural and sports activities are conducted which foster leadership quality, decision making ability, team spirit, precision, analytical capability, socio-psychological awareness etc. which make an individual an intellectually mature being.

For Slow learners Learners:

Remedial Classes are conducted by the subject experts beyond working hours for slow learners which are not a part of their time-table.

Regular review of their class attendance and internal test performance are regularly communicated to the respective persons through post and mobile.

Effective mentoring and for the welfare of the students, 15 students at an average are attached to a faculty mentor. The mentoring system is adopted to improve the rapport between the faculty and students. The main objective is to keep track of the progress of the students and counsel them accordingly for academic and personal guidance. Parents of the students are timely informed wherever the necessity arises such as lack of attendance, poor academic performance and psycho-social problem.

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

2.2.2 Student - Full time teacher ratio

Response: 8.68

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

2.2.3 Percentage of differently abled students (Divyangjan) on rolls

Response: 0

2.2.3.1 Number of differently abled students on rolls

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

2.3 Teaching- Learning Process

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

Response:

Learning at the college has always been student centric. The students participate in various academic and co-curricular activities within and outside the college. The College supports student-centric learning through its efforts by creating a learning atmosphere which allows students to think in different way, respond and pose questions. To effectively design and exercise student centric activities, teachers are motivated to undergo Short Term Training Programs, Faculty Development Programs, NPTEL and online courses. The methodologies include illustration and special lectures, field study, case-studies, project-based-methods, experimental methods and group learning methods. It organizes guest lectures and arranges industrial visits for students to develop their interactive, collaborative and independent learning. Digital library with NPTEL Video. Lectures and e-Journals allow the students to pursue advanced courses of his interest. Students are also evaluated through tests, tutorials and discussions in class room as well as in laboratories during practical hours, seminars and group discussions.

Interactive Learning

- The Institution encourages conducting seminars, workshops, Symposiums, group discussions and various student centric events to make learning interactive.
- The college has the facility of teaching aids such as projectors, broadband internet connectivity, and Wi-Fi connectivity.
- The teachers adopt presentation and group discussion methods to make the topics more interesting.
- Various departments conduct a number of activities like seminars, debates, group discussions, and quizzes. Such activities develop stage courage, skills of expression, thinking power among the students.
- Industry visits are planned to provide the students with hands on experience of the field and to update them with the current technology. Through these site visits, students understand the

practicality and implementation of the concepts studied by them.

- Students undergo in-plant training in industries and present case-studies.

Collaborative and motivating learning:

- The institute organizes different activities for students as well as promotes them to participate in various competitions held at local, National & International levels.
- The activities organized by institute include Student Development Programs, Workshops, Conferences, Technical festivals and project competitions.
- The departments maintain department libraries and internet facility to access all the journal, e-material, e-books etc., through library server enabling the students and faculty to keep abreast of the latest developments in their respective fields.
- The Industrial visits/Field trips are arranged to various organizations to make the subjects more informative.
- Co-Curricular activities are organized regularly.

Self learning:

- The College also encourages the staff and students in using internet and computers to keep them abreast of the latest developments in their respective field of study and to know what is happening around the world.
- The Student seminars are mandatory in all programs. Usually students present seminar on contemporary topics as well as state-of-the-art technologies.
- The students are encouraged to read the magazines, journals, CD-ROM data bases and latest information available on the internet & in the library.

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

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.

Response: 100

2.3.2.1 Number of teachers using ICT

Response: 85

File Description	Document
List of teachers (using ICT for teaching)	View Document
Any additional information	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 9.23

2.3.3.1 Number of mentors

Response: 80

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

2.3.4 Innovation and creativity in teaching-learning

Response:

Students are encouraged to think critically and be innovative and creative in tackling their assignments, projects and other tasks assigned to them. Innovative teaching methods have been adapted to the students to enhance learning and also the implementation of knowledge obtained through the faculty.

The teaching methodologies extend beyond the classrooms lecturers along with practical skills and the college encourages the faculty to complement the academic system. The academic agenda is integrated with various and multifarious activities in almost all the practical subjects.

Faculty members use Power Point presentation, NPTEL videos and video lectures (using animations) to create and instill innovation creativity in the teaching- learning process. The interactive sessions/ lectures are provided to the students through smart board teaching. The working models and charts are used by the faculty members to explain the fundamental and featured topics with advanced technologies in Theory and Laboratory classes. Guest lectures, field trips, visit to the industries, tutorial classes are practiced.

Students are encouraged for the better participation in the group discussions, assignments, and practical sessions. Students are given with seminar, case study in order to bring additional focus on the co-curricular activities. Laboratories and seminar halls are provided with internet and Wi-Fi connections to give extensive use of ICT tools for students to strengthen their technical skills. Students are encouraged to organize and attend the programs in departments under the student's association banner.

They are also encouraged to take industrial visits, in-plant training, training programs, projects and internship. The institute also conducts a science and technical exhibition and the students from all streams prepare innovative projects and exhibit during the event. The juries scrutinize and best projects are awarded.

Some Innovative activities undertaken in teaching learning are given below:

- Field trips.
- E-Books.
- Educational trips.
- Participation in class room discussions/ seminars
- Socio-economic or psychological surveys

- Feedback on lectures obtained from students.
- National and International seminars organized.
- Visits to industrial or corporate houses.
- Help of models and experimental kits is taken to explain certain concepts.
- Workshops and extension lectures by great scholars and subject experts.
- Experimental workshops are held for students.
- Special classes are held for slow learners and advanced learners.
- Educational visits are organized from time to time.
- Hands-on work experience in almost all the practical subjects are Integrated.
- Students are allotted to prepare power point presentations and class seminars.
- Students are also given assignments which they complete using books from library.
- Students encourage the visit to library and also by allocating time for library in academic time table.

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

2.4 Teacher Profile and Quality

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

Response: 110.38

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	[View Document](#)
List of the faculty members authenticated by the Head of HEI	[View Document](#)
Any additional information	[View Document](#)

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

Response: 10.07

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

2018-19	2017-18	2016-17	2015-16	2014-15
14	10	9	9	8

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

2.4.3 Teaching experience per full time teacher in number of years

Response: 7.84

2.4.3.1 Total experience of full-time teachers	
Response: 666	

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

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

Response: 3.92

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

2018-19	2017-18	2016-17	2015-16	2014-15
2	2	0	0	0

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

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

Response: 0

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

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

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

2.5 Evaluation Process and Reforms

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

Response:

CIE, Continuous Internal Evaluation is done on the basis of Slip Test (ST), CycleTest (CT) and Pre University Test (PUT).Slip tests are regular examinations after completion some topics. Cycle Tests are conducted after the completion of two units also called as Internal Examinations. Pre University Exams are conducted after the completion of syllabus. The weightage of marks secured by the students in the CIE process comprises of 20% for their university grading.

During the induction program the newly admitted students are updated about the attendance requirements, pass mark requirements, grading systems of university examinations and various aspects of exam such as internal assessment, model exam, and practical exam etc., explained briefly by the Science and Humanity staffs and the chief coordinator of exam cell.

There will be five slip tests, three Cycle Test, two Pre University Exam and one model lab conducted over the end of each semester. We have exam coordinators from each department and an internal squad comprising of senior faculty members for the smooth conduction of the examination. These tests allow the teachers to continuously assess the students to track their progress and to identify slow and advanced learners. The students were allowed to see their evaluated answer sheets and discuss with concerned faculty. Evaluation is done both in theory and practical examinations.

Each department will conduct the analysis meeting where result will be analyzed at micro level. The common point on which the result will be discussed as follows:

- Comparing with previous year result
- Subject wise analysis
- Faculty wise analysis
- Girls and boys
- Day scholars and Hostellers
- Scholarship and non-scholarship students
- Analysis of students studied in another mediums (Language)
- Students ranking

Based on the analysis, HODs and senior members of the department will finalize the suitable recommendation so as to improve the student's performance in the later internal exams.

The students are given feedback about their performance and suggestions for their improvement and

betterment in examinations. Whenever the students are in doubt, they are encouraged to clarify them by discussing it with teachers/principal. The internal marks are awarded on the basis of ST, CT, PUT, attendance percentage, assignments, attending and organizing of seminar, workshop, paper presentation etc.,.

All the data are collected and stored in digital format for recovery/reference purpose.

Internal exam question pattern (R2013):

Unit Test	Syllabus	Pattern	Marks
1.	1& Half of Unit 2	Part A (10x2=20) Part B (15x2=30)	50 Marks
2.	Half of Unit 2 & 3	Part A (10x2=20) Part B (15x2=30)	50 Marks
3.	Unit 4 & Unit 5	Part A (10x2=20) Part B (15x2=30)	50 Marks

Internal exam question pattern (R2017):

Unit Test	Syllabus	Pattern	Marks
1.	1& Half of Unit 2	Part A (10x2=20) Part B (15x2=30)	50 Marks
2.	Half of Unit 2 & 3	Part A (10x2=20) Part B (15x2=30)	50 Marks
3.	Unit 4 & Unit 5	Part A (10x2=20) Part B (15x2=30)	50 Marks

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

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

Response:

Internal Assessment

As mentioned earlier, the internal marks are truly based on ST, CT and PUT and attendance percentage. The exams are conducted based on the academic chart. Each internal examination will be conducted after 22 – 25 working days. The fixation of internal exam is aligned with the web portal entry schedule given by the Anna University to upload the internal marks of each internal exam .During each semester the students are well informed about the examination schedules through circulars and information in the notice boards. Attendance is maintained during the assessment period by the department examination cell. Absence is informed to the parents and reasons are recorded in the students' database. During examination one set of question paper prepared by concerned faculty should be submitted to the exam cell three days before the commencement of exam. Cycle Tests are conducted for 50 marks of 90 min duration while Pre University Exams are allocated for 100 marks with duration of 3 hours while the slip tests are conducted in the test hours.

After the exam, the answer scripts are collected by concerned staff from exam cell. Within two days the answer scripts are evaluated and distributed to students for verification. Discrepancy if any will get to the notice of concerned teacher and the necessary corrections are carried out. Final mark list is prepared and updated in department system for future reference.

Valuation of answer scripts is completed within three days after the examination and the consolidated statement of marks and attendance are uploaded in the Anna University web portal as per the schedule. The same can be viewed by the students through their login in the portal. Parents are informed about their performance through letters at the end of each internal assessment examination. If the performance of a student is poor in all the subjects, parents are called by the faculty advisor to discuss the problem. During counselling time, faculty advisor will discuss with the students to identify the personal or subject problems. Class committee meeting is conducted at regular intervals to know the feedback and grievance from the students about the examination schedule, syllabus coverage and availability of study materials.

The internal marks and attendance percentages are periodically communicated to the parents through parents-teacher meeting.

Model Lab

As per Anna university syllabus, lab practical are conducted. Students are insisted to complete current lab experiment within next lab. After the completion of all the given experiments, model lab is conducted for the students. Similar to university lab practical examination, model lab practical is conducted where each student is assigned with individual experiment. At end of the session, answer scripts are evaluated.Viva and oral for the practical examinations are also discussed current topics with relevant staffs.

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

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

Response:

At institutional level, in order to have a proper system in examination related grievances the CT and PUT are conducted by the exam cell of the institution as per the exam time table prepared by the exam cell coordinators. The timetables for the examinations are prepared in advance and displayed in the department notice boards a week before the commencement of examinations.

The faculty members are asked to prepare two sets of question papers as per university grades. On the examination day the principal will select the set of question which is be issued. Students are instructed not to indulge in any form of malpractices. An internal squad comprising of senior faculty members acts as flying squad.

If the student found to involve in any form of malpractice his/her answer sheet is handed over to the exam cell and allowed to rewrite the exam with the knowledge of principal. After the exam, the answer scripts are collected by concerned staff from exam cell. Within two days the answer scripts are evaluated.

At institutional level, any grievances regarding evaluation or examination can be addressed to concerned staff by students. The answer scripts are re-corrected by concerned staff and will sort out the issue within two days. Slow learners and those who score very low marks in the internal tests and model exams are are allowed to appear for the re-test conducted by the faculty concerned.

This provides an opportunity to improve their internal marks. The result analysis of each examination will be prepared in the format provided and the same is duly submitted to the Principal by the class in charge after obtaining the approval from the Head of the department for the assessment entry.

University

If the evaluation is not satisfactory, students can apply for the photo copy of answer scripts by registering his/her name to respective class incharge. The name list of students and the fee collected is submitted to

exam cell by the class incharge. The University sends the photocopy of the answer scripts to the exam cell of the institution from where it is collected and distributed to students by class incharges.

The students approach concerned staff with photo copy of answer script. Internal revaluation is done and marks are mentioned in the answer script which is returned to the students by concerned staff. If the internal revaluation is satisfactory then the students can apply for the University revaluation with the attestation of concerned staff, Head of the Department and The principal in the answer script.

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

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

Response:

2.5.4 The Institution adheres to the academic calendar for the conduct of CIE

The academic calendar is prepared in line with the Anna University by the institutional committee comprises of Principal, Dean and Heads of all department before the commencement of semester. Academic schedule is revised based on the same. All the academic activities are executed as per the schedule.

Academic Calendar consists of number of working days, Cycle Test dates, Pre University Exam dates, project review dates, holidays.

It also consists of National and International conference of institution, symposium of each departments, sports day , annual day, founder's day etc.,

Apart from that individual log books are provided to faculty members. A detailed lesson plan is prepared

by the faculty members before the commencement of classes and endeavours to follow the same.

Provision of CIE in academic calendar:

Academic calendar includes schedule of monthly attendance display and Internal examination. This helps students to prepare for the same well in time. It also includes schedule of display of results of these examinations. At the idle of semester, when students are done with their half of practical and assignment work; academic calendar ensures CIE by introducing Mid-semester Submission. This helps students to understand their status at the mid of semester and they plan corrective actions if required and improve their performance. Final year students carry out their project presentations as per academic calendar.

The academic calendar also gives the schedule of various experiential/participative activities designed by the institute as per the Project Based Learning (PBL) Model such as Lab Innovations, Industrial Visits, Value Addition Programs (VAP), and Technical Events.

Apart from these technical activities, academic calendar describes tentative schedule of extracurricular activities such as sports and cultural. The participation and performance of students in all such technical and extra-curricular activities is also a part of Continuous Internal Evaluation process.

The schedule of ICA (Internal Continuous Assessment) is strictly followed as per academic calendar.

In order to ensure the satisfactory performance of the students in the evaluation process, parents are also involved in discussions through parent meet organized as per academic calendar. The institute takes efforts to communicate the requirements and progress of students in the evaluation process through the Teacher Guardian scheme. This helps in ensuring effective conduct of CIE and achieving desired outcomes.

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

2.6 Student Performance and Learning Outcomes

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

Response:

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

- The Institute is affiliated to Anna University, Chennai. The Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are well defined and stated in the University Curriculum for the regulations 2017. POs, PSOs and COs are formed by considering Vision and Mission statement of the college and the syllabus content. COs and POs are framed by the Heads of the department after the discussion with the subject handling faculty along with subject experts. Course committee meetings are conducted at regular intervals and the institute assists the faculty members to achieve these objectives by proper supporting systems. This helps to understand the course outcomes easily.
- The COs is also dictated to the students while dictating the syllabus in the class and also present in the continuous internal examination question papers. Hence the student can very well aware of the COs of the subject.
- The POs and COs are available in the course file prepared by the faculty member while mapping with POs faculty can clearly understand the course outcomes accordingly he can prepare the lesson plan etc.
- POs and COs for all programs and courses offered by the institution are displayed in the institute website for reference.
- The COs and POs are published in institute website. They are made reachable through faculty members, student awareness workshops, student induction programs.
- All the planning and execution are directed towards objectives of faculty meetings.
- The program outcomes and program specific outcomes are achieved through a curriculum that offers a number of courses. Each course has defined course outcomes that are linked to the program outcomes and a set of performance criteria that are used to provide quantitative measurement of how well course outcomes are achieved.
- The course outcomes are thus directly and quantitatively assessed, and are tied to the program Outcomes and program specific outcomes.. The course outcomes of each course are mapped to the Program Outcomes with a level of emphasis being strongly correlated (3), moderately correlated (2) and lightly correlated (1).
- Faculty members refer the syllabus to understand POs and COs thoroughly before delivering the courses to students.

File Description	Document
COs for all courses (exemplars from Glossary)	View Document
Any additional information	View Document

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

Response:

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

Assessment gives us essential information about what the students are learning and about the extent to which meeting our teaching goals.

Attainment of Course outcomes:

Attainment of course outcomes are assessed by considering the following two categories of marks

1. Internal Assessment Marks

2. End Semester University Examination Results

The internal assessment mark for the theory is the average of the three internal assessment examinations and for laboratory average mark of records and one model practical examination. Project work is evaluated by conducting three review sessions, thesis submission and Viva-voce examination batch-wise. Grade points are given by the university in the end semester examination results and the equivalent marks are given in the table.

The course outcomes are framed by the respective faculty members and HOD with the help of an expert. Subject wise CO attainment level is calculated by adding 20% of the final internal assessment attainment level (given in the table) with and 80% of end semester examination attainment level for each subject is calculated. Thus, the average of percentage of students attaining the entire COs decides the CO attainment level.

Attainment Level	Students pass percentage	Marks level for (Internal & examination*)	End s
1	50% to 60%	50 % and above out of maximum marks	um re
2	61% to 70 %	50 % and above out of maximum marks	um re
3	71% and above	50 % and above out of maximum marks	um re

Attainment of Programme outcomes, Programme specific outcomes:

Attainment of PO and PSO are calculated by the following tools

Direct Attainment

1. Internal Mark

2. End Semester Examinations

Indirect Attainment

1.Students Exit Survey

A correlation is established between COs and POs in the scale of 1 to 3, 1 being the slight (low), 2 being moderate (medium) and 3 being substantial (high). A mapping matrix for CO and PO, PSO's is prepared for every course in the program and average of COs for all PO's, PSO's are calculated for each subject of the program. Average of all PO's and PSO's for all the subjects are also calculated.

Indirect attainment is found from student exit survey about the program and is conducted by providing the PO's and PSO's as questionnaires to the outgoing students by giving three grade points as Excellent – 3, Good – 2, Average – 1. Total weightage and maximum weightage is calculated for each PO's and PSO's. PO's and PSO's weightage is also calculated from the percent weightage. Indirect attainment is 20 % of the weightage of the each PO's and PSO's. Attainment level of 80% directs method which includes 20% internal assessment level, 80% end semester attainment level and 20% indirect method is the PO's and PSO's attainment.

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

2.6.3 Average pass percentage of Students

Response: 72.22

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

Response: 91

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

Response: 126

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

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.35

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

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

Response: 0

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

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
List of project and grant details	[View Document](#)

3.1.2 Percentage of teachers recognised as research guides at present

Response: 0

3.1.2.1 Number of teachers recognised as research guides

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

Response: 0

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

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

3.2 Innovation Ecosystem

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

Response:

Annapoorana Engineering college developed a atmosphere for Innovations including Incubation Center and other initiatives for creation and convert knowledge into application. AEC has signed MOUs with EDII (a Government organization), Salem Productivity Council(SPC), Million minds to provide the

information on entrepreneurship to the student and faculty.The academic and research expertise of the Annapoorana continually contribute to the Innovation Ecosystem through breakthrough solutions and suggestion for solving critical problems, and motivating students to become Entrepreneur. An Incubation Center is established in AEC campus in collaboration with Salem Productivity Council (SPC), Salem and SS Group of companies, to inculcate the idea of Entrepreneurship and Start up in student.

AEC Incubation cell: Experimental Investigation on Textile wastes like polyster in Bricks Manufacturing:

This cell has design a new formula for manufacturing bricks from the waste of textile industries to provide more strong bricks and fire resistant with less weight when compared to the normal bricks and reduce the usage of sand and other natural resources. This cell conducts a hands-on training program the conversion of old FMB to new digital plan as a part of its Social Commitment program in job skill for student. The cell provides an opportunity for the students to enhance their knowledge in marketing and also market our own made bricks to civil construction company ."SS Group of Company, Salem" is extending their expertise in the form of testing , making ,survey and training AEC Incubation Cell.

Center of Entrepreneurship Development

The Center of Entrepreneurship Development devised a system to guide and motivate student and faculty to become Entrepreneur and Start- up. This Center has collaboration with EDII, SPC and Million Minds for Entrepreneurship and Start -up. This Center is developing students for Entrepreneurship & Start -up by providing guidance on project report preparation, financial assistance, market survey and marketing of product. Entrepreneurship awareness camps, Entrepreneurial Development skills and Web talk sessions have been organized in collaboration with EDII , SPC and Million Minds sponsored by Department of Science and Technology, Govt. of India. Management based seminar and workshop have been organized by the center for the students to give them an idea to manage and run their entrepreneurial venture. The center motivates students to incubate their start ups in the campus by offering them guidance, services and consultancy in current developments technology.

Inter-disciplinary collaboration

An interdisciplinary collaboration between various department of AEC are working towards development of innovative projects of students in the latest technology of IoT, Computer Science, Robotics, Renewable Energy, and Mechanical engineering.

Start-ups Additionally, Start-ups have been incubated in the campus offering services and consultancy in Fabrication and Research in Solar LED Tube light panel and LED light panel. Also ideas are incubated from student in current developments in Information Technology, IoT and Automation

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

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

Response: 14

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

2018-19	2017-18	2016-17	2015-16	2014-15
3	4	4	2	1

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

3.3 Research Publications and Awards

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

Response: Yes

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

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

Response: Yes

File Description	Document
e- copies of the letters of awards	[View Document](#)
Any additional information	[View Document](#)

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

Response: 0

3.3.3.1 How many Ph.Ds awarded within last five years

Response: 7

3.3.3.2 Number of teachers recognized as guides during the last five years

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

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

Response: 1.32

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

2018-19	2017-18	2016-17	2015-16	2014-15
58	52	12	8	5

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

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

Response: 0.62

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

2018-19	2017-18	2016-17	2015-16	2014-15
21	27	3	5	7

File Description	Document
List books and chapters in edited volumes / books published	View Document
Any additional information	View Document

3.4 Extension Activities

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

Response:

We, Annapoorana Engineering College actively organize various extension activities such as blood donation camps, saplings plantation, environmental awareness programmes, medical awareness camps, free health check-up, Science Exhibition and Educational Counseling programs, Swatch Bharat activities, conducting various training such as welding and motor cycle repairing, computer education, soil testing and analysis to public etc. The impacts of the above said activities are;

Tree plantation organized by our Environmental club and NSS unit associated with rotary and salem tree club is one of the outreach program undertaken by our students. They planted over 2000 saplings in our college campus and in nearby areas by organizing tree plantation camps. This kind of activities educate our students and public of this region for conserving our environment as green as possible.We started " One Man One Tree Campaign" and planted a tree in each faculty members and students home. The purpose of the event is to create awareness on importance and uses of trees amongst the college students. Global warming, soil preservation, reducing air pollution and getting sufficient rain were some of the points that were registered in the young hearts to take action to save the planet earth. NSS Unit of Annapoorana Engineering College associated with VIMS participates in the " Blood Donation Camp" every year to bring the linkage between Engineers & Society by donating blood nearly 100 units in a week to different blood banks.

Institution outreaches nearby government and aided schools in and around Salem district to give them lessons on computer education, health, YOGA and tips for their public exams in schools and make them Confident. Our college has donated Computers, Tables, black board, and multimedia speakers to various schools. It also provides study materials to 10th & 12th standard students of Government schools to secure high marks in the public examination. Our NSS Unit and Rotary Club of Jalagandapuram jointly organize various public awareness rallies round the year. Some of the important rallies are energy conservation awareness, impacts of plastic usage, road safety, dengue fever awareness, cancer awareness, new voter registration camps, right to vote, alleviation of illiteracy and gender issues. The impacts of those rallies create awareness, importance and knowledge to the public. Science Expo is another outreach program which is conducted for the school and polytechnic students. This creates an interest, importance and awareness about higher education among young minds.

We outreach the students, parents of the interior villages of multiple stream under one umbrella by the Educational Counseling Program, an activity conducted at various locations of Salem District.

Our students are visiting orphanages and donate food materials, gift and dress and entertain them for a day. We provide relief materials to the people of natural disaster affected areas. Recently we have provided relief materials to flood affected Kerala people and Gaja storm affected areas in puthukottai, Tamilnadu, India.

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

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

Response: 16

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

2018-19	2017-18	2016-17	2015-16	2014-15
5	2	5	2	2

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

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years

Response: 33

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

five years

2018-19	2017-18	2016-17	2015-16	2014-15
9	7	6	5	6

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

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

Response: 44.78

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

2018-19	2017-18	2016-17	2015-16	2014-15
421	335	315	175	165

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

3.5 Collaboration

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

Response: 116

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

2018-19	2017-18	2016-17	2015-16	2014-15
34	33	24	16	9

File Description	Document
Number of Collaborative activities for research, faculty etc	View Document
Copies of collaboration	View Document
Any additional information	View Document

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

Response: 37

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

2018-19	2017-18	2016-17	2015-16	2014-15
11	8	7	5	6

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

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

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

Response:

Response:

Annapoorana Engineering College has adequate infrastructural facilities and follows the norms laid down by AICTE and Anna University for creating and enhancing the infrastructure facilities for effective teaching and learning. Total area of our institution is 13.94 acres. The Institute has sufficient classrooms (28-Nos), Tutorial Rooms, Smart-Class Rooms seminar-halls (2-Nos), various department laboratories, library with ILMS, and 100Mbps internet facility including Wi-Fi, Auditorium, Rest Rooms, Staff cabins, HOD cabins attached with Office and Department Library.

The College has Placement Cell, Training Division and Industry-Institute Partnership Cell. The complete ambience of the college is clean and fresh. The available physical infrastructure is optimally utilized beyond regular college hours, to conduct certificate courses, co-curricular activities/extra-curricular activities, parent's teachers meeting, Campus Recruitment training classes, campus recruitments, seminars, conferences etc.,

Laboratories

The Institution has laboratories as per AICTE and Anna University Norms. All the Laboratories are equipped with safety equipments such as Fire extinguishers, "DO's and DON'Ts" awareness board, First aid box and Safety precautions board. List of experiments details and list of equipments illustrated in each laboratory. Each laboratory is maintained by faculty member and lab assistant.

Computing Equipments / Computing Facility/Drawing Halls/Auditorium

Our institution has ten computer laboratories with 400 computers connected through LAN or Wi-Fi connection with more than 100Mbps internet speed to share & access knowledge resources like NPTEL, youtube etc. The computers has different operating systems like windows-xp, windows-7 and ubuntu. Computers have various software packages like Mat lab, Xilinx, AutoCAD, Python Turbo-C, Java, etc., which are essential for teaching and learning. The institute has sufficient number of drawing halls with drawing tables for accessing students. Our institute boasts of huge, spacious open Auditorium having a seating capacity of 1500 people to conduct various curricular and co curricular events. The College has ICT facility includes projectors, wireless microphones, sound systems, marker boards, public addressing system, desktop recorder and video recorder with intranet facility to conduct lectures, seminars, webinars, conferences, guest lectures, and workshops.

(b) Conference/Seminar Halls:

The College has 3 Seminar Halls/Conference Halls with AC facilities, adequate Public Addressing System, LCD Projection Systems, Recording facility and Lecture Capturing facilities with smart learning system.

(c) Library:

The College has library with area of 700 Sq. m, e-Governance facilities with good ambience for staff and student learning process. Library has 20587 books (Including of 1636 Department library books), 8000 titles, 28 Rare Books, 48 National Journals, 48 International Journals, 280 Project reports .The library is automated using Integrated Library Management System (Autolib5.1) and recently upgrade the library with SOUL (Software for University Library) .Library is facilitated with DELNET and National Digital Library of India (NDL) membership, NPTEL ,e- Journal, e-Shodhsindhu, Shodhganga Membership, Springer open ,e-books, Database. Library has remote access to e-resources with a connectivity bandwidth of 100 Mbps. The working time of Library from 8.30 AM to 8.30 PM. The Utility rate of the library per day is 41.96%.The library can accommodate 150 members at a time.

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

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

Response:

Response:

Introduction:

Annapoorana engineering college has adequate facilities for sports, games (Indoor-outdoor), Gym, Yoga centre, Club and cultural activities. The college was always enthusiastic and encourages the students to actively participate in games and sports apart from the academics. College frequently conducts sports and games on their own interest. Sometimes there is a participation of outside funding bodies by conducting sports meet, refreshment programs to provide a physical relaxation for the students. The college has enough playgrounds for physical activities and cultural activities.

(a) Sports:

The institution has a well-established 35839 sq.m playground. Institution has physical Director to train both boys and girls. Specific sporting events held on the sports day every year. Institution encourages our students to take part in university, district and state sports & games.

(b) Indoor games

The institution has professionally trained and qualified physical director to prepare students to take part in various state and university level events.

(c) Outdoor games

The Institute has a 35639 sq.m playground. Capacity meters for ball badminton court, football ground, cricket ground, kho-kho court, Kabaddi court, handball court, volleyball ground. Our students have good winning records at Zonal levels.

(d) Gym:

Institution has Power Gym for boys with facilities such as Bench Press, Tumbles, etc. . The gym facility is opened from 6AM to 8AM in the morning and 5.30PM to 7.30PM in the evening including Sundays & holidays.

(e) Cultural Activities:

The institution has many cultural activities, such as group dance, skits, MIME, debating, face painting, drawing, etc. The college also organizes every year Annual Day & Hostel Day function where students engage with enthusiasm and enhancement in many cultural activities.

(f) Club Activities:

There are 9 clubs running under Students Union of our college. Each Club has Faculty Advisors. Secretary and executive members from students are selected every year to run the Clubs with the guidance and support of the concerned Faculty Advisor. Extra-curricular activities and cultural activities are organized by these clubs.

The Institute has various clubs so students are eagerly conducting and participate many events such as blood donation camp, Eye donation and Clean India. Personality and Character Development programmes exclusively for first years are organized by Clubs.

(g) Health care

Medical facilities are available on campus for the benefit of staff and students. There is a separate dispensary under the supervision of a qualified physician on campus.

(h) Yoga Centre:

Yoga helps the students and staff in their educational endeavors to perform well. Our Institute provides students & employees with yoga training from reputable organization through professional trainers. Every year, our college also observes the International Yoga Day. Yoga teaches the importance of elements of the human body such as brain, consciousness, mind and body.

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

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

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 31

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	[View Document](#)
any additional information	[View Document](#)
Link for additional information which is optional	[View Document](#)

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

Response: 39.49

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

2018-19	2017-18	2016-17	2015-16	2014-15
30.03114	60.90605	495.75551	136.54408	221.59291

File Description	Document
Details of budget allocation, excluding salary during the last five years	[View Document](#)
Audited utilization statements	[View Document](#)
Any additional information	[View Document](#)

4.2 Library as a Learning Resource

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

Response:

Response

Annapoorana Engineering College Central Library is established with an area of 700sq.m. The seating capacity of library is 150 at a time. It functions with by providing various Text Books, Reference Books, e-Books, National & International Journals, Newspapers & Magazines, E- Journals and Databases. It provides many services like as Circulation, Reading Room facility, Reprography, Digital Library service, CD, Web OPAC, Reference services, News paper Clipping Service CAS.

Electronic Resource Management package for e-journals

The library subscribes to DELNET package. A well-equipped Digital Library with 15 computers having Internet connectivity is accommodated in the Library for access to E-Resources. As the access facility to e-journals is available the students can use the E-Resources from anywhere in the campus.

Library is automated using Integrated Library Management System (ILMS): Yes

Name of the ILMS Software   : AutoLib (2010-2019 Nov)

Nature of Automation (fully or partially)   : Fully

Version   : 5.2

Year of Automation   : 2010-2019

Name of the ILMS Software   : SOUL (2019 Nov)

Nature of Automation (fully or partially)   : Fully

Version   : 2.0.0.14

Year of Automation   : 2019

Automation

The College Library is fully automated. We are used AutoLib Software for our library from 2010 to Nov 2019. Now SOUL (Software for University Library) has been installed with the following six main modules for the library in-house operation using Barcode Technology:

- Acquisition Control System
- Bibliographic Control System
- Circulation Control System
- Serial Control System
- OPAC (Online Public Access Catalogue)
- Gate Entry Monitoring System (GEMS)

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

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

Response:

Response : Yes

S.No.	Title	Author
1.	Design of Reinforced Concrete Structure	P. Dayaratnam
2.	GATE: Computer Science and Engineering	A.Handa
3.	A Complete Guide to the GATE: Electrical Engineering	Trishna Knowledge S
4.	University General Chemistry	C.N.R.Rao
5.	GATE: Civil Engineering	B.Singh
6.	Unified Course in Chemistry: Volume-III	O.P.Agarwal
7.	Study Package Gate: Electrical Engineering	-
8	Mechanical Engineering for Gate	Vikas Slariya
9	GATE: Electronics and Communication Engineering	-
10.	Utilization of Electrical Energy	H. Partab
11.	Electronic Devices and Circuits	Jacob Millman
12.	Modern Electronic Communication Theory and Systems	Ashok Raj
13.	A Textbook of Electrical Technology	B.L.Theraja
14	Industrial Engineering and Management	O.P. Khanna
15	Embedded Microcomputer Systems	Jonathan W. Valv
16	Welding Technology	O.P. Khanna
17	Computer Graphics	Donald Hearn

18	Electronic Devices and Circuits	G.K.Mithal
19	Nabhi's Commentary on CPWD Specification VOl.1	A.Nabhi
20	Nabhi's Commentary on CPWD Specification VOl.2	A.Nabhi
21	Handbook on Concrete Mixes	
22	Visual Basic Database	Dennis Kenned
23	Electrical Engineering Fundamentals	Vincent Del Tor
24	50 Wonder of the Worlds	Hugh Thomson
25	Lighthouses	Ian Penberthy
26	The Land Extreme Earth	Simon Winchest
27	Around the world in 80 Wonders	Silver Bombell
28	Airport Planning and Design	S.K.Khanna

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

4.2.3 Does the institution have the following:

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: A. Any 4 of the above

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

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

Response: 3.8

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

2018-19	2017-18	2016-17	2015-16	2014-15
3.50250	3.58450	4.37000	3.13600	4.40090

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Any additional information	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 42.53

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

Response: 350

File Description	Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

Annapoorana Engineering College aims at providing the facilities to its students so that they can utilize these resources to reach greater heights. To enable this, the institution frequently updates its IT facilities to provide its students with the best of facilities. The new/additional computer laboratories are developed, systems are upgraded and necessary software is procured based on the syllabus. All departments submit their budget requirement in advance on the commencement of every academic year to the Principal for the installation of new or additional IT infrastructure along with other requirements. A review meeting follows the submission of required needs of lab and pursued, not only to meet the requirements of Anna University but also to equip the students in the new technologies, are sanctioned. There are 7 computer centres prior to 2014-15, and presently 10 computer centres are available with 400 computers. A total of 28 Classrooms have been equipped with LCD projectors. All the LCD projectors are implemented with audio visual systems in our institute. Smart Interactive Board class rooms are available for each and every department for better teaching-learning process. Presently 7 number of smart class rooms are available department wise. Smart Interactive Board has lecturer capturing system facilities and recording facilities. Three seminar halls are also equipped with Smart Interactive Board with audio and high speed net facilities. The entire campus is monitored by CCTV facility. The college is having open source software and licensed software installed in various departments. The college is having Library Software named SOUL for administration and OPAC. The college is facilitated with 400 computers that are accessible to the students. The faculties also utilize the available computers for their academic and co curricular purposes. Printers, Scanners, Copier Machine are available in the office, staffrooms, library, exam cell and laboratories for curricular and extracurricular activities. The college has 100Mbps internet connectivity (with wired and Wi-Fi hotspots with extenders). All computers in the campus are connected to the internet. The Wi-Fi facility is enabled in the college by installing controllers and Access points. The entire campus including Hostels has Wi-Fi connectivity for laptops and other devices. Students are given limited accessibility to this facility. The Institute has the ERP system, which provides the facilities like student administration, staff administration, payroll system, Inventory management, Academic monitoring etc. On the note of green campus all the course materials frequently uploaded in our ERP and website .This helps the students can access the course material anywhere at any time. The Internet bandwidth is upgraded time to time as per requirement and the technology is also constantly updated.

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

4.3.2 Student - Computer ratio

Response: 1.85

File Description	Document
Any additional information	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line)
>=50 MBPS

35-50 MBPS

20-35 MBPS

5-20 MBPS

Response: >=50 MBPS

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

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

Response: Yes

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

4.4 Maintenance of Campus Infrastructure

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

Response: 6.8

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

2018-19	2017-18	2016-17	2015-16	2014-15
5.78664	105.25443	7.36741	7.17697	9.53973

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

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

Response:

Response:

The management of Annapoorana Engineering College has developed systems and procedures for maintaining support facilities both physical and educational. Under their supervision, technicians frequently check appropriate facilities.

LABORATORY:

The college laboratories are designed in compliance with the prescribed rules and regulations. Necessary facilities and supplies are offered to provide students with the best educational quality.

Procedure for installation of new machinery or software:

- The request is made on the basis of the requirement of each department.
- Quotations are compared and in order of preference they are selected and suggested to best suit. Also Purchase order is raised.
- Machinery or software is received by respective departments.
- Preferred location is identified for installation and computer specifications are identified for making the required software compatible.
- Installation is done in the lab area in the presence of the concerned lab in-charge.
- Demo is delivered by the vendor to the lab in-charge and lab technicians for proper utilization.
- The laboratory in-charges and laboratory technicians are literally carrying out the respective experiment following the demo and taking the necessary readings and running the app. This is performed in the presence of the Department Head to ensure proper operation of the procured equipment before it is used by the students.
- Lab-in-charges record in the respective registers the descriptions of consumable and non-consumable equipment. The same is correctly approved by the Principal after receiving approval from the HoD.

-

  - The students conduct experiments with assistance and supervision from the lab-in-charges and laboratory technicians in their designated laboratories with regard to the time table.
  - Registers of consumable and non-consumable materials are regularly updated.
  - Regular cleaning of the machines is done by the support team in the presence of lab technicians. This cleaning is monitored by the lab technician concerned and is recorded in a check list.
  - Fire Safety equipment is maintained in labs as precautionary measure.

  -

Before the beginning of the academic year, a laboratory audit is carried out and a report is prepared on the requirement of new equipment, replacement of old equipment and updating of machines / software along with the requirement of consumables, non-consumables as per the university guidelines for conducting experiments. Regular inspection of machines is organized.

The following is displayed on the notice board of the lab.

- List of experiments
- List of equipment
- Timing of lab hours
- Lab in-charge name, lab technician's name
- Safety precautions
- Lab rules.

In case of breakdown of equipment, the same is recorded in the maintenance register duly attested by the HOD pending rectification.

LIBRARY:

The College librarian maintains the issue registers to monitor the book circulation among students and staffs, using book circulation register. Books stock register is properly maintained and auditing of books is

performed annually. Library Is Automated Using Integrated Library Management System (AUTOLIBS used upto October 2019 and SOUL Software used w.e.f. November 2019) has been established with facility to access and maintain the books easily in the rack. Every year library advisory committee is constituted to strengthen its activity. This committee allocates department wise budget for purchase of books, Periodicals and also conducts annual stock verification.

COMPUTER MAINTENANCE

The computer hardware and software, printers, photocopiers, WIFI, ICT Class rooms and LAN connectivity are supported by CSE department with system admin. If maintenance service identified is external, concern department head needs to submit the external maintenance/service requirement requisition letter to principal approval. Once the principal approved external service requirement, then concern external maintenance provider is contacted by concern heads or maintenance supervisor. Once External maintenance/service is completed, HOD/Supervisor needs to verify the acquired service with the help of technicians and then collect the bill from service provider, fill the cash voucher available in Administrative office and get approval from Administrative officer and principal then give it to the cashier to claim the bill amount.

CLASSROOMS

The environment of students, when they study, plays a pivotal role in their performance. It is therefore extremely necessary to provide them with a peaceful, comfortable and spacious environment.

- The ERP Software support and maintenance for student's attendance and details.
- Audio visual classrooms are offered in the campus to carry advanced lectures.
- Interactive classrooms are offered in the campus to carry the interactive lectures.
- Tutorial classrooms are offered in the campus to conduct special sessions for non-performers.
- The benches and windows are cleaned and mopping of the class rooms is done every day.

SPORTS

The college provides the students with the necessary facilities to perform sports activities. The Director of Physical Education shall guide the training and participation of students in various sports activities by the observer director of physical education and shall ensure that the sporting activities of the students and the conservation of the playgrounds are carried out smoothly. The Students are allowed to use and take sports materials notice to the Physical Director the specifics of the materials must be entered in the register. The

concerned authority makes a note on return of the same in the register. In case of any damage observed, the same is recorded in the register pending further action. A first aid box is always available for the students in case of any emergency.

ELECTRICITY & WATER FACILITY:

The electricity related repairs and maintenance activity is carried out by the team of Electricians and the water availability and the related works are taken care of by the maintenance department. The maintenance department is entrusted with the responsibility of minimizing the wastage of water. The Department is also in the process of establishing the necessary infrastructure for rainwater harvesting. As far as drinking water is concerned, comprehensive plans are in place for reverse osmosis and water treatment.

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

Criterion 5 - Student Support and Progression

5.1 Student Support

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

Response: 59.52

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

2018-19	2017-18	2016-17	2015-16	2014-15
334	424	379	351	320

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

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

Response: 49.01

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

2018-19	2017-18	2016-17	2015-16	2014-15
491	433	290	251	103

File Description	Document
Any additional information	[View Document]

5.1.3 Number of capability enhancement and development schemes –

1. **For competitive examinations**
2. **Career counselling**
3. **Soft skill development**
4. **Remedial coaching**
5. **Language lab**
6. **Bridge courses**
7. **Yoga and meditation**
8. **Personal Counselling**

A. 7 or more of the above

B. Any 6 of the above

C. Any 5 of the above

D. Any 4 of the above

Response: A. 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	[View Document](#)
Any additional information	[View Document](#)
Link to Institutional website	[View Document](#)

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

Response: 88.72

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

2018-19	2017-18	2016-17	2015-16	2014-15
686	612	542	556	352

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	[View Document](#)
Any additional information	[View Document](#)

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

Response: 0

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

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	0	0	0

File Description	Document
Details of the students benifitted by VET	[View Document]()
Any additional information	[View Document]()

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

Response: Yes

File Description	Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	[View Document]()
Details of student grievances including sexual harassment and ragging cases	[View Document]()
Any additional information	[View Document]()

5.2 Student Progression

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

Response: 78

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

2018-19	2017-18	2016-17	2015-16	2014-15
102	124	86	109	93

File Description	Document
Self attested list of students placed	View Document
Details of student placement during the last five years	View Document
Any additional information	View Document

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

Response: 10.76

5.2.2.1 Number of outgoing students progressing to higher education

Response: 17

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education	View Document
Any additional information	View Document

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

Response: 40

5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil services/ State government examinations) year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	1	1	0	0

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

2018-19	2017-18	2016-17	2015-16	2014-15
0	1	1	0	0

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

5.3 Student Participation and Activities

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

Response: 0

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

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

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

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

Response:

1.**Anti Ragging Committee**: This committee will look into the matters of any ragging issues within and out of the campus. This committee consists of the Management representative, principal, HoDs, AO, and student representatives (CRs), parent representatives from all the branches of engineering.

2. **Class Committee :**

The Class Committee Meeting is totally used to focus to enhance the class' performance in academics and to solve the students' issues regarding the classes.Class coordinators, Tutors, Faculties and HoD unite to hear the reviews from the student of the concerned class. This is where they decided to give some extra coaching for classes to enhance the performance and sometimes they even encourage a class's excellence. The Meeting has been successful thus far and lot of expectations has been disclosed and executions are done according to the disclosure. This is an important one because a class could be enhanced only if the negative issues are attenuated completely.

3. **Library Advisory Committee:** Student's role in the library committee is highly commendable because it is the student members who recommend the books and journals that they feel highly essential and beneficial for their personal and professional growth both in reference section and issue section. This committee also looks into the matters of literary activities.

4. **Sports committee**: College Sports Committee is constituted with Physical director as incharge, supportive staffs from other departments and students from all the branches form the members of the committee. Student players take the lead role in organizing periodical and occasional sports and games competitions apart from Annual Sports Meet.

5. Internal Quality Assurance Cell

 Internal Quality Assurance Cell consists of with principal as chairperson, external members, internal members, student representative to build and ensure a quality culture, appropriate structure and processes with enough flexibility to meet the diverse needs of the stakeholders at the college.

6. **Women's Empowerment Cell**

The cell aims to empower girl students and faculty, enhance their understanding of issues related to women and to make the college campus a safe place for girls and women and to address the practical issues related to the welfare and equal opportunities for Women faculty, staff and students. This cell consists of ladies faculty from all departments.

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

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

Response: 2

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

during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
2	2	2	2	2

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

5.4 Alumni Engagement

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

Response:

Alumni Association:

The college has an alumni association named Annapoorana Engineering College Alumni Association that stands for Annapoorana Engineering College old Students Association. The association had been running unregistered till 2018. Efforts are being taken to register the association and registered in the year of 2019 with register number of SRG/Salem East/118/2019, dated: 04.12.2019. The alumni meet provides a good opportunity for the institution to take inputs from alumni to make the students prepare for the industry.

The Objectives of Alumni Association are:

1. To keep a roster of all Alumni of college and their pertinent data.

2. Maintaining the updated and current information of all Alumni.

3. To encourage, foster and promote close relations among the alumni themselves.

4. To improve the expertise by the way of providing resource person and the experts through Alumni members.

5. To provide forums for the Alumni members to exhibit their products and expertise, further, give opportunity to promote their business and professional life.

6. To improve infrastructural and other facilities by the contribution from alumni.

7. To arrange for campus placement, projects, implant training and field visit.

The alumni association of college conducts the alumni meet annually. Meetings of the association were organized during last five years. Alumni also give the inputs regarding latest tools/technologies to the current batch students in the form of lectures. This is a very good opportunity for the students & faculty members to interact with the alumni. The feedback of alumni is given due consideration to fill the gaps in subject knowledge and understanding. Various programmes on interview skills, personality development, study abroad and carrier counseling are organized based on the suggestions given by alumni. Infrastructure facilities are being regularly upgraded or expanded to meet the requirements and aspirations of students based on suggestions given by alumni in alumni meet.

Alumni of the college bring students up to date with various job opportunities and corporate requirements. It's the goal of our college to create and maintain a life-long connection between the institute and alumni to support current batch students.

Mentorship:

      Alumni can play an active role in voluntary programs like mentoring students in their areas of expertise. To utilize the rich experiences of old students of the college for the benefit. To assist the students in securing suitable jobs.

Placements:

The alumni network of a college is one of the biggest sources of placement opportunities to the students. Alumni can help students get placed at their respective organizations. Job opportunities are provided by the alumni in their companies.

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

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

4 Lakhs - 5 Lakhs

3 Lakhs - 4 Lakhs

1 Lakh - 3 Lakhs

Response: 3 Lakhs - 4 Lakhs

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

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

Response: 5

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

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	1	1	1

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

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

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

Response:

VISION

To achieve greater recognition in our chosen fields of endeavour and to excel as one of the renowned engineering institutions with respect to technical education and research so as to produce competitive student's workforce to compete in the current Global Scenario.

MISSION

• To achieve the recognition as one of the elite engineering colleges through research, innovation in education, and the transfer of concepts and results to technology and engineering practice.

• To provide students with the fundamental knowledge, interdisciplinary problem solving skills, societal and business awareness, and confidence required to excel in their chosen professions and be leaders in a Global environment.

• To maintain a collegial, supportive, and diverse environment that encourages our students, faculty, and staff to achieve and compete to the best of their abilities.

The nature of governance, perspective plans and participation of the teachers in the decision making bodies.

Thirumuruga Kirupananda Variyar Thavathiru Sundara Swamigal Medical, Educational & Charitable Trust has been in the field of education since 1981 and our insatiable thirst for achieving excellence in education has taken us to greater heights of glory. Annapoorana Engineering College is a new child of the trust which was established in 2010 to meet the intellectual, social and academic needs of every student through appropriate and relevant quality inputs. Our focused attention, career oriented courses and excellent teaching will provide the students with required knowledge and skills and make them true professionals.

- Principal, Academic Coordinator and Heads of the Departments, faculty and staff individuals improve the quality of the institution with the support of the Top Management.

- For the development of the institution and to review the progress, the institution conducts regular meetings. The information will be gathered from the different partners through Institution Governing Body and feedbacks gathered from them including the faculty are taken as a premise by

the top administration to draw the quality approach for the foundation.

* To prepare the academic calendar before the start of each semester, an Academic Council committee meeting will be conducted in the presence of Principal, Academic coordinator and Heads of various Departments.

* After discussion with the Principal, Semester-wise Academic Calendar is prepared by the HODs

* Apart from regular curricular activities, the academic calendar includes arranging industrial visits for students, conferences/symposium, workshops, seminars, Guest Lectures, Project Expo, Placement Training and Social activities.

* Periodical meeting is conducted by the Principal with the HODs as well as with the faculty to equip the Laboratories and to monitor the progress of the students and departments.

* HODs conduct faculty meetings at regular intervals to monitor the smooth functioning of the department.

* The perspective plan of the institution is to refashion existing infrastructure facility, Development of Research and project oriented laboratory, library resources, more number of smart class rooms, Board rooms and sports facilities.

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

6.1.2 The institution practices decentralization and participative management

Response:

Annapoorana Engineering College thoroughly has faith in well defined decentralization and participative administration in each aspect of institute working. Through compelling decentralization, the institution rehearses effective assignment and improves the profitability of the college. Through participative administration, every individual in-charge handles their apportioned movement and guarantees its total and helpful conveyance.

Establishment has a culture of perceiving every single staff individuals and their conclusions. The decentralization and participative administration is rehearsed in whole scholastic and managerial undertaking of the establishment. The college has an organization structure that incorporates Board of Governers, Principal, Vice Principal, Dean, heads of department, Officer responsible for Examination, faculty members, office administrator, librarian, and nonteaching staff and other various committees.

The Board of Governers is in charge of key arranging of the establishment, guaranteeing organization execution and managing risk and responsibility. The head takes the choice in light of a legitimate concern for college. Every one of the choices are taken in the gathering of the top level and senior faculty individuals and the errand is conveyed to suitable level. Work plan to the faculty is assigned through HOD's and will be regularly verifying the syllabus coverage.

Programs related to empowerment of students & staff can be organized by the HOD's. The head of department conducts, monitors the department activities, conducts intermittent gatherings of all separate staff members actively engaged in handling academic activities in the department. Head of the department take proposals from the faculties for advancement of the academics and administration and forward the same to the college administration. The office superintendent takes up the matter related to non-teaching staff to the Principal, who puts the issue before the top administration level for further decisions. Also the students are involved to certain extent in decision making.

Students are taking decisions related to the functioning and their roles in student committee. Additionally the activities arranged and executed under the pennant of student council are generally observed by the students under the supervision of the teachers, Principal and management. In this manner, decentralization helps in powerful and quality change of training to the students.

The participative culture guarantees straightforwardness in both academic and organization. The object of participative administration and decentralization is clear from the various programs organised in the college.

The list of various committees to decentralize the academic and administrative activities is given below.

- Examination Cell
- Academic Council Committee
- Research and Development Cell
- Anti-Ragging Committee
- Womens Empowerment Cell
- Counselling Cell
- Grievance Redressal Cell
- Library Advisory Committee

- Internal Quality Assurance Cell (IQAC)
- Discipline and Welfare Committee
- Time Table Committee
- Alumni Association
- National Social service
- Website Management Committee
- Entrepreneur Development Cell
- Placement and Training Cell

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

6.2 Strategy Development and Deployment

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

Response:

The institution has a perspective plan based on the vision and mission of the college for a period of five years from 2018 to 2023. Our development through lateral thoughts of ICT based teaching- learning process to improve the quality of programs and institution.

The institution has provide with eminent knowledgeable faculty, and they works on its strategic plan to achieve the goal. Well-equipped laboratories, computer centres and provides rudiments sources for research such as library, computers provision etc. The college academic council advises the Governing body on suggestions related to academic affairs in order to suggest the Government body institutions for grants, scholarships, associations and rewards. It offers eminence technical education, research and development activities related to receiving of grants, funds from different agencies.

Internal Quality Assurance Cell (IQAC) should be a fragment of the institution's system andwork towards apprehending the goals of quality enrichment and nourishment. This is made possible with the help of perspective/strategic plans that chalk outthe necessary actions to be taken to grow and develop.

It has been premeditated by the institute for the imminent taking into contemplation the propositions from the stakeholders. The institution focuses on performance assessment and improvements. It addresses the

issues from the stakeholder's perspective and grosses steps to accomplish their necessities.

The Institute has following Perspective/Strategic plans for five years from 2018 to 2023:

1. To get NAAC accreditation
2. Autonomy of the institute.
3. To get permanent affiliation from university.
4. Better industry institute relationship through MOUs to enhance the activities of Entrepreneurship Development Cell.
5. Implementation and effective use of ICT enabled learning management system.
6. To Improve the Employable skills of the students, the collegeoffers more certification courses and provide coaching for competitive exams.
7. To motivate faculty members to upgrade the Teaching – Learning process.
8. To motivate all the Faculty members to register Ph.D.
9. To host more Conferences/Seminars/FDP
10. To organize National /International seminars on research related themes
11. To encourage more faculty members to publish papers in reputed International/National Journals with good impact factor.
12. To apply TEQIP fund from MHRD
13. To Harvest solar energy for functioning of the college
14. To actively participate in community based programs like Swach Bharat, Sapling plantation, blood camp, NSS activities etc.

One activity successfully Implemented based on the strategic plan:

The activity six was successfully completed:

A MoU was signed between Annapoorana Engineering College and IMPACT IAS Academy. They jointly conduct the coaching classes for competitive exams like IAS, IPS, IES, UPSC, SSC, IBPS and TNPSC – GROUP I & II Services for our students. Inauguration of the programme was held on 12.02.2019 at 10.00 a.m.

Chief Guest   :   Mr.Venkatesh Kumar,

The IMPACT IAS Academy, Chennai

Venue   :   Dr.A.Shanmugasundaram seminar Hall

Date   :   12.02.2019

The objective of the Training Centre:

- It was established with a view to achieve an excellence in the coaching.
- It is known for the most aspirants in campus providing coaching for Competitive Exams.

File Description	Document
Any additional information	<u>View Document</u>
Strategic Plan and deployment documents on the website	<u>View Document</u>
Link for Additional Information	<u>View Document</u>

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

Response:

GOVERNING BODY

Governance is the mechanism through which the best possible results are achieved with the limited resources. It is the processes of interaction and decision-making among the stake holders involved in a collective problem that lead to the creation, reinforcement, or reproduction of social norms and institutions. It is the key activity that connects the management, staff, students and the community. We make sure it should be effective, efficient and economical in execution of its duties. We support modern governance and proper administration and believe these should be carried out in a way that actively acknowledges diversity.

Annapoorana Engineering College was established in the year 2010 by ThirumurugaKirupanandaVariyarThavathiruSundaraSwamigal Medical, Educational & Charitable Trust (TKVTSSMEC TRUST), a Charitable and Educational Trust was started in the year 1981 with an objective to provide educational help, medical relief and public service. A renowned education trust with an objective of imparting high standard of education to rural children. The institution is located at Periyaseeragapadi, NH-47, Sankari Main Road, Salem- 636 308. The Trust of the institution is ably supported by the Governing Body in introducing matters of Policy, Planning and Development of the Institution.

Functions of the Governing Body:

- To organize the teaching and determine the teaching requirement in the college
- To monitor and evaluate the teaching programs in the college and suggest remedial measures.
- To appoint the Principal, HOD, the teaching and non-teaching staff on the recommendations of the selection committees constituted under the relevant regulations of the University

- To monitor faculty deployment and development, placement and industry-institute interacting activities in the institute/college and suggest remedial measures wherever necessary
- To perform such other duties and exercise such other powers as may be entrusted by the management and the University
- To Construct and maintenance of infrastructure and amenities for the institution
- To ensure the establishment and supervise proper, effective and efficient systems of control and accountability
- To monitor institutional performance and quality assurance arrangements
- To promote transparency and openness at every level

Human Resource Planning

- The Principal evaluate in the month of April each year, the staff requirement for the consequentacademic year.

- He acquires the staff requirement lists from all the Heads of department and arrives at the number of faculty members, Lab assistants and administrative staff required with the following guidelines in mind.

- He considers appointing a Professor to be the Head of every discipline, besides the number ofAssociate Professors and Assistant Professors required in accordance with the teacher student ratio prescribed.

- The teacher student ratio shall be 1:20 and for this purpose the Professor shall also be included incounting the number of teachers.

- He appoints a selection committee for recruitment in each discipline, composed of the Principal,HOD, and the Department's Advisors/Experts from the neighboring institutions.

The functions of various bodies, Service rules procedures, recruitment and promotional policies as well as grievance redressal mechanism are given as additional information.

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

6.2.3 Implementation of e-governance in areas of operation

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

A. All 5 of the above

B. Any 4 of the above

C. Any 3 of the above

D. Any 2 of the above

Response: A. All 5 of the above

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

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

Response:

Annapoorana Engineering College conducted many activities in the area of Academic, Research Co-Curricular,Extracurricular activities, Sports and Cultural activities etc. The effectiveness of various bodies, cells, committees are evident through one of the activity, i.e. 4th graduation day ceremony which was held on13.10.2018 in order to conduct the ceremony meritoriously the conveners, coordinator and committee heads where organized by the head of the institution. The convener Dr.S.Sharavanan, Vice Principal is directed the meeting and members for various committee, their duties and responsibilities have been finalized as per the necessity and requirement to ensure the event a splendid triumph.

Fourth graduation day ceremony was inaugurated by the chief guest shri M.Sivakumar, Chief Executive officer, ICT academy, he delivered the message on opportunities for young graduates and he shared the ideas for India by the year 2020. He urged students to develop as many ways of increasing employment in the country as possible.

The highlights of 4th graduation day ceremony for 113 UG and 11 PG graduates received their degree certificates.

The following sequence of the activities which were approved and carried out after establishing the various committees is

Registration spot registration committee: Registration the graduates and updating alumni details

Coordinating with robes and agenda committee: Invocation and Announcements.

Reception and Hospitality committee: RANGOLI at main points, bouquet for VIP and refreshment for them.

Stage arrangement committee: Preparing the Flux and banners, keeping water bottlesand its arrangements

Seating arrangement committee: Collection and arrangement of chairs plants parts and registration desk, sign boards for graduates

Degree certificate and rank certificate committee: Design of certificate for rank holders distribution of the certificates providing volunteers

Alumni meet alumni association registration committee: Distribute and collect alumni form arrangement of alumni meets in respective department

Photo/ Rope committee: Instructions to collect the rope from contractors, photo arrangements for graduates coordinating with registration

General arrangement committee: Refreshment to graduates and parents arrangement of drinking water and water for hand wash, helpdesk, sign board from entrance to exit.

Accommodation for students and parents committee: Arrangements of rooms are made in the hostel.

Public relation committee: Preparations of advertisement for the newspapers write up with coverage in media both electronic and print media and press hospitality.

Process an arrangement committee: Distribute the form of procedure for Convocation to chairman, principal and HODs. Certificate distribution Register from each department should get sign from principal, Chairman and chief guest.

Discipline and Control Committee: To get the graduates to sit in the respective place to guide the student to form the line in registration number wise.

Food arrangement committee: Lunch for all graduates, parents and staff members is planning to provide in first floor drawing hall.

Electrical and PA system committee: To get the help of electrical staff check the public address system and ac systems.

Transport committee: Arrange extra buses for nearby station to pick up the graduates and the parents.

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

6.3 Faculty Empowerment Strategies

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

Response:

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

Thriving for excellence in Engineering Education, Annapoorana Engineering College provides a wide range of welfare measures for both Teaching Faculty and non teaching staff. They are as Follows:

Welfare Schemes for Teaching Staff

- Sponsorship for attending conference, workshops and FDPs.
- Incentive for publication of papers / research articles.
- Cash awards for academic excellence / 100% pass.
- Motivation to register for Ph.D & to take necessary steps to apply research proposals, getting financial grants, etc.,
- Financial support to enrol as members of various professional bodies and societies.
- Various facilities such as use of laboratories, use of computers, E-library are provided to faculty to pursue research.
- In-House faculty development programmes are conducted to enhance professional teaching & communication skills.
- Free Medical emergency transportation
- Free transport facilities
- Fees concession for the children of Faculty studying in sister concerns Vinayaka Missions group of Institutions.
- Sports activities are arranged for the Teaching Faculty .
- Staff Club exists for the Teaching faculty members and under this birthdays, wedding days of all employees are celebrated once in a month. Staff tour is also arranged once in a year.
- Gifts are given for Diwali Celebrations.
- Medical leave is allowed for appropriate faculties.

- Maternity leave up to 6 months is allowed for female faculty.
- Sanction of 15 days leave for marriage.
- Causal leave / Compensatory leave to all eligible staff.
- Winter and summer vacation leave to all teaching staff.
- Faculty members opting to stay in hostel are given free accommodation.

Welfare Schemes for Non-Teaching Staff

- Waiver of fees for teachers' children in Annapoorani Matriculation School.
- Special Study Leave (SSL) to pursue higher education.
- Free Medical emergency transportation
- Free transport facilities.
- Medical leave and Maternity leave.
- Sanction of 15 days leave for marriage.
- Uniform is provided at free of cost to all non-teaching staff.
- Free Refreshment (Tea) for non teaching staff.
- Winter and summer vacation leave.
- Gifts for Diwali Celebrations.

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

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

Response: 41.97

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

2018-19	2017-18	2016-17	2015-16	2014-15
65	44	36	34	28

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	[View Document]
Any additional information	[View Document]

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

Response: 4

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

2018-19	2017-18	2016-17	2015-16	2014-15
7	5	3	3	2

File Description	Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres).	[View Document](#)
Reports of Academic Staff College or similar centers	[View Document](#)
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	[View Document](#)
Any additional information	[View Document](#)

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

Response: 70.36

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

2018-19	2017-18	2016-17	2015-16	2014-15
69	81	73	75	59

File Description	Document
IQAC report summary	[View Document](#)
Details of teachers attending professional development programs during the last five years	[View Document](#)
Any additional information	[View Document](#)

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

Response:

Faculty Performance Appraisal System

Performance Appraisal is a measurement mechanism of the performance of members of the staff in terms of certain defined criteria and grades of achievement on the criteria concerned to form the basis for devising human resources development schemes and strategies in addition to compensation-package related decisions and if conditions warrant issues of severance of employer-employee relationship.

Performance Appraisal System (PAS) for Teaching Staff, PAS is done annually through the: Academic Audit System (AAS), Semester-wise through, Student Feedback Scheme (SFS) and at the time of Promotion under the Career Advancement Scheme (CAS) scheme of the college.

Every year all teachers have to submit a comprehensive self-assessment report through their Head of the department to the Principal. The report includes their contribution to teaching, learning, evaluation related activities, co-curricular, extension, and profession related activities, research, publications and academic contributions. They are evaluated by a committee of senior faculty. In addition, at the end of every semester feedback from the students are also obtained with regard to course delivery by the teacher concerned. If necessary, corrective actions are taken by the HOD concerned. Students also provide their exit feedback about the teachers at the end of their programme.

All supporting staff submit their annual performance appraisal report at the end of the academic year. The report includes their responsibilities, duties performed during the year and participation in training programmes during the year. The report also includes assessment by the HOD concerned under various parameters with regard to the working of the staff during the year. Also, HOD's feedback is obtained for the non-teaching staff before the staff is put on probation after completion of initial temporary appointment period and also before confirmation after completion of probationary period.

The Structure of self-appraisal for Faculty members consists of the following parameters:

- Teaching, Learning and Evaluation components
- Research and Consultancy
- Department and Institution Development
- Awards and Recognition

Teaching, Learning and Evaluation components

Teaching, Learning and Evaluation components consist of the following categories:

- Result analysis: Pass percentage and Class average
- Participation in FDP, Seminars and workshops
- Organizing FDP, Seminars and Workshops

Research and Consultancy

The research and consultancy components consists of:

- Papers presented in the Conference
- Papers published in the Journals
- Participation in research activities
- Funded project proposed and sanctioned
- Consultancy work undertaken and revenue generated

Department and Institutional Development

- Faculty contribution for the development of the department and Institution
- Faculty roles and responsibilities in the department work
- Faculty advisor/ Class advisor
- IQAC coordinator
- Members in department/ Institution level committee

Awards and Recognition

- Awards won at state, national and international levels
- Recognition such as peer reviewer, guest lecture, board of study members.

The Structure of self-appraisal for Non-teaching staff consists of the following parameters:

- Years of service in the Institution
- Skill Development undergone
- Contribution to the laboratory maintenance and development
- Participation in the departmental activities.

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

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

Response:

Yes. The Institution has both Internal and External Auditing system.

Internal Audit is performed by officials deputed from Trust office periodically and the reports are obtained before conduct of the external audit which is normally done after the closure of the accounts in all respects.

External Audit is done by the Statutory Auditors appointed by the Trust after 31st March of the subsequent year. The external financial audit is necessary to examine the institutional records and operations and to ensure financial statements are accurate. Administrative process of our institution like preparing budget, accounting, purchase and bill settlement process are done time by time. Regular periodical audit is done to ensure the best use of financial resource of the institution.

Budget proposal are created by the Heads of various departments, which would include the requirements for departmental labs, equipments, and fund requirements for various departmental activities like guest lecture, workshops, seminars, Industrial visit, and purchase of reference books. Sponsoring for FDPs, Membership in Professional Bodies are also included in the departmental budget. Yearly departmental budget is proposed from all departmental Heads and various sections of the institution to the principal. The Principal along with the consolidated departmental budget, prepares an Annual Organisational Budget, including expenditure for salary, electricity, fuel, building maintenance, water, and other miscellaneous expenses. Expenses are also reserved for waste management, maintaining green environment and services to the society. The consolidated annual budget is planned under careful consideration of the needs of all the departments and finalised by the Finance Committee. The college annual budget is then discussed in the Governing Body meeting and submitted to management for approval. The management review the annual budget of the college and based on priority, the funds are sanctioned. The budget review is also done periodically.

Summary of daily accounts is maintained in accounts department and is then submitted to the Principal through the Administrative officer. Proper usage of funds are maintained in a systematic manner. Reallocation of budget is also done in case of any unexpected needs.

Every year the accounts are further reviewed and finalised by external auditors and audited financial statements are prepared and provides inputs to incorporate the required changes as per the statutory requirements. The figures of the audited statements and budgets are compared during the governing body meetings necessary analysis is done. If the budget exceeds the expectations then explanation is called from the Principal. If the explanation is satisfactory then the audit is accepted.

The consolidation of the budget has been completed and the annual returns have been submitted to Income Tax Authorities and to the other relevant authorities concerned.

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

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

Response: 0

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

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

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

Response:

Response:

Fund Mobilization:

Annapoorana Engineering College is a self-financing institution, affiliated to Anna University, Chennai, and the major portion of the income comes through Admission fee, as fixed by Anna University, Chennai from time to time. At the time of admission, the College collects the tuition fee, AICTE affiliation fee, miscellaneous and soft skills training fee, etc. Nominal Bus fee is collected from the student and faculty members for using the college bus facility. The canteen facility is also available on payment basis. Another source of income for the institute is from collection of fines from the students. The list of fines are library fine for non return books, laboratory fine for breakage of laboratory apparatus and also for non submission leave forms on time for leave availed by without permission.

Thirumuruga Kirupananda Variyar Thavathiru Sundara Swamigal Medical Educational & Charitable Trust (TKVTSSMEC Trust), offers a wholesome amount of ONE CRORE every year through the trust, to provide scholarship to the poor and downtrodden students to pursue their higher education.

Funds are also received from various Professional bodies & funding agencies for the conduct of various events such as Seminars, Workshops, Conferences, Symposia, etc. Funds are also mobilised through Alumni Association. The college conducts Central and State Government online exams in the college campus computer centre and funds are received for the conduct of such exams. Funds are also received from EDII for conducting various Entrepreneurship related activities.

Optimal Utilization

Construction of college buildings and infrastructural maintenance form major part of budgeted fund utilisation by the college. The expenditure also mainly consists of salary payments to Teaching Faculty and Non Teaching staff. Laboratory infrastructure and maintaining building infrastructure, transport maintenance, fuel, electricity, purchasing of library books, racks, stationeries, furniture and other recurring expenses are other major part of expenditure. Funds are also sanctioned in part for faculty members for attending FDPS, Conferences, workshops conducted in other colleges. Partial Sponsorship is also made for Faculty membership in professional bodies. The college allocates a wholesome amount every year to waste management and to maintain green environment in and around the campus. As per the yearly requirements, the college offers funds for conducting workshops, seminars, conferences, symposia, FDPs etc., to the various departments of the college. Funds are also utilised for conducting of co-curricular activities of the department. Sports day and annual day expenses are allocated from the college budget. The college renders societal services to the backward areas around the college through its self – financed NSS unit, and hence expenses are also incurred in this regard. Meritorious students and Faculty members producing 100% results are also awarded cash prizes in the annual day celebrations. College closely monitors the expenditure, so that deficit budget never comes on the way.

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

6.5 Internal Quality Assurance System

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

Response:

Response:

IQAC in any institution is a significant administrative body that is responsible for all quality matters. It is the prime responsibility of IQAC to initiate, plan and supervise various activities that are necessary to increase the quality of the education imparted in an institution or college.

To enhance the quality improvements in the academic process and also as a pre-accreditation exercise IQAC was formed in our institution on 07.07.2017. The cell is coordinated by a team of faculty members from all the departments.

Objective:

The objective of the cell is to develop a system of conscious and consistent improvement in the overall performance of the institution at all levels, with the involvement of all stakeholders towards quality enhancement, through internalization of quality culture and institutionalization of best practices.

Functions of IQAC:

The IQAC at Annapoorana Engineering College helps for proper academic planning, execution, monitoring and evaluation. IQAC is responsible

- Continuous evaluation of academic performance
- To help students gain hands-on experience about functioning of the industry and further prepare them for the industrial jobs, Memorandum of Understandings (MoUs) are signed between various organizations.

- Conducting Internal Quality Audits periodically to verify the effectiveness of measures taken in reaching the quality parameters.
- Through the cells formed, various technical events will be conducted relevant to their latest technology.
- To improvise the Teaching-Learning process through ICT usage in classrooms, training, workshops, Remedial classes for slow learners, etc.,
- Initiation of Outcome Based Education
- Conduct of Institution – Industry Interaction
- Conduct of Value-Added Courses, Certificate Courses and Vocational Education Training
- IQAC organizes several Quality initiative programs to faculty and students.

Quality assurance strategies and processes

1. **Course File and Lab Manual Audit :**

Conducting course file audit has become an integral part of quality assurances in educational institutions. IQAC through the departmental heads instruct to conduct Course File and Lab Manual Audit and review. Systematic schedules are drawn and circulated prior in advance for the conduct of the Audit. Inter-Departmental Internal Audits are conducted once in every semester to monitor and review the course objectives, course plan, hand outs, course materials, Lab Manuals and other course related materials. The details are recorded and are submitted to the IQAC Committee for review.

1. **Feedback Monitoring:**

IQAC insists on feedback collection and monitoring system for bringing about improvements in the quality of Teaching-Learning process and the Institution as a whole. Department-wise, Online Feedback are collected from the Stake Holders (students, parents, Faculty members and alumni) regarding teaching-learning process. Feedback are also collected from the students regarding the Value-added course, Certificate course and Vocational Education Training Course conducted as a part of co-curricular activity. Suggestions are also invited for the betterment of the course. The feedback thus collected increases the opportunity for further improvements to be made to the program and enable the institution to know the number of beneficiaries. On verifying the feedback once in a semester, a summary is submitted to IQAC for review.

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

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

Response:

The main objective of IQAC is to ensure quality assurance of academics activities and administrative works. It functions for the growth of faculty and students, and provides guidelines periodically.

Following are the innovative processes adopted by the institution in Teaching and Learning:

1. Introduction of Value added courses, Certificate courses & Vocational Educational Training to complement the present curriculum.
2. Initiating Outcome Based Education through mini projects, model making, Industrial Visits, In-plant Training, Internship, etc.., to enhance their knowledge level beyond their syllabus.
3. Promoting the usage of ICT tools , Smart Boards and NPTEL videos for enhancing Teaching –Learning Process
4. Through Industry - Institute – Academia collaborations, guest lectures are arranged on advanced topics by Eminent Academicians and Industry experts.
5. Conduct of quality initiate programs such as National & International Conferences, FDPs, seminars, workshops, training and Symposiums.
6. Feedback from stake holders (students, teachers, parents and alumni) are collectedand corrective action are taken

IQAC Contribution towards effective Teaching & Learning processes are as follows :

1. IQAC organizes regular academic audits to ensure effective implementation of teaching learning process and maintenance of course files.
2. Exams monitoring through Academic Committee and Exam Cell Coordinator.
3. Identifying the new processes/delivery method and recommending the same for improving the

quality.
4. Arrangement of Remedial classes for slow learners
5. Soft skill training to suit the job needs of the students.
6. Mentor-Mentee allotments are introduced to help students overcome the challenges faced by them.
7. MOUs are signed with leading Industries / Corporate Houses for Training & Development
8. Action Taken on Feedback collected from the stakeholders (students, teachers, alumni, and parents).

TWO EXAMPLES:

1. Value-Added Course, Certificate Course and Vocational Education Training

IQAC assesses the quality of the various Value-Added Course, Certificate Course and Vocational Education Training courses through proper monitoring and analysis of the feedbacks collected. Verification of the approval of the courses from the Principal is made. The Time table schedules and the faculty allotted for the course are verified. The student's attendance for the course is monitored. The feedback forms collected at the end of each course is analyzed and further improvements if needed are made in the course. The feedbacks monitored are assessed and is used to derive information about the beneficiaries of the course.

2. Internal Exams monitoring

IQAC assess the Question Paper Format and Syllabus Coverage for Internal and Model Examinations through the respective HODs. It also verifies the availability of Invigilators and monitors the schedule and timings for the conduct of the exams. The HODs verify that the Question papers are set as per Blooms Taxonomy and percentage of attainment of course outcome. Consolidated marks statements and the list of failures are prepared. Mentor-Mentee allotment is made and Remedial classes for the slow learners are conducted.

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

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

Response: 12.2

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

2018-19	2017-18	2016-17	2015-16	2014-15
18	15	13	8	7

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
Any additional information	View Document
IQAC link	View Document

6.5.4 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements**
2. **Academic Administrative Audit (AAA) and initiation of follow up action**
3. **Participation in NIRF**
4. **ISO Certification**
5. **NBA or any other quality audit**

A. Any 4 of the above

B. Any 3 of the above

C. Any 2 of the above

D. Any 1 of the above

Response: B. Any 3 of the above

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

6.5.5 Incremental improvements made during the preceding five years *(in case of first cycle)* **Post accreditation quality initiatives** *(second and subsequent cycles)*

Response:

The College has made several incremental improvements over the last five years in respect to Infrastructural developments, Activities, Events, Facilities and Library.

S.No	IMPROVEMENTS	
	2018-2019	
1	**Infrastructure:**	
1.1	Shifting of Girls Hostel to the New building.	
2	**Activities:**	
2.1	Inaugurated Entrepreneurship Development Cell and various programs are been organised by Entrepreneurship among students.	
2.2	Through EDII, received a fund of Rs.60,000 / for conducting Entrepreneur Awareness Camp.	
2.3	Signed MOU with Salem Productivity Council and Million Minds for enhancing Entrepreneurship amon	
2.4	Signed MOU with 10 Industries / Corporate Houses for Student Internship, Inplant Training, Placem Courses	
2.5	Mr.M.Vigenesh , Assistant Professor, Computer Science & Engineering completed Ph.D from Coimbatore	
2.6	Central & State Government related Online exams were conducted in the College campus computer Cen	
2.7	ISO Quality Certification was received	
2.8	Academic Administrative Audit (AAA) was conducted in an orderly manner on dates scheduled	
2.9	Two new Value added courses - Motivation & Personality Development were introduced.	
2.10	Our faculties are encouraged to write the book on their area of interest and publish them with ISBN n	

	than 10 books were published by our faculties in team and as individual.
2.11	The number of publications in UGC Approved Journals have increased.
2.12	Conduct of FDP, Seminars, Workshops, soft skill training and Personality Development Programs hav over the years.
3	**Facility:**
3.1	Smart Boards were purchased & installed
3.2	Solar Online Grid installation process started
3.3	Installation of CAMU ERP for Digital Campus, which enables institution to generate automated re administration and academics.
3.4	CCTV Cameras were installed in the computer centre
3.5	In the Department of Computer Science and Engineering, at present 400 Computer Systems are in use capacity 100 Mbps
3.6	Installation of additional Wi-Fi Routers
4	**Library:**
4.1	Library has 20587 books including 1636 Department Library books.
4.2	Auto-Lib software was purchased in the year 2010 and is in use till the end of Academic year 2019.
4.3	Additional 1200 Engineering books are purchased every year
4.4	Rare books account for 45 books
4.5	On an incremental basis: 1. the Magazines subscribed till 2019 accounts to 20 numbers. 2. the E-Journal subscribed accounts to 1000 number 3. as per the norms of AICTE, 48 National Journal subscriptions and 48 International Journal subscript
	2017-2018
1	**Infrastructure:**
1.1	Construction of Open Auditorium
1.2	Shifting of Boys Hostel to the new building
1.3	Canteen was shifted to a new building with separate space for student and faculty dinning with 300 seati
1.4	Construction of Rainwater Harvesting tank

1.5	Construction of Main Dome	
2	**Activities:**	
2.1	Inauguration of IPR Cell	
2.2	Internal Quality Assurance Cell of AEC was constituted	
2.3	Signed MOU with 8 Industries / Corporate Houses for Student Internship, Inplant Training, Placeme Courses	
2.4	IEI Student Chapter was initiated to promote multidisciplinary participation of students in professional d	
2.5	Organised a "One Day National Conference on Science, Engineering, Technology and Management" - N	
2.6	Organised a " Two Day International Conference on Innovations in Science, Engineering, Technolog ICISETM 2K18	
2.7	Academic Administrative Audit (AAA) was conducted on dates scheduled	
2.8	Dr.A.Anbuchezian, Principal enrolled as FIE Member in IE(I), Salem [F-1234214]	
2.9	Mrs.T.Buvaneswari, Assistant Professor, Department of Computer Science & Engineering completed Missions University, Salem	
2.10	Mr.R.Venkatesh, Head, EEE completed Ph.D from Anna University , Chennai	
2.11	Mr.D.Mohan, Assistant Professor, Automobile Engineering ,registered for Ph.D in Mechanical University, Chennai	
2.12	Value-Added Courses on Entrepreneurship Development Program was introduced.	
2.13	Zonal Level prizes were won for Ball Badminton, Chess, Badminton , Cricket, Kabbadi, Kho- competition, Prize was won for Best Physique	
3	**Facility:**	
3.1	CCTV Cameras were installed in the college corridors	
	2016-2017	
1	**Laboratories:**	

1.1	Components were purchased for Embedded Laboratory	
2	**Activities:**	
2.1	Mr.S.Sharavanan, Professor & Head, Department of Computer Science & Engineering completed Missions University, Salem	
2.2	Mr.O.Saarvanan, Professor, Department of Computer Science & Engineering completed Ph.D fro University, Salem	
2.3	Mr. S.Venkatesh, Professor, Department of Mechanical Engineering completed Ph.D from Anna Univer	
2.4	IAS/ IPS Academy started in AY 2016-2017	
2.5	Signed MOU with 10 Industries / Corporate Houses for Student Internship, Inplant Training and Placem	
3	**Facilities:**	
3.1	Installation of RO Plant	
	2015-2016	
1	**Laboratories:**	
1.1	Components were purchased for Optical & Microwave laboratory and Communication Laboratory	
1.2	EEE: For machines laboratory the following tools were purchased: • Capacitance Load-1 no. • Lamp Load-1no. • • • •	
2	**Activities:**	
2.1	Inauguration of Research and Development Cell	
2.2	Annapoorana Service Station for two wheelers was started in August 2015	
2.3	Mr.R.Vinothkanna, Head, ECE completed Ph.D.at Anna University, Chennai	

2.4	Mrs.S.Subhashini, Assistant Professor, Department of management Studies completed Ph.D from University, Salem	
2.5	Mr.V.Moorthi, Assistant Professor, Automobile Engineering registered for Ph.D in Mechanical University, Chennai	
2.6	Signed MOU with 8 Industries / Corporate Houses for Student Internship, Inplant Training and Placement	
2.7	One additional Journal Display racks was purchased	
	2014-2015	
1	**Laboratories:**	
1.1	Additional Components were purchased for MPMC Laboratory	
2	**Activities:**	
2.1	In Sports, Zonal Level prizes were received for Chess, football, Kabbadi and Badmintton.	
2.2	NSS Activities were initiated and furniture / Stationary including Computer systems were donated to school, Periyaseeragapadi, Salem	
2.3	Signed MOU with 6 companies for Student Internship, Inplant Training and Placement	
2.4	Value Addded Courses, Certificate Courses and VET are conducted for students on scheduled dates.	
3	**Facility:**	
3.1	Relaying of college roads	
3.2	One additional Bus was purchased for transportation	
3.3	2 Journal Display racks are purchased	

File Description	Document
Any additional information	<u>View Document</u>

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

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

Response: 20

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

2018-19	2017-18	2016-17	2015-16	2014-15
5	4	4	4	3

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

7.1.2

1. Institution shows gender sensitivity in providing facilities such as:
   1. Safety and Security
   2. Counselling
   3. Common Room

Response:

1. Safety and Security

1. Fire extinguishers are available in our campus for emergency conditions.
2. Safety and security of the students are ensured by these personnel.
3. CCTV cameras are installed at different focuses for checking and monitor the campus & students.
4. Generator on campus is available
5. Health care by Annapoorana Medical College Hospital in the vicinity of our campus for all boys and girls.
6. Emergency Numbers and Important phone numbers are displayed in our campus for emergency conditions.
7. Internal Complaints Committees phone numbers are displayed in our campus for emergency conditions.
8. Anti-Ragging Committees name and phone numbers are displayed in our campus.

9. The youngsters are given special attention to the individuals who live in the Hostel.
10. With adequate lighting plans, the entire campus is secured during the night.
11. Transport facilities are provided in case, if crisis conditions emerge.

2. Counselling

1. All faculties are allotted 10 students for mentoring system.
2. The tutoring framework is established to improve the affinity between the Faculty and Students
3. The tutoring framework to keep tracks of the advance and guidance them for academic scholastic and self-improvements.
4. Our counselling system offers help to the girl students to realise and resolve their issues.
5. Timely educated to the Parents at whatever point the need that is lack of attendance, poor academic performance and psycho-social problems.
6. Annually we are leading festival for Women's day.
7. Women Personalities to share their experience and to offer advices to our students.
8. To reinforce them towards authority and self-inspiration.
9. Our college attempts to take care of personality improvement through classes, co-curricular and extra - curricular exercises.
10. The Training and Placement cell and Entrepreneurship advancement are likewise part of this endeavour.

3. Common Room

1. Common Rooms are given within the college campus for both boys and girls.
2. Restrooms are located on college campus for the convenience of students.
3. The campus offers facilities for indoor and outdoor volleyball, cricket and sports kits.
4. There's a multi-gym for boys.
5. Separate hostels for boys and girls are well-equipped.
6. All working days are served in vegetarian and non-vegetarian food cooked hygienically in the canteen.
7. The canteen is managed on a self-help basis, and a separate dining room is open to boys and girls.

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

7.1.3 Alternate Energy initiatives such as:

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

Response: 9.32

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

Response: 11500

7.1.3.2 Total annual power requirement (in KWH) Response: 123372	

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

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 100

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

Response: 19612.8

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 19612.8

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

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

Response:

Response:

Solid waste management

     Solid waste collected from canteen, kitchen and vegetable wastes are segregated in a dust bin. The collected wastes are transported and emptied in a pit and covered by soil and left as such for three months. After three months this solid waste is used as a manure to strengthen the greeneries grown in our premises. Arrangements for collecting food waste from canteen.

Liquid waste management

Liquid waste from the points of generation like the canteen and toilet in both hostel and college is segregated and let out through common drainage facility to a waste water tank at the corner in the campus. This helps to maintain and improve ground water levels. In the future, we decided to treat wastewater by sedimentation, which will then be used as natural organic compost for gardening.

E-waste management

In our Institution almost all computers, printers and electronic devices are in working conditions and no scraps are generated. The toners in the printers are refilled rather than throwing it out after it gets over. Therefore no e-wastes are generated usually. If they are generated in future, it is planned to sell them to a e-waste recycle company.

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

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Water is an integral part of land/soil productivity. Its misuse can cause both degradation and erosion of soils. Management of water resource in our institution is considered to necessary for well being of students as well as to maintain the greeneries in and around the campus.

Clean, fresh water is a limited resource. With all the severe droughts happening in the world, the limited supply of fresh water is becoming one of our most precious resources. Every person on earth needs water to survive. Conserving water is important because it keeps water pure and clean while protecting the environment. Very importantly conserving water means using our water resource such as rain water to be harvested wisely and be responsible.

Our institution selflessly involved in harvesting every drop of rain water from its roof only in order to recharge the ground water table of the institution's locality and that will serve both our institution and local people during droughts.

Here in our Annapoorana Engineering College, we have constructed 6 numbers of 12 feet x 12 feet square rain water harvesting pits of 4 feet depth in geographic aquifer areas around our campus premises. The recharge pits are comprises of 3 stage of filtration processes before the rain water are fed into the ground

namely bottom absorbent brick layer and middle course layer and top fine layer. The top layer consists of fine grounded M.sand which filters almost every dust and debris from the roof. The middle layer consists of the gravels and coarse aggregates which are closely arranged in such a manner that only negligible dust passes this filtrations. The bottom layer consists of broken bricks and clinkers which acts as absorbent which absorb all dust particles and allows only fresh rain water into the ground. In addition to that our institution doesn't utilizes its rain water directly for usage but it is harvested into aquifers as recharge and it can be used during droughts through tube wells. This aquifer recharge not only helps our institution but also helps the locality villages by improving its ground water table.

Benefits to our institution

1.Rain water Harvesting helps in recharging the soil.

2. Rain water Harvesting enhances the groundwater quality by dilution.

3. Rain water Harvesting increases the moisture content of the soil.

4 .Rain water Harvesting minimizes the run off water and also reduces the soil erosion.

Methods of artificial recharge of water in our institution:

1 .Recharge through pits, trenches

2. Rooftop collection of rainwater

3. Induced recharge from surface water bodies.

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

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

Response:

We have developed a wonderful infrastructure extravaganza with the "Clean & Green Campus" as its motto to provide a natural eco friendly ambiance to the students to enjoy learning experience at the lush

green atmosphere. The small seeds that we planted a few years ago have grown into a large number of trees. Now our campus is turned into an eco friendly and green campus.

The Rotaract club and Environmental Club members to sapling plantation and watering the Planted saplings under their care. Sapling plantation programs help in encouraging eco-friendly Environment, which provide pure oxygen within the institute and awareness among the villagers. Environmental Club associated with Salem Tree Club planted more than 1008 trees in and around nearby villages. Annapoorana College NSS unit associated with Rotaract club Jalagandapuram conducting various tree planting programs nearby villages to create awareness the importance of eco-friendly.

Our Institution has following green practices for environment sustainability;

Bicycles

Students are encouraged to come to the institution by bicycles. Students residing near the college use bicycles or walk to the college.

Public Transport

Local and mofussil bus stop is available near to the college within 100 meters. Students are able to avail the buses for transport.

College bus Transport

The college has around 9 buses for transportation to college from nearly 4 districts for students and staff.

Parking

Two wheelers and four wheelers can be parked at location inside the campus to ensure safety and are not allowed to run inside the campus.

Plastic-free campus

Stringent steps are being taken to make it a plastic free campus. Non-Biodegradable plastics are a tremendous burden upon the environment, and in keeping up with our commitment to the protection of the environment we practice the following policies:

Plastic is banned from the canteen. Disposable paper cups, Stainless steel plates and glasses only used.

Usage of Plastic Carry bags are not entertained in our campus.

Paperless office

In order to reduce our general consumption and reliance on unsustainable products, we Strive to reduce the usage of paper to a bare minimum, by taking the following measures:

The students' feedback is a very effective system for improvement of content delivery. The Feedback system at AEC is 100% paperless.

We do not send printed letters & reminders to parents and students instead we use the CAMU (E-Software) messaging service to connect & communicate with them.

We normally use the plain side of the printed paper to allow more intense use of the resources.

Waste paper is given to the vendors for recycling.

Communication inside the campus were made paperless by using the recent advancement in communication like Gmail, Whatsapp, Google drive. Usage of ICT enabled class rooms and smart classroom provides effective teaching environment.

Green Landscaping with Trees and Plants

Sapling plantation programs helps in encouraging eco-friendly environment, which Provides pure oxygen within the institute and awareness among the villagers. The college has eco-friendly green buildings which support environment the Ventilation in classrooms is adequate considering natural light and air.

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

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

Response: 1.6

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

2018-19	2017-18	2016-17	2015-16	2014-15
5.48	21.39	1.43	1.08	0.00

File Description	Document
Green audit report	[View Document](#)
Details of expenditure on green initiatives and waste management during the last five years	[View Document](#)

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

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

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: A. 7 and more of the above

File Description	Document
Resources available in the institution for Divyangjan	[View Document](#)
Any additional information	[View Document](#)
link to photos and videos of facilities for Divyangjan	[View Document](#)

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

Response: 12

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

2018-19	2017-18	2016-17	2015-16	2014-15
2	2	3	2	3

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

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

Response: 16

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

2018-19	2017-18	2016-17	2015-16	2014-15
3	3	5	3	2

File Description	Document
Report of the event	[View Document](#)
Any additional information	[View Document](#)

7.1.12
Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

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

7.1.13 Display of core values in the institution and on its website

Response: Yes

File Description	Document
Any additional information	<u>View Document</u>
Provide URL of website that displays core values	<u>View Document</u>

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

Response: Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	<u>View Document</u>
Any additional information	<u>View Document</u>

7.1.15 The institution offers a course on Human Values and professional ethics

Response: Yes

File Description	Document
Any additional information	<u>View Document</u>
Provide link to Courses on Human Values and professional ethics on Institutional website	<u>View Document</u>

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

Response: Yes

File Description	Document
Any additional information	<u>View Document</u>
Provide URL of supporting documents to prove institution functions as per professional code	<u>View Document</u>

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

Response: 20

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

2018-19	2017-18	2016-17	2015-16	2014-15
4	5	4	4	3

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

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

Response:

National festivals and birth / death anniversaries are conducted management with enthusiasm. Ours students are on a make towards clean and better India. They are join together with improve society of nation and people cultures like religion problem. Total Indian great personalities life history's showing the young minds through the programmers conducted on these days. Ever since our school days, we are told that on great Indian Personalities then national festivals, we should remember all those who sacrificed their lives or a part of their lives to freedom our country from the white heart of the British. But what I strongly feel is, we should also remember them on the days they were born and the day they left after serving the country. Sadly, many of us remember birth dates of film stars and cricketers but go blank when asked about the birth and death anniversaries of India's freedom fighters and revolutionaries. Remembering them is the least we can do for their super-great service to the nation. The main reason we celebrate festivals is because the majority of them are more or less religiously centered and thus we come to honor our religions. But festivals also give a sense of enjoyment, relaxation and offer the time needed to bond with family members whom we never really see. All over the world people enjoy taking part in celebrations. Celebrations enable student to have a good time and demonstrate what is important to them and their culture. This Celebration will help student to have a good understanding about the culture, characteristics and purpose of celebration so our management is concerned with great personalities anniversaries celebrated in front of student and teachers to make service mind. So here is the list of the birth and death/ festivals anniversaries of these great souls.

1. Institute Celebrates Pongal 14th JAN 2019.

2. Institute Celebrates Republic day Celebration 26th JAN 2019

3. Institute Celebrates National Science day Celebration 28th FEB 2019.

4. Institute Celebrates Visvesvaraya birth anniversary, Engineers day14th SEP 2019.

5. Institute Celebrates A.P.J.Abdui kalam birth anniversary, World Students day 15th OCT 2019.

6. Institute Celebrates Diwali 25th OCT 2019.

File Description	Document
Any additional information	View Document

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

Response:

Transparency in financial functions:

Absolute transparency in the financial, academic, administrative and auxiliary functions is maintained by the institution. Budget allocation of every year is done by the department heads and after the approval of the Principal, the fund is distributed to all the departments. The accounts sections of the college maintain all the account statements and also the related balance sheets. Students pay their fees through both the electronic and manual fee payment modes. Yearly audit is performed by eminent auditors at the stipulated period of time. The fee collected from the student is entered in the CAMU.Inshort all the fund transactions are entered in the CAMU.

The college conducts external and internal academic audits to maintain transparency in academic transactions. The college follows the centralized admission policy laid out by the Anna University. IQAC is serving as a bridge between the top Management, Staff and co-ordinates of all the academic and administrative committees comprised in the institute. The coordinators are guided by the Principal in consultation with IQAC. The internal and external audit of the financial operations is done with the help of prominent chartered accountants.

All the academic and administrative matters are assisted by the teaching and the non-teaching staff under the able guidance of the Principal. Regular meetings are conducted by the Principal along with the HODs in regard with college matters relating to finance, academics and developments. In these meetings future plans are formulated and progress is reviewed and evaluated. Numbers of committees are formed in order to help the further academic activities. Two representatives of the teaching faculty are on the Governing Council. The decisions taken in the corresponding meetings are circulated to all the faculties through electronic mails.

Appointments are done as per the requirements strategies and subjects are allocated to the staff members mostly according to their choice by the heads of the department at the beginning of each semester. Two internal assessment tests and one model examination are conducted to evaluate the students' learning status. The scripts are evaluated at the stipulated time and the marks are uploaded on the student information system, i.e., in CAMU.Students performance record sheets are sent to the parents after each test. At the end of each semester students appraise their teachers by giving the feedback for the purpose of

developing the teaching skills of the teachers. All the functions and co-curricular programmes are organized by various committee members including students and faculty members. Academic calendar is designed by the administrative committee with the help of all HODs and Principal.

The institution works for the welfare of the society by conducting numerous programmes undertaken by the different clubs which includes students and staff of the institution as the members.

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

7.2 Best Practices

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

Response:

1.Outcome Based Education (OBE)

Object:

In Annapoorana Engineering College, apart from the methods of teaching, Outcome Based Education (OBE) is also practiced. Activities are course seminar, course project, quiz, subject proficiency test that comes under the Outcome Based Education help a faculty member to assess the student on continuous basis. Even some of the engineering colleges around the country do not show interest to conduct the quiz, course seminar and course project facilities which are essential to the students.

The Context:

Annapoorana Engineering College, internal assessment test, practical examination and university examination are the only possible ways of evaluating the academic performance of the student as per the university guidelines. This activities based on the education can make the transition between academic to work environment and life easy. It not only boost students' employment prospects but also the confidence level among students to meet in real life challenges.

The Practice:

Based on the schedule of academic calendar provided by the University, Annapoorana Engineering College prepares its own calendar of events. In order to bring change in the skill levels of the students RIET college conducts competitions, workshops, presentations and organizes guest lecturers to make the students familiar with the working principles of the corporate world. College conducts number of motivation classes to the student to encourage them to focus on their OBE along with the theoretical knowledge. AEC's mission of imparting quality education with an emphasis on OBE and social relevance strategically has transformed the campus environment through its curriculum infrastructure and emphasis on more labs, major projects, workshops etc which gives students hands on experience.

Evidence of success:

AEC created an excellent infrastructure in terms of spacious labs, equipped with state-of-the-art facilities, and trained faculty. The Management conducts training programmes to the students as well as to the faculty with frequent intervals. Regular motivational classes are conducted to make students aware about the importance of developing practical skills. Faculty members are allowed to attend relevant training programmes conducted by the Universities, IIT's and NIT's from which they can learn new methods and techniques and the same can be imparted to the students.

Students are also motivated to attend various training programmes and certificate courses to improve their practical knowledge in one or the other field.

Problems Encountered and Resources Required:

The management is committed to perceive their students improving some practical skills which facilitate them to settle in their lives, there are so countless obstacles faced by both students and the staff members. For example, Students background, time constraints, lack of supporting staff, classroom management, adjustment problems to the students, High cost of training, students involvement and interest, the teacher student synchronization, and appraising the skills of the students are some of the problems we encounter with. In order to evade these problems we could do with fully equipped laboratories, trained faculty, library facilities to know the needs of the present world, follow up programmes to evaluate students perfection and etc.

2.REMEDIAL CLASS

In our college, we have conducted the bridge course for the students coming from state syllabus and rural schools find it difficult to cope with the NCERT syllabus.

So in the weekends as well in the regular evening classes, the important topics in grammar and the basic concept of the language is revised to prepare the students to understand the language in all aspects.

These sessions will be conducted for one or two hours daily and in the weekend days speak English this is a basic module which helps students to become conversant in English language. It is mainly designed to fulfill the needs of the students coming from non – English speaking background and here we mainly focus to improve the grammatical nuances and help students to converse properly without grammatical errors.

The class is designed for the slow learners who have little or no ability to read or write in English. This course prepares high beginning English learners to interact more effectively in English.

Students develop more vocabulary and reading skills. Grammar is formally introduced. Oral communication stills a major focus with this student. Here students are more independent in terms of their own learning and more fluid in this expression in English.

Regular evening classes and weekend classes were conducted to clear their paper in first attempt now there is a visible change in the language level. Separate question papers were arranged with new timetables. The devoted staff member team is allotted for the success.

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

7.3 Institutional Distinctiveness

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

Response:

ANNAPOORANA ENGINEERING COLLEGE popularly known as "AEC" was established in 2010. Academicians and Philanthropists with a concrete plan to offer excellence in technical education and to meet the present as well as the changing needs of the corporate sector. The college is located in a peaceful and lush green environment away from the din and bustle of the crowded city life free from pollution and congenial to attain technical knowledge. The nearest airport at KAMALAPURAM SALEM, Railway station at SALEM is 25 Kms and 15 Kms away from the college respectively. The college is well connected by National highway 47 to all parts of the district as well as the state.

Vision:

The vision of the college is "to provide quality education to all, especially to those from the less privileged background; to build a community of individuals who are responsible citizens; to motivate the students to work towards a harmonious, just and equitable social order; and to equip them to face challenges with courage and commitment".

Mission:

To impart knowledge which is empowering, value – based and holistic in nature.

To sensitize the students to environmental issue thus motivating them to be conscious of environment.

To create a vibrant academic atmosphere which focuses on teaching, learning, and research and outreach programs.

AEC has a vibrant pool of young and experienced faculty, renowned in their domains with wide exposure in teaching, research and consultancy. Most teachers at AEC are actively pursuing PhD and have published several papers in national and international Journals. The college facilitates Industry-Institute through MoU's with Industries in and around Coimbatore, Chennai,Salem,Madurai, Hyderabad. and NSIC for training, internships and placements.

The college offers training not only in academics and technical areas but also the in social skills, soft skills,ethical values and personality development. Student Chapters of Institution of Engineers (India) are active in all the Departments of the college in updating the technical know-how of the students. Students

and

faculty of AEC regularly participate in technical seminars, conferences and workshops. The college provides job assistance program (Campus Recruitment Training) to students of all years. Several students are being selected every year in campus selections of reputed companies and 80% of its alumni are well placed globally in organizations like Oracle, IBM, , TCS, Infosys, CTS, L&T, Cognizant, Tech Mahindra, Wipro and in Indian Public Sector too.

The college research wing provides hands-on experience to the students and facilitate them to get the live projects from local organizations (ONGC and CTRI), so that the students are able to get potential source of employment.

AEC is in vanguard of social service by adopting nearby villages. The NSS wing of AEC regularly conducts sanitation programmes, plantation, blood donation camps, literacy activities, SWATCH BHARAT, medical camps and clean and green programmes in villages in the vicinity of the college.

Annapoorana Engineering College has mainly focuses on rural area students to pursue their Higher Education. Our Institution provides Education as a service to the student who belongs mostly to the rural area. Apart from this we give importance to the students of poor background and motivate them for their higher studies. Students who come under the First Graduate category are provide with extra care through various means of scholarship and fees concession. These students are from Chinnaseeragapadi, Perumagoundampatti, Edanagasaalai, Mottur, K.K.Nagar, Kaadaiyampatti.

We have selected the rural area students those who have language problem to overcome their fear, we give extra care to them. And train them with individual care by regular evening classes and also conducted special classes in Sundays to improve their language skills. In this way these students can able to learn the course without any struggle. Moreover, we have conducted bridge course to the students. This bridge course plays vital role to enhance the knowledge of the students. The students are also co-operated with the staff and we have given a great success. We can see the visible changes from the students given us a great satisfaction.

And now these students can able to clear their arrear papers in single attempt. A team of staff members have allotted for the special classes and they have specially cared by individual. At present, these Tamil medium students can able to follow the regular classes and attend their examination without fear.

Our institution has taken step to motivate the poor background students and help them for their career through our trust.

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

5. CONCLUSION

Additional Information :

- Outcome-based education is delivered to achieve excellence through HR and infrastructure to make peak synergy among academics, practitioners and students for nation-building tasks.
- Our focus areas are student personality development, intensive practical training in labs and seminars, co-curricular events, and student analysis personal attention.
- Institute motivates all professors, staff, undergraduate and postgraduate students to focus on research and patent registration for their creative idea.
- Weak Students are given remedial classes to enhance the performance in all Courses.. Classes are performed to the slow learning Students.
- Advanced instructional tools are used to deliver syllabus content. Experts from Industry are also called upon to offer some of the topics in the courses.

Concluding Remarks :

The Annapoorana Engineering College was established in the year 2010 with 5 UG Programmes; the Institution stands tall today by offering 6 UG programmes and 2 PG programmes with a strength of 727 students and 85 faculty members. Our institution has green practices for environment sustainability. A good number of Co-curricular and extracurricular activities are held under the specialized course in engineering and technology, Adopting Outcome Based education highlights the distinctive success of the institute towards its mission, goal and thrust.

As per NAAC guidelines, we have completed the first step of Assessment and Accreditation. The Institutional Information for Quality Assessment (IIQA) is approved on 20/11/2019**.** It gives immense pleasure to submit Self Study Report of our Institution to NAAC for first cycle of Assessment accreditation. The report is an outcome of collective efforts of all faculty members, supporting staffs and students. This report is prepared as per the guidelines laid down by NAAC.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.1.2	Number of certificate/diploma program introduced during the last five years

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

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
18	18	12	12	12

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
18	18	12	12	12

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

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
428	373	360	342	306

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
428	373	360	342	306

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

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

Answer before DVV Verification : 56

Answer after DVV Verification: 56

1.3.3 Percentage of students undertaking field projects / internships

1.3.3.1. Number of students undertaking field projects or internships

Answer before DVV Verification : 456

Answer after DVV Verification: 432

	Remark : HEI input edited according to provided documents. Only latest completed academic year data to be considered.
2.4.2	Average percentage of full time teachers with Ph.D. during the last five years

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
14	10	9	9	8

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
14	10	9	9	8

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

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
7	4	0	0	0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
2	2	0	0	0

Remark : HEI input edited according to provided documents. Note-One Full-time teacher to be counted once for a year irrespective of number of awards or recognition in the same year.

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

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
10	9	7	5	3

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15

| 3 | 4 | 4 | 2 | 1 |

Remark : HEI input edited according to provided documents. Note - Only activities with a bearing on Intellectual Property Rights, Innovation practices, and Industry-academia initiatives to be considered

3.3.3	Number of Ph.D.s awarded per teacher during the last five years 3.3.3.1. How many Ph.Ds awarded within last five years Answer before DVV Verification : 0 Answer after DVV Verification: 7 3.3.3.2. Number of teachers recognized as guides during the last five years Answer before DVV Verification : 0
3.3.5	Number of books and chapters in edited volumes/books published and papers in national/international conference proceedings per teacher during the last five years 3.3.5.1. Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
21	27	3	5	7

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
21	27	3	5	7

3.4.2	Number of awards and recognition received for extension activities from Government /recognised bodies during the last five years 3.4.2.1. Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
7	6	7	6	5

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
5	2	5	2	2

Remark : HEI input edited according to provided documents. DVV consider awards and recognition received for extension activities from Government /recognised bodies. DVV required Letter of award from Government recognized body.

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
34	33	24	16	9

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
34	33	24	16	9

4.1.3	Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc
	4.1.3.1. Number of classrooms and seminar halls with ICT facilities Answer before DVV Verification : 31 Answer after DVV Verification: 31

5.1.5	Average percentage of students benefited by Vocational Education and Training (VET) during the last five years
	5.1.5.1. Number of students attending VET year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
306	276	243	230	157

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
00	00	0	0	0

Remark : HEI input edited to zero because DVV required documents not provide by HEI. DVV consider only those VET programs which are of a duration of three months or more

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
4	7	6	5	4

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

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

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
22	22	22	22	22

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
2	2	2	2	2

Remark : HEI input edited according to provided documents. Events not to be split into activities.

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

Answer before DVV Verification : 4 Lakhs - 5 Lakhs
Answer After DVV Verification: 3 Lakhs - 4 Lakhs
Remark : HEI input edited according to provided documents. DVV required Letter from Alumni for contribution relevant to same.

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

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	1	1	1

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	1	1	1

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

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
25	19	16	16	14

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
7	5	3	3	2

Remark : HEI input edited according to provided documents.

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

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
69	89	84	83	59

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
69	81	73	75	59

Remark : HEI input edited according to provided documents.

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

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
85	74	59	55	46

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
18	15	13	8	7

Remark : HEI input edited according to provided documents.

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

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

Answer before DVV Verification : A. 7 and more of the above

Answer After DVV Verification: A. 7 and more of the above

2.Extended Profile Deviations

Extended Profile Deviations
No Deviations