SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

CARE COLLEGE OF ENGINEERING

CARE COLLEGE OF ENGINEERING, 27, THAYANUR, TRICHY
620009

https://care.ac.in/engineering

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

March 2022

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

CARE College of Engineering offers application oriented engineering courses with hands on training in one of the most conducive learning environments in India. CARE currently offers 5 UG courses and 4 PG courses with an annual intake of 318.

CARE is located at a distance of 14kms from the central bus stand on the Trichy-Dindigul National Highway. CARE has state of the art facilities and highly experienced and trained faculty members. CARE focus is on academics as well as holistic development of the students. It inculcates the value of life beyond curriculum and explores the full potential of the students. CARE COE was formed by G.Narayanan Educational Trust in the year 2009. The trust had the vision to offer Quality Education with World Class Infrastructure, Fostering Creative Thinking, Encouraging Innovation, Creating the best Ambience for Education & Research and Multi-Disciplinary Education.

Thinkers and leaders are not just created in the classroom. Every part of CARE's 50 acres campus is designed to encourage collaboration and innovation, and to ensure students have access to the best facilities and materials. CARE's campus was designed by well-known Bangalore architect Mr.Sanjay Mohe, who is known for his keen eye for aesthetics and functional appeal. The campus buildings, situated next to 200 acres of beautiful lake, house state-of-the-art laboratories, computer centres, a well-stocked library, conference halls, and classrooms to accommodate both undergraduate and postgraduate students.

The college hostel provides each student their own personal space, while allowing for opportunity for collaborative study and discussions. The entire campus is built to be green, with an abundance of natural light and ventilation. We believe that open spaces create open minds, thus leading to creative thinking and innovation.

Vision

Vision of the College:

Transform Lives through Education & Research

Mission

Mission of the College:

- To impart quality education to students through critical thinking, creativity and the spirit of entrepreneurship
- To foster research and development in a conducive learning environment
- To develop in each member the ability and passion to work effectively for the betterment of humanity with cultural awareness, high ethical, moral values and a sense of social responsibility.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- The college is one of the most sought after colleges in Trichy and located in the Dindigul – Trichy National Highway.
- Goodwill as Professional initiated the College with strong Academicians/Experts Support.
- The college functions with a dedicated intellectuals of 15 Doctorates, 43 MEs and 8 MPhils as faculty members.
- The College has State-of-art laboratories with 100% full-fledged quality equipment.
- The College has well established State-of-art Centres of Excellence, which provide the required industry embedded training to make the students industry ready.
- The college has well established IT infrastructure having sufficient numbers of Computers distributed in all Computer laboratories. All faculty and students are provided with 68 Mbps bandwidth of connectivity throughout the campus.
- Even with the large percentage of students joining the college with rural background, the college is able to maintain its academic performance and placement records.
- The college has maintained its student placement record even during the Global economic slowdown.

Institutional Weakness

- Moderate Student admission in the past.
- Moderate University results Percentage in the year 2018-2019.
- Less number of faculty members aware about outcome based TLP.
- Less number of research and consultancy works undertaken by the faculty
- Less number of Government of India funded R & D projects
- Minimum number of Students have appeared for higher studies, competitive exams and become an entrepreneur.

Institutional Opportunity

- With the availability of a large number of Professional chapters and infrastructural facilities, faculty can contribute more towards research and consultancy.
- With the establishment of an Innovation and Skill Development Centre opportunities are available for number of students to become easily employable and entrepreneurs.
- The college has sufficient infrastructural facilities to have collaboration with more industries.
- More activity based events in recent and future technologies are conducted to kindle the interest of the students to learn further.
- Potential Job market can be explored in diversified fields of all Engineering streams but they expect Quality Employable Engineers.
- More number of opportunities for internship projects for students in industries and research laboratories.

Institutional Challenge

- More number of admitted students are average and below average

- Uplifting the academic standard of the students to meet industrial requirement
- Bringing out skills of students in research and innovations
- Coping with rapid changing in technology & the industrial requirements to improve the employability of the students are the biggest challenge
- With addition of new colleges getting autonomous and increase in intake of the existing colleges, there exists a stiff competition among the colleges for student admission. In this competition, recruitment and retention of the quality faculty is a big challenge
- There is a general tendency among the students to enrol for Arts and Science Programme, which reduces the number of students available for engineering admission. The college has to adopt appropriate methodologies to sustain and improve the quality of admission in future.
- Getting grants through Government funded projects and consultancy works is also a challenge to the faculty members.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

CARE College of Engineering (CARE CoE) is an affiliated Institution and strictly adheres to the curriculum, regulations of Anna University, Chennai.

Five under graduate programmes and three post graduate programmes as per the regulations and curriculum & syllabi of Anna University, Chennai, are offered. Each course follows the Choice Based Credit System (CBCS) and the syllabus framed by Syllabus committee, Board of Studies of Anna University, Chennai.

To bridge the gap between the academia and requirements of the industries an IQAC is constituted using stakeholders to review the suitable additional contemporary topics to be covered.

Well-planned curriculum delivery and documentation by framing academic planner in line with the academic schedule of Anna University.

All the Course handlers follow their lesson plan (Macro level), session plan (Micro level), lecture & practical schedule based on the academic planner, syllabus & department time table and maintains a course file with log book

Students' subject knowledge is further strengthened through industrial visits, guest lectures, workshops and conferences. The students are motivated to register and complete various add-on certification courses to enhance their employability skills. The regular classes are complimented with tutorial classes, special classes for students with arrears, and remedial classes for slow learners.

Centralized internal assessment tests are conducted in a very organized manner as per the Institution academic planner. Prompt valuation of the answer scripts and entry of the marks in time helps in monitoring the performance of the students and sending a report to the parents.

Class Committee meetings are conducted periodically to get feedback from the students on syllabus completion and difficulties faced in the learning process.

Faculty member is actively participating in the assessment and evaluation process of Anna University theory

and practical examination.

Students' feedback on faculty and Course End Survey is obtained from the students, for all the courses, at the end of the semester and the faculty members are motivated to improve the course delivery in the subsequent semesters.

The 'Outcome Based Education approach' in the teaching-learning-evaluation process is adopted for every programme.

Teaching-learning and Evaluation

The college provides an ambiance for the holistic development of the students. The college follows the academic calendar given by Anna University (AU), Chennai.

Admission done by Directorate of Technical Education, Government of Tamil Nadu, through AU, Chennai, based on students cut-off marks, for Govt. Quota. For management quota, admission is based on the merit list prepared by Consortium of Self Financing Engineering Colleges.

The newly admitted students are refreshed through Foundation (Bridge) courses on English, Maths, Physics and Chemistry. Their communication skills & Programming skills are developed by conducting special bridge courses.

The learning levels of the students are assessed by internal assessments during their course of study and special value added courses are offered to various categories of the students. They are encouraged to participate in the national/international Co-curricular & Extra-curricular to prove their mettle.

Well planned series of Skill Improvement Programmes are conducted for improving the learning ability of the students through experiential learning, participative learning and problem solving methodologies.

Regular usage of Information & Communications Technology (ICT) enabled teaching methodologies by the faculty members of all departments improves the effective teaching learning process.

Constant monitoring, support and counselling given by mentors to the students of various levels improve the competency of the students. Well qualified Faculty members with good retention are one of the key factors of our institution.

Regular assessment of students through assignments, well planned internal assessments and analysis of the performance of the students in the Internal Assessments along with the remedial measures pave the path towards the successful completion of the course by the students.

Programme Outcomes and Course Outcomes for all Programmes are framed, stated and disseminated to communicate to the stake holders.

Regular assessment and attainment of COs and POs through direct and indirect tools helps to provide a successful outcome based education in the institution.

Guest lectures by eminent personalities helps the faculty members to keep abreast of the latest developments in

their fields of specialization and also to identify critical issues in the teaching learning processes and effectively implement them for the benefit of the student community.

Research, Innovations and Extension

Our institution lays great emphasis on Research and continued innovation. All efforts are made by the institution to promote research culture in the campus. As a result of concerted and continuous efforts in this direction, the following are the noteworthy achievements:

The institution functions as an active research / innovation hub, with three incubators research recognised by The CARE. Faculty members are encouraged to enrol for research programmes. Apart from consistently producing doctorates, a funded research project has been undertaken through government organizations during the year 2013-2017. Research work by faculty members, students and research scholars have been published in referred international and national journals, conferences and book chapters.

Dissemination of new technologies through workshops/ Seminars / Conferences and Skill development programmes for students provide an excellent ecosystem for innovation. Quite a number of MoUs with national/ international establishments have benefitted students and faculty of all departments, encouraging new product development and patenting through IPR (Intellectual Property Rights).

Entrepreneurship Development Camps and Startup-Trichy are regularly conducted to encourage students to take up start-up ventures and be self-employed. Interdisciplinary projects have encouraged collaborative learning and have helped the students to tap the best of Industrial Consultancy.

Competitive learning is also encouraged through inter-college AICTE sponsored events like Vishwakarma, Learnathon, and Smart India Hackathon etc. Internships are arranged for students through the Internshala and various industries initiative of AICTE to provide professional grooming.

Holistic development of students have been ensured through their enrolment in units like National Service Scheme (NSS), Youth Red Cross (YRC), ECO CARE CLUB, Women Empowerment cell etc. Their multi-pronged community service approach has fetched the award for NSS Camp organized from Anna University.

Workshops/seminars conducted on Intellectual Property Rights and Industry-Academia innovative practices. Workshop on writing effective thesis and research papers is organized periodically for students.

Workshop on writing project proposals and research papers is also organized regularly for faculty members by internal and external experts. Special incentive is provided to the Faculty completing Ph.D.

Infrastructure and Learning Resources

The management shows keen interest in the creation and enhancement of infrastructure in the Institution for smooth running of all the academic activities and ensures effective teaching learning facilities including establishment of labs and other research facilities, improvement in academic and administrative infrastructure and maintenance of existing buildings & equipment.

The campus is located in a beautiful & peaceful location and is easily accessible. The institution has more than

adequate physical facilities for meeting the curricular, co-curricular and extra-curricular needs of the students.

Adequate budget is provided annually towards Infrastructure and its Maintenance. Each academic block has spacious classrooms, tutorial rooms, seminar halls, laboratories, staff rooms, and rest rooms with adequate seating, lighting and ventilation. Ramps are incorporated around the campus to support students with special needs. Good internet/intranet facilities including wi-fi connectivity is provided to deliver Audio/Visual content to the students. The central library has excellent collection of core books, reference books, Journals, Magazines, coupled with a Databases facility.

Exclusive sports facilities including fields for football, crickets, basketball, Kho-Kho, athletic track are made accessible to the students. There are indoor facilities for Table Tennis, Shuttle, Ball badminton, Carrom, and Chess Board games. A Gymnasium is also available at Hostel.

Cultural activities and events are regularly organized to encourage and explore the potential of the various cultural interests of students. Drinking water is provided through RO plants. Common rooms and Canteen are available for students. Fire fighting equipment is installed according to protocol around the campus. CCTVs are installed in all the buildings, common areas and students hostels for safety and continuous monitoring of the campus. The vibrant environment coupled with the Clean-Green campus ensures the all-round development and creates a pleasant experience for the students. The college provides well-furnished and comfortable hostel accommodation separately for outstation boys and girls with overall supervision of the management.

Trained Security Personnel are deployed at strategic locations under the supervision of a Security Officer and they keep constant vigil inside the campus. The campus is also provided with Solar Power Plants to promote green energy and to reduce carbon emission.

Student Support and Progression

Our institution provides essential assistance to students to enable them to obtain significant experiences for learning at the campus and to assist their complete development and progression. In addition to it, our institution also looks into the progression of students to higher education, productive employment, student performance and alumni engagements.

Most of our students are benefited by the Govt. scholarships and Management scholarships, as a part of student support. Good educational practices like soft skills, language and communication skills, yoga skills and ICT/Computing skills are effectively used to support the students to facilitate optimal progression. The needy students with learning difficulties are provided with specially designed practices. Also our institution has a well-structured, organized guidance and mentor mentee counselling system for students. Our institution is much concerned towards students' employment and higher studies. The reasons for poor performance of students are identified and the remedial measures are implemented. To facilitate the students, the institution has placement cell, entrepreneurship development cell, anti-ragging committee, sexual harassment committee, Grievance Redressal committee and Women Empowerment Cell.

The institution has the required infrastructure and promotes active participation of the students in sports and cultural activities at university/state/national / international level. Our institution upholds best practices for students and maintains good relationship with all the stakeholders. The Alumni are a strong support to our institution. Our institution believes that "Alumni are the reflection of its past, representation of its present and a link to its future". So we have an engaged CARE alumni network which allows us to benefit from the skills and

experience of our alumni. Alumni members are invited from time to time on various occasions and to facilitate the students.

Governance, Leadership and Management

CARE College of Engineering is a self-financing Engineering college approved by the AICTE and Affiliated to the Anna University, Chennai.

As per AICTE Norms the Governing Council is functioning under the Chairmanship of the CEO with the support of Principal for effective administration and control.

The institution practices decentralization and participative management in keeping with its belief in collective leadership and traditions. Frequent meetings of HODs and the staff are held, to generate short term and long term plans.

Institute has various welfare measures to encourage and empower the faculty members. The effective measures support them to meet their academic and professional goals.

The institution has a proper channel to generate funds for its smooth running in a sustainable way. This finance generated supports the Institution to meet its vision and mission. Proper strategic plans have been framed to generate funds and utilize the same in an optimal and effective manner.

Our institute has well defined financial system to monitor the utilization of funds in a centralized manner. Resource utilization for Infrastructure development, teaching and learning process, and other supplementary is done effectively and systematically as per various norms that were formulated and in practice.

The institute has an Internal Quality Assurance Cell (IQAC) that plays a proactive role in reviewing the current status and evolves programmes, policies and suggestions to improve quality in teaching and research.

IQAC co-ordinator makes recommendations for the future planning and development of the institution.

- He monitors progress of all the academic activities fulfilling the university guidelines and also takes care of the fulfilment of all the curricular requirements
- He advises the management on faculty recruitment, up gradation of existing infrastructure, motivates faculty and students wherever necessary and arranges general counselling for the students every semester

The mission is to strengthen by adopting changes as per the challenges in periodical manner so as to attain the institute vision.

Institutional Values and Best Practices

Since the day of inception, the Institution practices various activities and conducts programmes that constantly inculcate social responsibilities among the students. The institute organizes various seminars on the safety, security and empowerment of women and celebrates women's day as Yuvathi. To ensure the safety of women, CCTV surveillance cameras have been installed in every block and hostel. Committees have been formed under

senior faculty members to address various concerns of students in view of promoting gender equity.

The institution adopts various energy efficient practices to reduce CO2 emission, preserve fossil fuels, prevent disastrous occurrence of weather events. Retrofitted standard lamps with sensor based LED bulbs, use of LCD/LED computer monitors, use of Energy Efficient star rated ACs, to reduce atmospheric pollution, are some of the environment conscious practices in the campus.

Clean and hygienic waste management system by segregating degradable and non-degradable wastes is in practice. Routine water tank and sump cleaning, restricted use of automobiles inside the campus and sanitary napkin incinerator further ensure the cleanliness of the campus. Thirty numbers of rainwater harvesting, Six numbers of open well recharge, STP water recycling system and drip irrigation are the water conservation measures implemented in the campus.

More of the green initiatives taken to create awareness are the ban of plastic, restricted automobile use inside the campus, plantation of saplings, and wall paintings in the campus, etc. emphasize the significance of cleaner environment and sustainability

Appreciation letters from the Lion's Club for Green Campus award and an award from Local Village panchayat for the Special camp @ Thayanur through NSS are some of the rewards for our continuing indulgence in the community.

Few best practices of the institution are: Designed our own Course file method for Teaching Learning Process system. Special importance is provided to online classes effectively through various online teaching tools during these pandemic situations with a strong academic system.

The Institutional distinctiveness aims at vitalizing the distributive leaderships with a focus on futuristic demands, vitalizing teaching learning process, Human Values, and functional relationship with all the stakeholders for the holistic development of the individuals and society.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	CARE COLLEGE OF ENGINEERING
Address	CARE COLLEGE OF ENGINEERING, 27, THAYANUR, TRICHY
City	Tiruchirappalli
State	Tamil Nadu
Pin	620009
Website	https://care.ac.in/engineering

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	SHANTHI S	0431-2690505	9962733133	0431-2690442	principal.coe@care.ac.in
Professor	PASUMPON PANDIAN A	0431-2690502	9994023736	0431-2690442	dean.rd@care.ac.in

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	29-06-2009

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	29-04-2016	View Document
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	10-07-2021	12	EOA Order Attached as a proof

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

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

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Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	CARE COLLEGE OF ENGINEERING, 27, THAYANUR, TRICHY	Rural	13.43	54349

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	BTech, Artificial Intelligence and Data Science	48	Higher Secondary Certificate or Diploma	English	60	57
UG	BE,Computer Science And Engineering	48	Higher Secondary Certificate or Diploma	English	60	60
UG	BE,Electronics And Communication Engineering	48	Higher Secondary Certificate or Diploma	English	30	25
UG	BE,Civil Engineering	48	Higher Secondary Certificate or Diploma	English	30	4
UG	BE,Mechanical Engineering	48	Higher Secondary Certificate or diploma	English	60	14
PG	ME,Computer Science And Engineering	24	B.E. or B.Tech	English	6	2
PG	ME,Civil Engineering	24	B.E. or B.Tech	English	6	2
PG	ME,Mechanical Engineering	24	B.E. or B.Tech	English	6	6
PG	MBA,Master Of Business Administration	24	B.E. or B.Tech	English	60	41

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0				0				0
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit				0				0				0
Sanctioned by the Management/Society or Other Authorized Bodies				5				11				56
Recruited	3	1	0	4	3	2	0	5	32	24	0	56
Yet to Recruit				1				6				0

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				18
Recruited	13	5	0	18
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				18
Recruited	16	2	0	18
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/ LLD/DM/M CH	0	0	0	0	0	0	0	0	0	0
Ph.D.	3	1	0	3	2	0	3	3	0	15
M.Phil.	0	0	0	0	0	0	4	4	0	8
PG	0	0	0	0	0	0	25	17	0	42
UG	0	0	0	0	0	0	0	0	0	0

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

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

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

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	106	7	0	0	113
	Female	49	0	0	0	49
	Others	0	0	0	0	0
PG	Male	35	0	0	0	35
	Female	16	0	0	0	16
	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	21	7	12	5
	Female	10	3	1	3
	Others	0	0	0	0
ST	Male	2	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	102	37	54	82
	Female	33	28	26	22
	Others	0	0	0	0
General	Male	3	4	2	7
	Female	2	3	1	3
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		173	82	96	122

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	• Preparing the Roadmap for curricular reforms in a phased manner, focusing on multidisciplinary/interdisciplinary and holistic education • Selecting Open/ General Elective courses of multidisciplinary nature. • Highlighting the importance of Environment by activities for the course Environmental science and Engineering. • Initiating the process to introduce formative, comprehensive and continuous evaluation • Establishment of IPR Cell and Research Promotion Cell to promote the culture of quality multidisciplinary/interdisciplinary research in the college. • Promoting the culture of cross-disciplinary and interdisciplinary research by allowing the students to do projects and competitions like SIH, Toykathon, Learnathon, Hackathon in the subjects other than their core subjects by having the team members from all departments. • Integrating Co-curricular and extra-curricular activities with curriculum in all disciplines and programmes • Introduction of new programmes of contemporary relevance (Emerging Technologies) like Artificial Intelligence and Data Science in UG, AI and Machine Learning in PG.
2. Academic bank of credits (ABC):	• We are Adopting UGC (Establishment and Operationalization of Academic Bank of Credits (ABC) Scheme in Higher Education) Regulations, 2021 after notification; NAD registration is done for all the students admitted after 2020. • Implementing the UGC Regulations on Academic Bank of Credits in a phased manner
3. Skill development:	• Introduction of value added courses to improve Innovative skills • Revamping current mode teaching learning process from faculty centered to student centered. • Restructuring the implementation of skill based learning in the academic programme in a phased manner. • Signing of MoU with Industries in and around Trichy for Student Exchange, Faculty Exchange, Projects, curriculum enrichment and Internship for students. • Encouraging Students and faculty members to appear and get the certification through online courses like NPTEL (through Swayam), CourseEra, Udacity, Udemy etc.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	• Pedagogy to make education more experiential and holistic; • Providing Space for creative and critical thinking for holistic growth; • Insisting the

	importance of sports in education. • Conducting more events for Character building and well-rounded individuals; • Special sessions for Sensitizing teachers and parents to promote holistic development of the student; • Mapping of students' skills for better employment. • Establishment of various clubs under Life@CARE for encouraging the students in skill up-gradation and upgrade their Character and Personality; • Imparting knowledge of India and its values/ ethos/ art/ traditions, and more to students through various club activities under Life@CARE. • Establishment of Language club in the college and organizing various events across the year to promote the integration of regional language. • Discussing and handling the technical topics online mode along with the regular academic classes in rural language so as to develop the students from Tamil medium background. • Celebrating festivals like Pongal which depicts the rich culture and values of the regional language.
5. Focus on Outcome based education (OBE):	• Introduction of Outcome based education in education, curriculum, Teaching Learning Process, and Assessment methods in our college in a phased manner. • Affiliated university designed the curriculum based on the outcome Based Education. • Our College adopted the Outcome based Teaching Learning Process by preparing the Course file with lesion/session plan effectively. • Outcome based Assessment methods are adopted to evaluate students using Programme Educational Objectives (PEO), Programme Outcomes (PO), Programme Specific Outcomes (PSO) and Course Outcomes (CO)
6. Distance education/online education:	• Adequate usage of Digital infrastructure for handling academic and training sessions • Development of online teaching platforms and tools by effectively using Google classrooms for every single course and creating digital contents of course material for future use by the students. • Using Virtual lab created by MHRD to promote digital education and creating digital repositories in Google classroom. • Training the teachers to become high quality online content creators, designing and implementing of online assessments, establishing standards for content • Usage of ICT tools whenever required by the teacher for delivering the course through online.

Extended Profile

1 Program

1.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
335	325	323	324	327

File Description	Document
Institutional data prescribed format	View Document

1.2

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
8	8	7	7	9

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
332	334	422	575	723

File Description	Document
Institutional data in prescribed format	View Document

2.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
215	226	315	315	327

File Description	Document
Institutional data in prescribed format	View Document

2.3

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

2020-21	2019-20	2018-19	2017-18	2016-17
102	137	169	224	272

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
66	66	66	91	90

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
53	55	61	90	90

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 23

4.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
166.12	316.01	308.28	416.71	422.16

4.3

Number of Computers

Response: 390

4. Quality Indicator Framework(QIF)

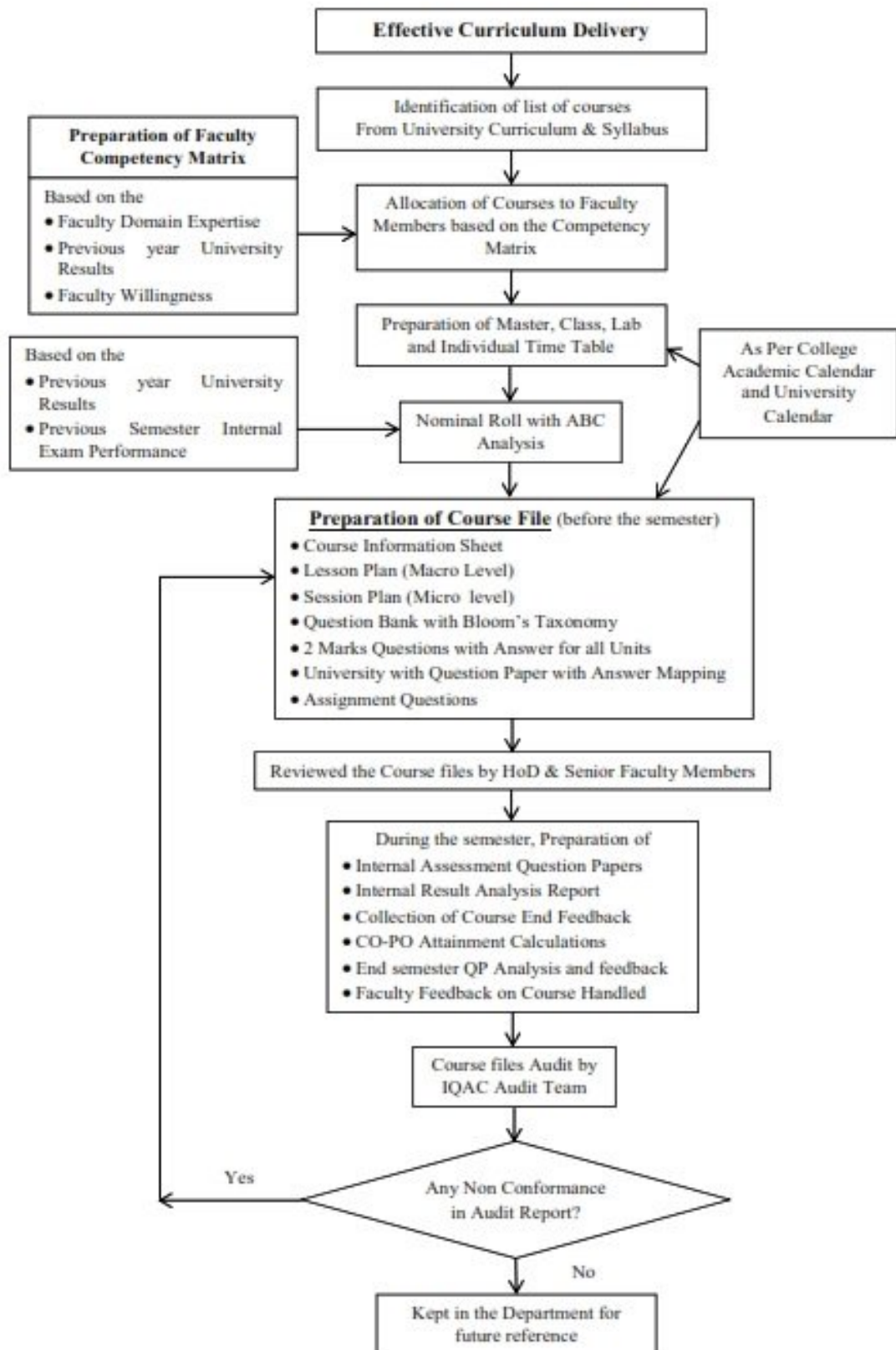## Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

CARE COE follows a well-defined procedure for effective curriculum delivery.

Each semester

1. List of courses are identified from the curriculum.
2. The faculty domain expertise is maintained.
3. The courses' previous year results are analyzed.
4. Faculty willingness is collected.
5. Based on factors 2, 3 and 4, competency matrix is prepared and the Courses are allotted to faculty members as per the competency matrix.
6. For each Course, Course Information Sheet is prepared. (Course Information Sheet includes the syllabus, text / Reference books, Course Prerequisite, Course Objectives, Course Outcomes(CO), CO mapping with Programme Outcomes(PO), Gaps in syllabus, Content beyond syllabus to meet Industry requirements, Additional Web resources references…)
7. Each course is divided into 45/60 sessions based on the syllabus, lesson and session plan is prepared by the faculty. ***Every session is planned with a Recap of Previous Topics/Classes handled – 2 mins, Brief Explanation of Topics to be handled today – 1 min, Explain the concept with analogy – 3 mins, Pre-requisites of the topic – 10 mins, Explanation about the topics/concepts step by step – 20 mins, Explain with examples – 7 mins, Plan for Q&A session / Activities – 3 mins, Summarization – 2 mins, Give the topics to be read by students for next class – 2 mins.***
8. Then the Session plan is presented by each faculty to a team of experts which includes HoD and Senior faculty. Based on the feedback obtained, the session plan is revised and made it ready for handling the course/subject.
9. The Session Plan, Question bank, 2 marks Questions with answers, Assignment questions, Internal Test question papers which are all the part of the course file is prepared during the semester.
10. And these course files are audited by IQAC team. The audit report is sent to faculty and respective HoD for necessary corrective actions to ensure the quality.
11. Effectiveness of delivery is ascertained with CCMs and random feedback from students.

Effective Curriculum Delivery

Identification of list of courses
From University Curriculum & Syllabus

**Preparation of Faculty
Competency Matrix**

Based on the
- Faculty Domain Expertise
- Previous year University Results
- Faculty Willingness

Allocation of Courses to Faculty Members based on the Competency Matrix

Preparation of Master, Class, Lab and Individual Time Table

As Per College Academic Calendar and University Calendar

Based on the
- Previous year University Results
- Previous Semester Internal Exam Performance

Nominal Roll with ABC Analysis

Preparation of Course File (before the semester)
- Course Information Sheet
- Lesson Plan (Macro Level)
- Session Plan (Micro level)
- Question Bank with Bloom's Taxonomy
- 2 Marks Questions with Answer for all Units
- University with Question Paper with Answer Mapping
- Assignment Questions

Reviewed the Course files by HoD & Senior Faculty Members

During the semester, Preparation of
- Internal Assessment Question Papers
- Internal Result Analysis Report
- Collection of Course End Feedback
- CO-PO Attainment Calculations
- End semester QP Analysis and feedback
- Faculty Feedback on Course Handled

Course files Audit by IQAC Audit Team

Any Non Conformance in Audit Report?

Yes

No

Kept in the Department for future reference

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

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

Response:

As an affiliated institution, we need to follow the guidelines given by the university. As the Anna University releases the semester schedule, the academic calendar is prepared for the semester. The process is as follows.

1. The government holidays and National Holidays in that duration are identified.
2. 12 teaching days is allocated for each unit. After the completion of every unit, the internal assessment tests are planned as follows.

- Unit Test 1 – Unit 1
- Cycle Test 1 – Unit1 (25%), Unit 2 (75%)
    - Internal Assessment – I : Unit Test 1 (35%), Cycle Test 1(65%)
- Unit Test 2 – Unit 3
- Cycle Test 2 – Unit 3 (35%), Unit 4 (65%)
    - Internal Assessment – II : Unit Test 2 (35%), Cycle Test 2 (65%)
- Model Exam – All 5 Units
- Model Practical exam is conducted for Laboratory Courses

1. The Dates for all the activities are specified in the academic calendar

- Syllabus Completion Date for each unit
- IQAC Audit Dates
- Internal Assessment Dates
- Internal Assessment Web Portal Entry Dates
- Class Committee Meetings
- Association Inaugural Function for every department
-
- National Celebrations – Independence Day, Republic Day
- College Level - Sports Day, Annual Day, Graduation Day…

Once the rough draft of the academic calendar is prepared, it is circulated to HoDs, Exam cell, Dean and CEO for any corrections or suggestions. After incorporating the suggestions, the academic calendar is sent to all faculty, Admin office and students for necessary follow ups.

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

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

      1.**Academic council/BoS of Affiliating university**
      2.**Setting of question papers for UG/PG programs**
      3.**Design and Development of Curriculum for Add on/ certificate/ Diploma Courses**
      4.**Assessment /evaluation process of the affiliating University**

Response: B. Any 3 of the above

File Description	Document
Institutional data in prescribed format	[View Document](#)
Details of participation of teachers in various bodies/activities provided as a response to the metric	[View Document](#)
Any additional information	[View Document](#)
Link for Additional information	[View Document](#)

1.2 Academic Flexibility

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

Response: 100

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

Response: 8

File Description	Document
Minutes of relevant Academic Council/ BOS meetings	[View Document](#)
Institutional data in prescribed format	[View Document](#)
Any additional information	[View Document](#)
Link for Additional information	[View Document](#)

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1.2.2 Number of Add on /Certificate programs offered during the last five years

Response: 28

1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.

2020-21	2019-20	2018-19	2017-18	2016-17
11	10	3	2	2

File Description	Document
List of Add on /Certificate programs	[View Document](#)
Brochure or any other document relating to Add on /Certificate programs	[View Document](#)
Any additional information	[View Document](#)
Link for Additional information	[View Document](#)

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

Response: 74.03

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

2020-21	2019-20	2018-19	2017-18	2016-17
259	298	317	400	421

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

1.3 Curriculum Enrichment

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

Response:

Equal opportunities are by the Institution given to both the genders in terms of admissions, employment, co-curricular and extra-curricular activities etc., so gender issues do not arise. The Institute has constituted various committees including Sexual Harassment Redressal committee, Women Empowerment Cell, Women Redressal Cell and grievance Redressal committee. These committees are formed to promote gender equity and also deal with related issues of safety and security of girl students, ladies staff and faculty members and employees.

Environment and Sustainability:

In order to integrate the cross cutting issues relevant to environment and sustainability, Anna University has included different types of courses in the curriculum to develop awareness among students about environment and Sustainability. All programs have a compulsory course on Environmental Science and Engineering in First year/Second year curriculum.

In this subject, students study basic components of environment and its application to tackle issues such as pollution control, green gases etc. Students opt as electives from Environment and sustainability, Disaster Management, Air Pollution and Control Engineering, Transport and Environment, Environmental and Social Impact Assessment.

Many Projects are undertaken by final year students relating to environmental issues like climate change, water pollution, sewage treatment, air pollution, rain water harvesting, runoff modeling, flood prediction, green concrete etc. Sustainability issues such as use of natural resources in building construction, materials, energy conservation etc. are also dealt with projects.

Human values and professional ethics:

In order to integrate the cross cutting issues relevant to human values and professional ethics, Anna University has included different types of courses in the curriculum. This creates awareness on business ethics and human values among students.

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

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 72.52

1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
243	241	239	229	233

File Description	Document
Programme / Curriculum/ Syllabus of the courses	[View Document]()
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	[View Document]()
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	[View Document]()
Any additional information	[View Document]()

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

Response: 84.04

1.3.3.1 **Number of students undertaking project work/field work / internships**

Response: 279

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	[View Document]()
Any additional information	[View Document]()

1.4 Feedback System

1.4.1 *Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni*

Response: A. All of the above

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

1.4.2 Feedback process of the Institution may be classified as follows: Options:

1. Feedback collected, analysed and action taken and feedback available on website
2. Feedback collected, analysed and action has been taken
3. Feedback collected and analysed
4. Feedback collected
5. Feedback not collected

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

File Description	Document
Upload 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 Enrolment percentage (Average of last five years)

Response: 31.49

2.1.1.1 **Number of students admitted year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
173	82	96	122	138

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
312	327	456	456	474

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

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 42.92

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

2020-21	2019-20	2018-19	2017-18	2016-17
164	75	91	112	133

File Description	Document
Average percentage of seats filled against seats reserved	[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 and organises special Programmes for advanced learners and slow learners

Response:

At CARE, we believe in outcome-based learning processes, where we identify students as slow learners and advanced learners based on the prerequisite tests, class interaction, internal assessment performances and University results.

Strategies to identify Advanced and Slow Learners:
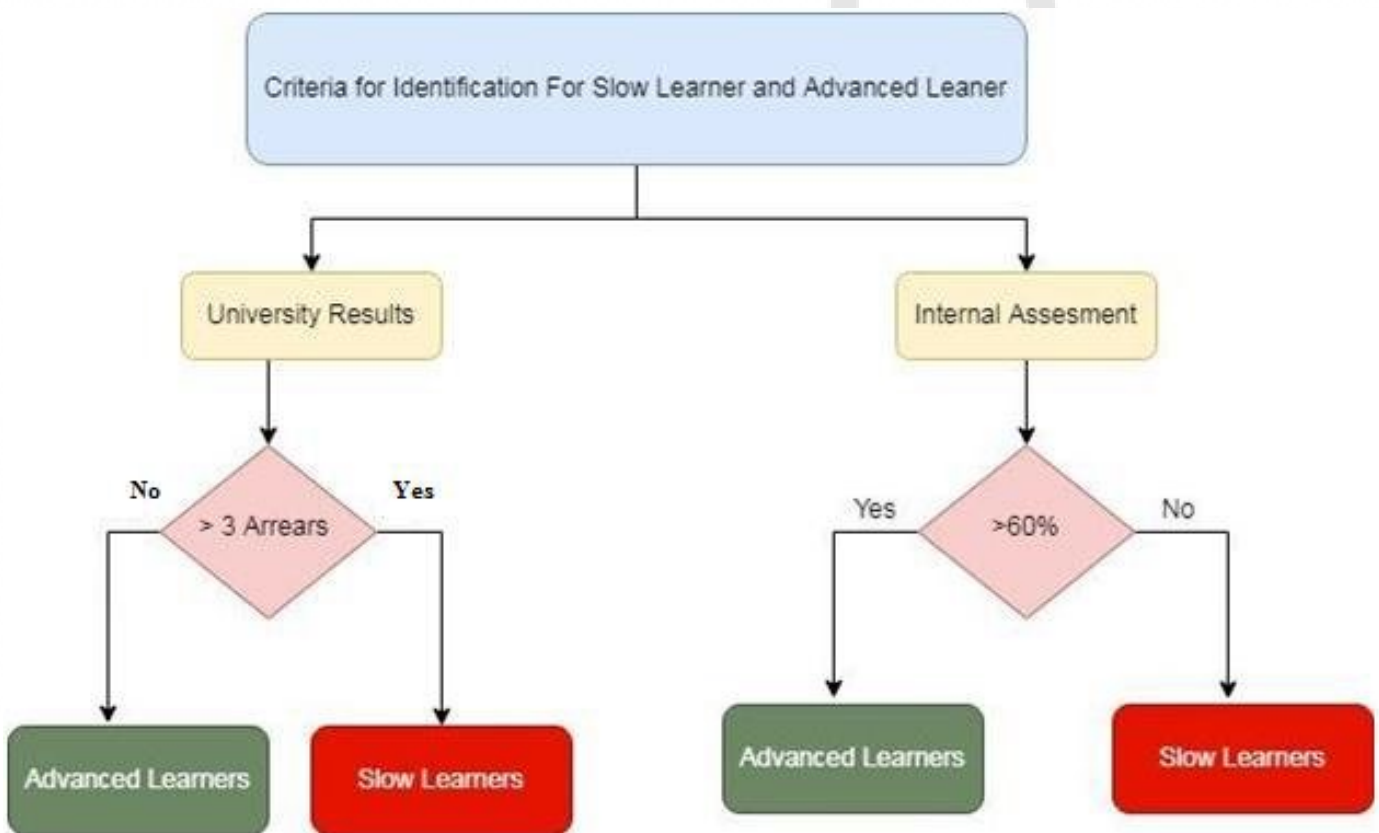
Actions Taken for Slow Learners:

- We at the institute, give emphasis on improving the performance of slow learners by providing remedial classes which are conducted outside regular classes.
- Parents are communicated before commencement of first internal exams to understand the societal background of the students and to provide support accordingly.
- After seeing the performance in the first internal assessment, remedial action is proposed by individual course handling faculty to improve the students' performance in the university exams.
- We Specifically, for difficult courses like Mathematics, Engineering Drawing and Engineering Mechanics, Signals and Systems, Digital Signal Processing, Digital Communication, Theory of Computation, Compiler Design and Analysis of Algorithms, Structural Analysis II, Design of Steel Structures etc., special coaching classes are taken for students who have failed in the internal

assessment where the faculty spares time to sit with those students individually to cope up with the subject.

- Through a mentor-mentee system also all kinds of support are provided to the slow learners for passing the university exams.
- The mentor also identifies other skills and strengths and encourages them to mold them which helps build self-confidence resulting in improvement in academic performance also.
- The mentor takes extra effort to understand the socio-economic backgrounds also which is sometimes a reason for poor performance. All necessary emotional and professional counseling is also provided along with their parents.
- CARE ensures that a slow learner clears all his courses within stipulated four years of Engineering and also provides extra attention to build additional skills which makes them employable.

To encourage Advanced Learners

- Advanced learners are given opportunities to be part of innovative projects and other technical initiatives of the concerned department/ college.
- Advanced Learners are appointed as Class Representatives who are part of the students' council so as to give a chance to develop their communication, leadership & team building skills.
- They are also given an opportunity to be office bearers of department association, other clubs functioning in the college, and various professional bodies activities at University and National Levels.
- This initiative teaches them to strike a perfect balance between academics and extra & co-curricular activities.
- They are considered as elite students and they are motivated to participate in Hackathons, Paper Presentations, Project Competitions, Coding Practices, Workshops, Seminars, Design Contests, NPTEL, CoursEra and other MOOC Courses.
- They also help slow learners through peer tutoring and they are offered with cash incentives.
- They are also part of the institute's social responsibility where they support the faculty members by teaching and providing skills to the underprivileged students.
- Class toppers are honored during the Annual day and graduation ceremony.

In addition for all first year and lateral entry students, Bridge courses are conducted.

File Description	Document
Upload any additional information	View Document
Past link for additional Information	View Document

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

Response: 5.03

File Description	Document
Any additional information	View Document

2.3 Teaching- Learning Process

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

Response:

The teaching-learning process is one of the major objectives and strengths of our college. Experiential learning, participative learning and problem solving methodologies are well adapted to ensure the development of students and facilitate life-long learning and knowledge management.

Experiential Learning

CARE imparts the following experiential learning practices to enhance creativity and cognitive levels of the students

- Laboratory Sessions: Experiments are conducted along with content beyond syllabus.
- Laboratory courses including virtual labs and are made compulsory.
- Summer Internship / In-plant Training / Industrial Visits: Students get hands-on training.
- Add-on Courses / Certification Courses (Value Added Courses) in collaboration with MoU signed Industries.
- Project development by students where they showcase their working model in the technical fest.
- Participation in national level events such as Hackathons.
- Guest Lectures by experts, NPTEL, COURSERA, MOOC and other spoken tutorials are arranged for students to enhance their knowledge.

Participative Learning:

- We always strive to enhance the learning experience of learners in class through various interactive and participatory approaches. Approaches used are,
- **Collaborative learning**: Students learn and discuss in groups. Groups are formed with the combination of bright(A), average(B) and weak(c) students. So that they can learn and motivate themselves.
- **Tutorial:** For Analytical courses, additional hours are allotted in the Time Table and additional faculty will be allotted to ensure the participation of students.
- **Project:** Elite students are allowed to carry out innovative projects and participated in project contests.
- **Peer Tutoring:** Recognizing the efficacy of peer learning, student groups are formed and transfer of knowledge through such student team members is encouraged and facilitated.
- **Evening Coaching:** Slow learners and other interested students have evening coaching classes either in online/physical mode.
- **Activity Based Learning :**
- Coding practices like CloudCoder, Hacker rank will be given for the students.
- Student chapters are formed with support from various professional bodies like IEEE, IGS and ISTE. Intercollegiate / National events are hosted by the students through student chapters. Participation by the students in similar events arranged in other colleges improves their interpersonal skills.

- **GATE Question solving:** Coaching is given to advanced learners.
- **Online learning** – MHRD Virtual Labs, NPTEL links and Google Classroom

- Learners are encouraged to use e-learning resources from animated online video links, NPTEL, Shodhganga, e-ShodhSindhu, Open access journals (DELNET), conference proceedings, online reference books, open source materials and video lectures for their knowledge enhancement.

Problem solving Methodologies:

Departments encourage students to acquire and develop problem-solving skills. For this, our college organizes expert lectures on various topics, motivates students to join MOOC courses, participate in various inter-college and intra-college technical events.

- Case Study Analysis
- Regular Assignments
- Mini Project
- Regular Technical Quiz
- Seminar presentations
- Participation in Inter college events

All academic activities are aimed at elevating the students' knowledge, skills and build confidence in them.

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

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

Information Communication and Technology (ICT)

In the current scenario online classes become inevitable. It becomes essential for the students to learn and master the latest technologies in order to be corporate ready. As a consequence, teachers are combining technology with traditional modes of instruction to engage students in long term learning. CARE College uses Information and Communication Technology (ICT) in education to support, enhance, and optimize the delivery of courses.

The following tools are used by the teachers as follows,

ICT supporting tools

- Smart Classroom with Projectors
- Desktop and Laptops - Arranged at Computer Lab and Faculty cabins all over the campus.
- Printers & Scanners- Installed at Labs, Library, Exam cell, Admin Office , HOD Cabins etc.,
- Seminar Rooms - Five seminar halls are equipped with all digital facilities and wifi enabled.
- Smart Boards
- Online Classes -through Zoom, Google Meet, Microsoft Teams, Google Classroom
- MOOC Platform - (NPTEL, Coursera, Skill Lync, etc)
- Digital Library (DELNET, KOHA, AUTOLIB, NDLI)

Use of ICT By Faculty

- **PowerPoint presentation**- Faculties are encouraged to use power-point presentations in their teaching by using LCD Projector. They are also equipped with digital libraries, online search engines and websites to prepare effective presentations.
- **Industry Connect**- Seminar and Conference halls are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students.
- **Online quiz**- Faculties prepare online quiz for students after the completion of each unit with the help of Google Forms and Android Apps.
- **Video Conferencing**- Students are counseled with the help of Zoom / Google meet applications.
- **Video lecture**- Recording of video lectures, guest lectures are made available to students for long term learning and future referencing.
- **Online competitions**- Various technical events and management events like paper presentation, connexions etc. are being organized with the help of various Information Communication Tools.
- - Faculty use various ICT tools for conducting workshops on latest methods such as google meet, zoom, Programming languages, online simulation tools like Octave, etc..

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

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

Response: 5.03

2.3.3.1 Number of mentors

Response: 66

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	
mentor/mentee ratio	
Circulars pertaining to assigning mentors to mentees	

2.4 Teacher Profile and Quality

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

Response: 110.77

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

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 14.55

2.4.2.1 **Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
18	12	10	6	5

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	
Any additional information	

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest

completed academic year in number of years)

Response: 3.45

2.4.3.1 **Total experience of full-time teachers**

Response: 227.8

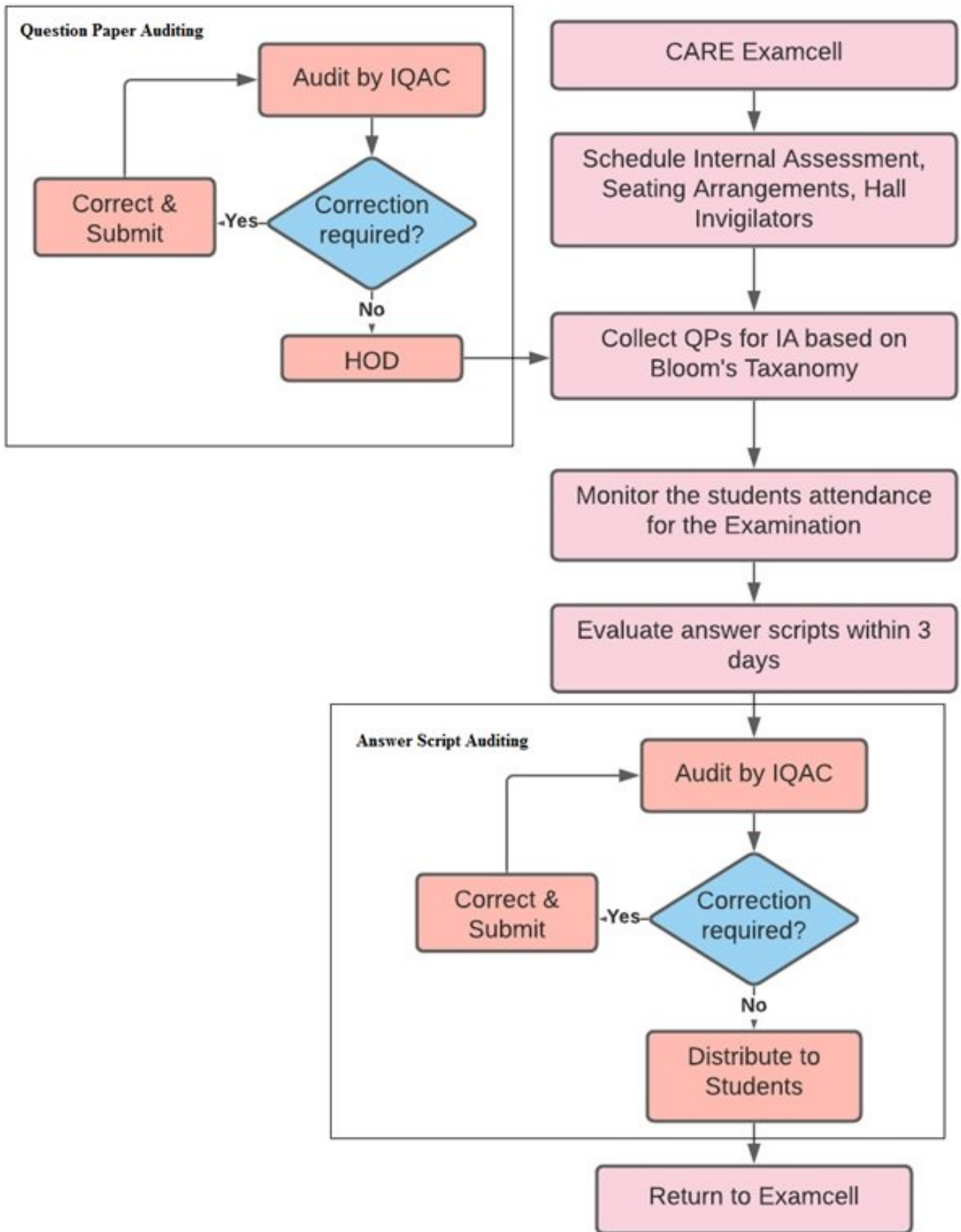| File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	<u>View Document</u>
Any additional information	<u>View Document</u>

2.5 Evaluation Process and Reforms

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode

Response:

Our College is affiliated to Anna University, Chennai and follows the regulations of the university. University guidelines are strictly adhered to evaluation process. Five internal tests (Unit Test 1, Cycle Test 1, Unit Test 2, Cycle Test 2 and Model) are conducted each course. The schedules of internal assessments are communicated to students and faculty in the beginning of the semester through academic calendar as per university instructions.

CARE has reformed the continuous internal evaluation system from faculty centric to student centric. CARE has the centralized exam cell for conducting the Continuous Internal Exam (CIE) as per academic calendar, reforms are as follows,

Question Paper Auditing

- Audit by IQAC
- Correct & Submit
- Correction required?
- Yes
- No
- HOD

CARE Examcell

Schedule Internal Assessment, Seating Arrangements, Hall Invigilators

Collect QPs for IA based on Bloom's Taxanomy

Monitor the students attendance for the Examination

Evaluate answer scripts within 3 days

Answer Script Auditing

- Audit by IQAC
- Correct & Submit
- Correction required?
- Yes
- No
- Distribute to Students

Return to Examcell

Theory Courses

- Schedule, Seating arrangements and hall invigilators listed for every test.
- Preparing the question Paper (QP) for the test in the given template along with Bloom's taxonomy levels.
- Scrutiny of QP is carried out by HoD/ Subject experts to ensure quality.
- Monitoring the attendance of the students.
- After completion of the internal tests, evaluates the answer scripts and distributes them to the students for clarifications. The faculty submits the scripts to the exam cell within three days.
- Marks scored are entered in the logbook and uploaded in the Google sheets. After the verification by the HoDs and the Principal, displayed on the notice board.
- Result review meetings are conducted with faculty, HoD and Principal for remedial actions for improvements.
- Upload of assessment marks in university web portal and subsequently communicated to parents.

Practical Courses

- Every practical experiment is evaluated based on the conduct of an experiment.
- For each laboratory session, the student is assessed through viva questions, observations.
- Based on the student performance in the model exam conducted, the internal marks for the laboratory courses are entered in the web portal of Anna University.

Seminar / Case study

- The Seminar / Case study are considered as 100% Internal.
- Every student will present a minimum of 2 seminars per semester before the evaluation committee.
- The three-member committee appointed by HOD will evaluate the seminar and marks are awarded.

Project Work

- A review schedule is prepared and displayed by the project coordinator and approved by HOD.
- The student's projects are selected in line with department mission, vision and Program outcomes.
- Unsolved corporate problems in databases like Vishwakarma/ Smart India Hackathon help the students and faculty to focus on socially relevant projects.
- Faculty members encourage the students to carry out in-house and industrial projects.
- Students select the project of his/her interest and perform literature survey, formulate the problem and implement it.
- Students are encouraged to publish their work in reputed journals/ conferences.
- The evaluation for the project course is assessed by conducting periodic project reviews. Three reviews carry 20 marks.
- The project report carry 30 marks shall be submitted as per the guidelines of regulation.
- Assessed marks awarded to every student within the project group. The viva- voce examination shall carry 50 marks.

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

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

Response:

As per Anna University (AU) requirements, a profile must be created for every student to maintain the database in University Web portal for further process. The grievances related to profile correction will be made as when required. Exam Cell steps in and helps resolve issues related to name, date of birth correction in Grade sheets and other documents. Any grievances, related to applying for photocopy of the valued answer script, "revaluation" and "review revaluation", is addressed by Exam Cell as and when required.

The database maintained as per University requirements is considered as the only relevant reference for evaluating whether a student meets the eligibility criteria set down by university and industrial experts. Three Internal Assessments Test marks from all the departments are entered in the University-Web portal as per the guidelines. Grievances related to University-Web portal in displaying the marks scored by the students are addressed immediately through Portal.

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

2.6 Student Performance and Learning Outcomes

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

Response:

The learning outcomes of the Programs and Courses are clearly stated in the curriculum and syllabus of all the courses. The following mechanism is followed to communicate the learning outcomes to the faculty members and students.

.

- A successful outcome-based curriculum involves aligning the individual Course Outcome (CO) with the intended Program Outcomes (POs) and with Program Specific Outcomes (PSOs). The CO-PO mapping paves the way to examine the extent to which the outcomes are being addressed and assessed in the curriculum.
- The department has defined its own PEOs and PSOs in alignment with Program Outcomes described by University curriculum and feedback from Industry experts.

- Copies of the Syllabi with Five or six Course outcomes of each course are formed by the department faculty mapping them with PSO and PO and are available in the department for ready reference for students and faculty.
- The students are also made aware of the same through the faculty in the class using Course Pedagogy Presentation and also Outcomes are specified in the Internal Assessment question papers, Assignment Question papers and Tutorial Problem worksheets.
- Learning Outcomes of the Programs and Courses are discussed with students at the end of each topic of the study by the faculty leading to which technical applications.
- The learning outcomes are stated using Bloom's Taxonomy and expressed in the lesson plan that clearly describe the knowledge skills and competency expected from the students to acquire as a result of completing their programme of study.
- The PO, PSO and CO's are incorporated in the curriculum for display on college website which can be accessed by all the stakeholders namely Faculty, Students, Industry and Alumni.
- Various Awareness programs have been conducted by the institution in the last five years for the teachers to make them understand the process of outcome based education.
- The importance of the learning outcomes has been communicated to the faculty members in every IQAC Meeting, Department and College level Meetings.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	[View Document](#)
Upload any additional information	[View Document](#)
Past link for Additional information	[View Document](#)

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

Response:

List of Assessment Process

To understand whether Course outcome is attained or not, some evaluation strategy must be followed. The evaluation is done in two ways.

- Direct Method
- Indirect Method

Direct Method:

Direct evaluation is done based on the student's performance in Internal Tests, Class assignments and activities like mini projects, seminar, and quiz, etc. This method is used to capture what a student has learned, or the quality of the learning, and analyze the performance.

- For all the internal tests, the respective faculty needs to prepare the question paper in order to cover

as much as possible the course outcomes identified for the respective courses.

- The marks obtained in internal tests & University exams by the students are grouped into various bands which is ensured by the HOD.
- Goal is set for the program in terms of mark range and the percentage.
- Scores are attributed to different levels of overall performance as 1 or 2 or 3.
- The percentage of students obtaining the mark set as the CO attainment level.
- Weightage is given for internal exam, University performance and for the course end survey, considering all the three factors, the final score is arrived at for each course.
- The average aggregate of scores of all the subjects is considered as attainment of COs of all courses of the program.

Indirect Method

Indirect method is a formative assessment where the feedback is collected from the students who completed the course. The feedback is based on some questions where the students can express their thoughts and skills they possess based on the subject.

After collecting details about evaluation based on direct and indirect method, 70% weightage is given for results from direct assessment and 30% weightage is given for indirect assessment. The attainment of each CO is measured. If CO attainment reaches the limit, then the limit will be increased for the upcoming years. Otherwise corrective measures will be taken.

- This is done by conducting a course end survey for every course conducted under our program and for every individual student pursuing the program.
- All the students are administered a questionnaire.
- Questions are mapped to COs
- The ratings given by them are aggregated and overall % of rating is computed.

Similarly for Programme Attainment also calculated. The information about sample PO attainment caluculation has attached as an evidences.

File Description	Document
Upload any additional information	[View Document]
Paste link for Additional information	[View Document]

2.6.3 Average pass percentage of Students during last five years

Response: 60.51

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

2020-21	2019-20	2018-19	2017-18	2016-17
97	43	81	133	187

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

2020-21	2019-20	2018-19	2017-18	2016-17
102	137	169	224	272

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	[View Document](#)
Upload any additional information	[View Document](#)
Paste link for the annual report	[View Document](#)

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response: 3.82

File Description	Document
Upload database of all currently enrolled students (Data Template)	[View Document](#)
Upload any additional information	[View Document](#)

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

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

Response: 17.5

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	17.5

File Description	Document
List of endowments / projects with details of grants	[View Document](#)
e-copies of the grant award letters for sponsored research projects / endowments	[View Document](#)
Any additional information	[View Document](#)

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

Response: 7.58

3.1.2.1 **Number of teachers recognized as research guides**

Response: 5

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

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 4

3.1.3.1 **Number of departments having Research projects funded by government and non-government agencies during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	1

3.1.3.2 **Number of departments offering academic programes**

2020-21	2019-20	2018-19	2017-18	2016-17
5	5	5	5	5

File Description	Document
Supporting document from Funding Agency	[View Document](#)
List of research projects and funding details	[View Document](#)
Any additional information	[View Document](#)
Paste link to funding agency website	[View Document](#)

3.2 Innovation Ecosystem

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

Response:

INNOVATIONS

CARE College of Engineering believes in partnerships between industry, government, and higher education to yield countless innovations. To facilitate technology-based entrepreneurship, CARE Incubation/ Innovation centre was launched in 2015 to inspire and encourage students, Alumni and faculty to be more inventive for promoting entrepreneurship. Mr.S.Sriram Sundar, AP, ECE coordinates the Innovation Centre.

The following projects were developed in CARE Innovation Centre.

- **E-Waste Collection** organized every year through ECO CARE CLUB gives scope to collecting, separating and utilizing electronic wastes to design their prototypes.
- **Pomegranate Deseeder** was designed by K.Jegatheeswaran, A.Maria Jack, M.Mohammed Irfan and S.Saravanan of Mechanical during the AY 2019-2020.
- **Hand Gloves for Paralyzed people** was designed by X.Veronica Shiny, ECE during the AY 2018-2019.
- **Mini CNC Machine**, was designed as a prototype by the fruitful efforts of ECE Alumnus, T.

Pradeepa rajan during the AY 2017-2018.

- **Water Can Lifting Machine** and **Multi-Purpose Shoe Rack** was designed by K.Srinivasan,S.Shyam Sundar , M.Vignesh and R.Suresh Raja of Mechanical during the AY 2017-2018.
- **Mechanical Mopper** was designed by A.Devakumar, S.Gowri Shankar, S.Hari Vijay and B.Imran of Mechanical during the AY 2016-17.

INCUBATORS

Vision

To provide assistance and training to students, alumni and innovators who want to turn their social ideas into startups for society.

Mission

- To stimulate students' thoughts and increase their critical thinking
- Build awareness on entrepreneurship among the stakeholders.
- To enhance domain knowledge in order to build creative products or services.
- To create enough physical infrastructure facilities with hands-on assistance for prototyping and establishing start-ups.

Incubators are as follows,

- **Senthuraa Technologies** was founded by Civil Alumnus, Mr. K.S.Veera Bal Vannan and **Enthiraa** was founded **by** ECE Alumnus, Mr.T.Pradeeparajan during 2019– 2020.
- **Fiind Inc is a** Computer Software company headquartered at Redmond, WA incubated at CARE College of Engineering during 2017–2019.
- **WE DO VEEDU** was a company for Interior design founded by 5 Civil Engineering students during the AY 2018- 2019.

HACKATHON INITIATIVES

As part of the daily activities, they spend time working on real world projects as for Hackathons, participated are as follows,

- **Smart India Hackathon (SIH) 2020 Grand Finale** held on 1 to 3 August 2020.
- **SIH-2019** finals that was held in the Indian Institute of Science Education and Research, Pune.

- **Chhatra Vishwakarma Awards -2017** held on 19th Sep 2017.
- **Hackathon 2017 Grand Finale** held at Sri Krishna College of Engineering and Technology, Coimbatore from 01 and 02 April 2017.
- **Tall Building (E-Tabs) and Bridge Design at CEA test**, IIT, Bombay and Madras conducted on 10th and 11th March 2017 organized by Robokart in association with innovation cell respectively.

AWARDS RECEIVED

- N.Sriram and T.Jayanth of Civil Engg. participated in the **Dr.Kalam Young Achiever Award**

2017 on 26th September 2017.

START-UP TRICHY

"Start-UpTrichy " is an initiative to develop the Entrepreneurial Ecosystem in Trichy. In order to build a platform for Entrepreneurs in this region to come together and share the best practices, CARE conducts a monthly event called Start-Up Trichy. Our College has organized 31 editions of Start-Up Trichy events from 2015 till now.

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

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

Response: 15

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

2020-21	2019-20	2018-19	2017-18	2016-17
3	4	3	2	3

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

3.3 Research Publications and Awards

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

Response: 0

3.3.1.1 **How many Ph.Ds registered per eligible teacher within last five years**

3.3.1.2 **Number of teachers recognized as guides during the last five years**

Response: 6

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	
Any additional information	
URL to the research page on HEI website	

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

Response: 0.47

3.3.2.1 **Number of research papers in the Journals notified on UGC website during the last five years.**

2020-21	2019-20	2018-19	2017-18	2016-17
7	7	17	5	0

File Description	Document
List of research papers by title, author, department, name and year of publication	
Any additional information	

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

Response: 0.13

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

2020-21	2019-20	2018-19	2017-18	2016-17
3	2	5	0	0

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

3.4 Extension Activities

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

Response:

Extension Activities

 CARE strongly believes in the need for holistic developments of students and accordingly the Institution is putting forth consistent efforts in directing the student's energy towards the real-life issues and problems that need to be addressed in the society.

The National Service Scheme (NSS) unit of our college has one hundred student volunteers. NSS conducts Personality / Character Development Programmes. Additionally, activities like General Medical check-up Camps, Blood Donation Camps, Tree plantation etc. are periodically conducted throughout the year.

YOUTH RED CROSS (YRC) This Unit of CARE is actively involved in campus cleaning programmes, awareness programmes on AIDS, blood donation and organ donation etc.

RED RIBBON CLUB (RRC) is another active unit of the institution which conducts blood donation camps in association with several blood banks. Free health check-up camps are also conducted for students.

WOMEN EMPOWERMENT CELL aims at empowering girl students and women faculty through various initiatives.

LIFE @ CARE

LIFE, truly is a beautiful and precious thing @ CARE. That's all because of the various Clubs and their activities which keep the students active and happy.

Campus Life rolls with 6 various clubs

Phoenix : A Cultural Event is conducted every year by 5 clubs except Science Club.

Literary Club

Literary Club of CARE is a driving force to many aspiring students who want to excel as perfect leaders in the highly competitive professional scenario. This forum helps students to develop their language skills. It

gives myriad opportunities for the students to express their talents and hence their confidence is enhanced.

Dramatic Club

Dramatic Club is a channel for energetic actors and dancers to attain stardom**.** Needless to say, it creates a wonderful platform for exhibiting their hidden talents. This club was created to educate students about our own culture and the cultures of various other countries through dance, music and drama.

Music Club

It's really an exhilarating experience to be a part and parcel of Music Club because it rejuvenates your body and soul as well. Even hush-hush singers come out of their personal space to feel the pleasure of singing on stage.

Eco-Care Club

Eco-Care Club creates a pollution-free environment inside and outside the college premises. It shows the way to keep the earth a greener and better place to live.

Photography Club

A deep passion for photography is essential for success as a professional photographer. Photography Club paves the way for such zealous photographers to succeed in life and work wonders.

Science Club

The Purpose of Science Club is to experience the sciences above and beyond the classroom.

The Institution is the one among those identified as a potential centre for conducting competitive recruitment examinations like NEET, TNPSC etc.

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

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

Response: 1

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	1

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

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 5

3.4.3.1 **Number of extension and outreached Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
4	1	0	0	0

File Description	Document
Reports of the event organized	[View Document](#)
Number of extension and outreach Programmes 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 at 3.4.3. above during last five years

Response: 3.17

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

2020-21	2019-20	2018-19	2017-18	2016-17
3	50	0	0	0

File Description	Document
Report of the event	
Average percentage of students participating in extension activities with Govt or NGO etc	
Any additional information	

3.5 Collaboration

3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

Response: 126

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

2020-21	2019-20	2018-19	2017-18	2016-17
34	34	22	23	13

File Description	Document
e-copies of related Document	
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	
Any additional information	

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

Response: 7

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**

20-07-2022 09:21:01

2020-21	2019-20	2018-19	2017-18	2016-17
4	3	0	0	0

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

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

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

Response:

CLASSROOMS

Our institution comprises of a total of 1755 sq.m classroom area and each classroom with capacity to accommodate 60 students. The two lateral sides of the classrooms are fully open to provide perfect aeration, well-ignited environment and spacious feel for the students.

The classrooms are provided with ample provisions for charging the laptops and connecting projectors. Each department is equipped with separate smart equipment like projectors, Computer Systems etc. to provide an immersive learning experience to the students.

- 22 Classrooms occupies the total area of 1755sq.m with ICT / LAN / Wi-Fi facilities
- 7 Tutorial Hall covers the total area of 315 sq.m.
- 2 Seminar Hall occupies the total area of 396 sq.m. equipped with ICT / LAN / Wi-Fi facilities
- 4 Faculty, HOD Room and department office spread over the area of 666 sq.m.

LABORATORIES

As per the requirement of the Anna University Syllabus, individual labs are established for practical subject and a total of 20 laboratories are in our college. These include Physics lab, Chemistry Lab, English Lab, Mechanical Labs, Electronics and communication lab, Civil Labs, Computer Labs and Library Journal Research Labs. Each lab is equipped with first class equipment in perfect working condition.

The laboratories are equipped in such a manner to encourage the research and development among the students and increase their effort to become an entrepreneur by inventing their own product out of the knowledge.

COMPUTING EQUIPMENTS

The college is equipped with 7 computer labs for all the departments and library with 30 desktop computers.

Based on the department, the respective software like Anaconda, AutoCAD, SOLIDWORKS, STAAD PRO, ANSYS, Language communication Apps, Journal apps etc. are installed in the system.

All the students are provided with individual login credentials to use the system in the best optimized way as per their requirement.

In addition to the computers for students, the faculty rooms are also equipped with ample number of computers to facilitate the faculty members to access the required web and mail applications and carry out

their course material preparation.

All the systems are regularly being monitored and maintained by the IT support to ensure the system condition stays intact and updated.

- Admin space with total area of 350 sq.m
- Library with total area of 650 sq.m
- Circulation Area with total area of 5359.5 sq.m

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

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

Response:

The institution has a state of the art open air auditorium to encourage the students in wide range of activities. The scenic water body and the surround gallery provides an apt environment for the students to carry out various cultural activities. Also, Outdoor and indoor courts are developed and established to encourage the students to enhance their sports skills.

CULTURAL ACTIVITIES

As a part of the regular schedule for the students at our college, we encourage lot of cultural activities on regular basis and the students themselves organise the events as per the guidelines provided by the staff members. we have 6 activity clubs namely

- CARE Photography Club
- CARE Dramatic Club
- CARE Musiq Club
- CARE English Club
- CARE Tamil Mandram
- CARE Eco-Care Club

The above mentioned six clubs, each have a separate student coordinator, staff coordinator and all the students are categorised based on their interest. Audio video aids and Makeup Room / changing Room are provided for the cultural activity.

YOGA ACTIVITIES:

The world has recognised Yoga as an effective way to stress out the work pressure and CARE college also agrees the same and organised regular yoga camps for all the staff members.

The event is led by the Yoga teacher and staff members effectively participate for their own good in this event. Furnished and levelled floor in the yoga room helps for smooth usage of yoga mat.

SPORTS AND GAMES

The Physical Education Director take care of the various Sports activities and encourage the students to participate in various zonal, State and National Level Sports activities.

VARIOUS COURTS RELATED TO OUTDOOR GAME

- One Athletics ground (200 mts), which covers 6000 sq.m
- One Volleyball court occupies total area of 162 sq.m
- Two Kabaddi courts cover total area of 750 sq.m
- One kho-kho court occupies the total area of 600 sq.m
- One Handball court covers the total area of 800 sq.m
- One Football court occupies the total area of 6000 sq.m
- One Cricket ground which spread the area of 6000 sq.m

LIST OF GAMES RELATED TO INDOOR GAMES

- two Basket Ball court
- Shuttlecock & Badminton
- Table tennis
- Chess

File Description	Document
Upload any additional information	[View Document]()
Paste 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. *(Data for the latest completed academic year)*

Response: 100

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 23

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

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response: 0.81

4.1.4.1 **Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
0.09	2.18	0	0	14.06

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	[View Document](#)
Upload audited utilization statements	[View Document](#)
Upload 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:

Library is fully automated and In-house software used for Circulation, Procurement, Reservation, OPAC (Online Public Access Catalog*)*, Project Reports and Question papers. All the library documents are bar-coded and books are issued to users by reading the barcode of the document. In-house software is very versatile and is extensively used for generating all the reports that are required in day to day administration of the Library.

Library Networking [Intranet and Internet]

Since the Library is fully automated, the holdings of the Library could be searched using OPAC. The holdings include the books and Journals, syllabus, question papers and Project reports.

For the last 2 years the library is a member of the IEEE student membership. The Library has internet facility through which the e-resources can be accessed. On an average around 100 students per day make use of the library resources. The users of the Library can access publications of all major publishers like Springer, Sage etc. The users can access around 5,000 e-books and 4350 e- journals. The Central Library is also a member of National Digital Library of India (NDLI) which has a collection of more than 6 lakh e-books which the students and staff are making use of it. The journals that are being subscribed are bound as back volumes. There are about 120 titles and 1366 bound volumes. Library also maintains Project

reports that are submitted by the students as part of their course curriculum are being used extensively by the student community. The Digital Library has 30 systems through which Students can access the available e-content.

Reprography and Scanners facility

A high-end Canon Xerox machine, that has the facilities like copying, scanning, and printing, is available in the library.

Library Classification and Cataloguing in Standard Classification format

Library is making use of Dewey decimal classification (23rd edition) for all its documents. For cataloguing the library is making use of MARC II format

Open Access of Arrangement of Print and Non-Book Materials

Right from the inception of the library, it is following the open access to all its documents housed in it that includes books: Bound volumes, reports and other reading material. The library has good bay guides which helps the readers to easily locate the books and other reading material even without the help of Library staff. The departmental books are arranged subject-wise and an index is pasted on each rack.

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

4.2.2 The institution has subscription for the following e-resources

1. e-journals
2. e-ShodhSindhu
3. Shodhganga Membership
4. e-books
5. Databases
6. Remote access to e-resources

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	[View Document](#)
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	[View Document](#)

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 3.03

4.2.3.1 **Annual expenditure of purchase of books/e-books and subscription to journals/e- journals year wise during last five years (INR in Lakhs)**

2020-21	2019-20	2018-19	2017-18	2016-17
1.92	2.85	3.03	4.12	3.24

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the last five years (Data Template)	[View Document](#)
Audited statements of accounts	[View Document](#)
Any additional information	[View Document](#)

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

Response: 64.32

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

Response: 256

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

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The College is availing internet service from BSNL with 38 Mbps band width and 30 Mbps leased line provided by Blue Lotus. Wi- Fi connectivity of 10 Mbps is maintained annually. Wi-Fi connectivity of 10 Mbps is provided in the administrative and academic areas through Wi-Fi router. Additionally Ethernet ports are provided all over the campus for laptops/devices in need of internet connectivity. V-LAN network

facility is implemented to connect all the systems with internet.

There are a total of 400 computers available in the college premises. The staff rooms are either provided with LAN or Wi-Fi facility to enhance the teaching - learning process. Wi-Fi facility is also provided for both boys and girls hostels for enhancing their skills through online courses, projects and for downloading extra study materials.

Sophos XG230 firewall is available as a next-generation firewall. It offers stateful and deep packet inspection over the network, application and user identity-based security. It protects the organization from DoS, DDoS and IP spoofing attacks. It is provided to prevent unauthorized internet users from/to accessing private networks connected to the internet, especially intranets.

A professional network system administraor takes care of the IT related needs of the campus such as hardware and networking. The institution has operating system software's and required number of application software's. The college has well established language laboratory to enhance communication skills of students. High end IBM Window servers are available for smooth conduct of various activities such as online examinations, hands on training, online competitive exams, etc. For uninterrupted computing, UPS is available in all computer laboratories.

Up gradations in IT Facilities are mentioned below.

Server Configuration Details

S. No.	Server Name	Configuration
1	HP Server	HP ML150GS Server HP SATA/SAS Server Quad Core Xeon, 4 GB RAM, 146 GB SAS HDD /DVD
2	IBM Blade Server with Intel Xeon 4C Processor	IBM M18677 Blade Center HS22/ 40 GB RAM/ 250 GHB HDD
3	IBM Server	IBM X3400 / 4 GB Ram/500 GB SATA HDD
4.	IBM Storage (2 Nos.)	N3300 with 12 Nos of 450 GB SAS HDD, DS3300 with 9 Nos of 600 GB SAS HDD

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

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

Response: 0.85

File Description	Document
Upload any additional information	View Document
Student – computer ratio	View Document

4.3.3 Bandwidth of internet connection in the Institution

Response: A. ?50 MBPS

File Description	Document
Upload any additional Information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.4 Maintenance of Campus Infrastructure

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

Response: 98.18

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

2020-21	2019-20	2018-19	2017-18	2016-17
164.11	310.98	305.25	412.59	403.93

File Description	Document
Upload any additional information	View Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View Document
Audited statements of accounts	View Document

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

Response:

MAINTANANCE PROCESS

CARE College has structured a set of policies procedures and practices to govern its operation. The policies are meant for day–to-day dealing. There are established systems and procedures for maintaining and utilizing physical, academic and support facilities such as laboratory, sports complex, computer, classroom etc in the institute. The maintenance of physical, academic and support facilities are carried out by the respective departments with the help of in house staff on daily basis and periodically. And care has been taken to keep the equipments, machine etc in working condition. In case of breakdowns standard procedure is followed to bring the equipment/machine in working condition. A supervisor is appointed to monitor and maintain the physical facilities and Housekeeping. A brief description is presented below on maintenance and utilization of some facilities.

1. **Laboratories (All Labs &Computer center):** Each laboratory has one teacher as lab in charge and a Lab Assistant. Lab in-charge is responsible to maintain and upgrade the laboratory with necessary equipments from time to time to cope with change in the syllabus. Stock verification (Physical Verification) is carried out to verify working/nonworking/missing equipments etc. Preventive maintenance and performance monitoring is carried out. Every laboratory assistant keeps the record of utilization of equipments, computers and other required material for experiments. The laboratories are furnished according to the statutory rules. Relevant Do's and Don'ts/safety precautions are displayed in each laboratory. Every equipment in the lab is entered in the Stock Register and records of the same are maintained. Regular cleaning of the machines is done by the support team in the presence of lab technicians and is recorded in a register. In case of a breakdown of equipment, the same is recorded in the breakdown register and duly attested by the department head. In house servicing of the lab instruments are done every six months. Major repairs are outsourced by following the approved procedure prevalent in the institution. Consumables are purchased every six months. Instruments are calibrated whenever required. All electrical wirings and earthing are done as per the norms. First aid box, fire extinguisher and hand gloves, welding goggles are provided wherever necessary.

2. **IT Support Group:** A separate IT support group with a System Administrator and technical support group is functioning in CARE college to ensure maximum availability of the systems in all the lab. All necessary software like Microsoft office, browser, lab software, antivirus software are installed and maintained. Installation of antivirus and firewall ensure that the software and system is secured. A daily status check on the hardware and software condition of the machines is undertaken. Breakdown maintenance wherein the system fails due to SMPS problem or boot failure is recorded in a register. If the problem is minor, the technical support staff of the lab will rectify it. For major failures, support from vendor is taken. Periodic maintenance is done by regular cleaning of the lab spaces, software updates and antivirus updates. Periodical maintenance is carried out in all laboratories. Hardware trouble shooting, software installation, Maintaining Biometric devices and network related issues are monitored and maintained by IT help desk. The complaints posted through intrnet /E-mail are addressed and resolved immediately. Service requests are normally posted in http://128.0.3.4/ITSystems/Lists/IT%20SUPPORT%20Request/AllItems.aspx.

3. **Classrooms:** At the beginning of each semester the readiness of the classrooms and labs are checked by the facility management team. Regular inspection, maintenance of the furniture and classroom equipments is done on a regular basis. Class rooms are allocated to all departments along with necessary ICT tools. The class rooms are utilized as per the time table of the department.

Head of the institute, HODs and Class teachers also monitor the cleanliness and ensure that the cleanliness is maintained in the class rooms.

4. Librarian with supporting staff has been appointed to maintain central library. They focus on the availability and utilization of instructional material in teaching and learning process. At end of the Academic year stock verification is done. Librarian will prepare the report on the same and utilization of books by the students and staff. Procurement of books as per the requirement is initiated through library committee by inviting the requirement of books from various departments this is then processed following the procurement procedure. The files relevant to Library and Library services are well maintained and labeled for easy access to the Library staff as well as others. All the new books and journals are kept in the new arrival racks for a period of two weeks. Books are issued on presentation of the library card. Issue of books is initially for a period of 20 days and book is to be returned on or before the due date stamped on the slip pasted on the book. If the due date falls on a holiday the next working day shall be the due date. Books which are in circulation can be reserved. Books which have been reserved will not be renewed and reissued. If the books are lost, then the borrower, after getting the approval of the Principal, replaces the books of the same edition or latest edition or pays double the cost of the book as a fine. Library borrower cards are valid for the respective academic period.

5. **Sports complex/ground/equipments:** Physical Director of CARE College looks after the sports facilities and the activities. The sports equipments are issued to the students as per the schedule of the events. If any equipments get faulty sport director submits proposal for maintenance. Preventive maintenance measures are taken in time. Physical Director is responsible for keeping the record of utilization of sport Facilities, activities held, and awards for the students etc. A stock register and an issue register are maintained to ensure the proper handling of the sports items. Stock verification of the sports items is conducted at the beginning of each semester. Regular maintenance of the play area is conducted under the supervision of Physical education director and faculty sports coordinator.

File Description	Document
Upload any additional information	[View Document]()
Paste 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 last five years

Response: 81.45

5.1.1.1 **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2020-21	2019-20	2018-19	2017-18	2016-17
254	263	373	474	587

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

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 22.92

5.1.2.1 **Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)**

2020-21	2019-20	2018-19	2017-18	2016-17
141	144	86	44	7

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

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

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

Response: A. All of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 48.65

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

2020-21	2019-20	2018-19	2017-18	2016-17
298	151	225	172	181

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

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

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

Response: A. All of the above

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

5.2 Student Progression

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

Response: 49.94

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

2020-21	2019-20	2018-19	2017-18	2016-17
86	36	62	110	145

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Details of student placement during the last five years (Data Template)	View Document

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 20.59

5.2.2.1 Number of outgoing student progression to higher education during last five years

Response: 21

File Description	Document
Upload supporting data for student/alumni	[View Document](#)
Details of student progression to higher education (Data Template)	[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: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 10

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

2020-21	2019-20	2018-19	2017-18	2016-17
2	0	0	0	0

5.2.3.2 **Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
4	1	7	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 (Data Template)	[View Document](#)
Any additional information	[View Document](#)

5.3 Student Participation and Activities

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

Response: 12

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

2020-21	2019-20	2018-19	2017-18	2016-17
3	2	4	3	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	[View Document](#)
e-copies of award letters and certificates	[View Document](#)
Any additional information	[View Document](#)

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

Response:

We at CARE College of Engineering strongly believe that improvement is possible only with the association of all the stakeholders of the Institute - the students, the parents, the faculty and the management.

Each department has their own association with student office bearers. Their responsibility is to play a decisive role in the planning and execution of the association activities like organizing seminars and workshops, conducting quizzes and project exhibitions that would help bring out students' inherent talents.

Each class has a "class committee", which comprises of four student representatives, two male and two female, elected by the students of their own class. The committee coordinates all day to day activities of their class.

In order to enhance the creativity and technical skill of the students the college has a Technical club. The

club comprises of student executive body which is guided by faculty members as faculty advisor and club mentor. The various clubs are functioning in our college through Life@CARE.

A magazine is like a mirror which gives a clear picture of all sorts of activities undertaken by the department and in that process develops writing skills particularly among students. Our college facilitates publishing of E-magazine and newsletter by each department. They are published at an interval of six months/ yearly respectively. The editors for these publishing are students themselves.

College has a Quality Improvement Cell (QIC), which comprises of students from different departments acting as co-coordinators with a major responsibility of conducting annually a multi-disciplinary project exhibition. This exhibition helps the students to explore and sharpen their knowledge in various domains.

To create the awareness and motivation among the students to the field of entrepreneurship, the institution has set up an Entrepreneurship Development Cell (EDC). The primary function of the student coordinators is to register students in EDC cell- students, who are passionate to start their own business. These students will get to experience industry interaction, go on field visits, visit incubation centres etc., thereby providing them a good platform to pursue their entrepreneurial dreams.

A Professional Body is that organization in which the individual members practice a particular profession or occupation and in which the organization maintains an oversight of the knowledge, skills, conduct and practice of that profession or occupation. Our college also has such professional bodies like IEEE, ISTE and Indian Geotechnical Society.

Apart from academic activities, students are encouraged to participate in many co-curricular activities to showcase their talents. Extracurricular activities are available to the students in the form of Sports, cultural and Photography. Students' social skills are also enhanced through community programs under Youth Red Cross, National Social Service, Red Ribbon Club, and Women Empowerment cell and Fine arts Club

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 2.2

5.3.3.1 **Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
2	3	3	2	1

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File Description	Document
Upload any additional information	View Document
Report of the event	View Document
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	View Document

5.4 Alumni Engagement

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

Response:

CARE Alumni is a registered Alumni Association under the Societies Registration Act. It was formed on 2nd March 2016 at The Registrar of Society, Tiruchirappalli Region. Registration No: 23/2016 Trichy under Rule 8 Of the Tamil Nadu Societies Registration Rules, 1978.

CARE College of Engineering and the Alumni association jointly believe in creating and maintaining association with its alumni. The Alumni Association provides an interface for establishing a link between the alumni, staff, and students of the institute. CARE alumni are currently working at various positions all over the globe and proving their mettle in all spheres of management.

CARE believes that "**Alumni have special opportunities to influence the experience of prospective and current college students".** During Alumni interaction, our alumni offer their support to our students in building a bridge between college life and career life. The fresh graduates are made proactive to face the current challenges of competitive professional world.

The main aim of this association is to maintain link between the institution and the alumni and share the information on mutual growth, achievement and advancement in various fields.

The Alumni Association Contribution through various means:-

1. Book Donation: Contribution by donating Books and materials to their junior students and helping them academically.

2. Alumni Interaction: CARE Alumni give inputs to aspiring graduates and invited as resource persons at various events. They share their experiences regarding skills, recent technologies & trends in corporate world, application of knowledge and corporate working culture.

3. Placement & Career Guidance Assistance: Alumni are working in organizations at various levels. They assist and guide the students to crack the interviews. They also share their experience with the students and motivate them for their career development in various domains. A separate CARE alumni group is formed using LinkedIn where they post the offers available across the globe.

4. Campus recruiters: Alumni come to campus as recruiters for their companies and also recommend and promote CARE to their employers.

5. Summer Internship Opportunities: SIP being a part of the curriculum; Alumni provide innumerable opportunities in various companies to the students.

6. Entrepreneurship Awareness: Some of our alumni have established start-ups in different sectors, many of them are first generation entrepreneurs. They decided to become entrepreneurs during their academic span at CARE. They learnt various skills & knowledge at CARE. They enlighten the students with their success stories and challenges faced.

7. Alumni Meet: CARE have a tradition of inviting alumni for Annual Meet. In this meet the alumni get chance to reconnect with the Alma mater and old friends. This is the best platform for networking and sharing new trends and current happenings in the corporate world. These inputs are helpful to academicians for moulding the aspiring students.

8. Promoting Institute Events: Alumni associates with various events conducted at CARE.

9. Institute Social Responsibility: Our Alumni are engaged in conducting social activities for the welfare of the society through donations in the form of Books, Blankets, Chairs, Mats, Storage containers, Stationary etc.

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

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

Response: A. ? 5 Lakhs

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

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

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

Response:

Vision of the Institution

- Transform lives through Education and Research

Mission of the Institution

- CARE is dedicated to impart quality education to Students through critical thinking, creativity, leadership and the spirit of entrepreneurship
- The organization is committed to foster research and development in a conducive learning environment
- At CARE, we develop in each member the ability and passion to work effectively for the betterment of humanity with cultural awareness, high ethical and moral values and a sense of social responsibility.

Response:

- M1.1: Our students are facilitated with ICT Tools to enhance and share their technical ability and motivated to participate in the Seminars and Symposiums.
- M1.2: Students are motivated to carry out Self- learning using hackerrank and hackearth tools.
- M1.3: To enable the leadership quality of the students, they are involved in the association activities and playing the roles as President, Vice-President and office bearers.
- M1.4: The students are motivated and trained to identify real world problems, analyze and try to provide solutions through projects. The active participation of students in the project center and incubation center are proof of concept for the above statement.
- M2.1: Faculties utilizes pedagogical use of ICT enabled teaching.
- M2.2: Faculties are motivated to be involved in research activities.
- M3.1: To achieve quality education, students are motivated and guided to participate in the National and State level project competitions such as Hackathon, Manthon, Ideathon.
- M3.2: To gain knowledge about the real time environment students are allowed to attend Internships regularly.
- M3.3: Entrepreneurship skills have been promoted with awareness programs like **Startup Trichy** and **Entrepreneurship Awareness Camps (EAC)** funded by Entrepreneurship Development Institute of India (**EDII**). Many Alumni have made success in their businesses enterprises.
- M3.4: CARE provides platforms like **Professional Societies, Department Associations, Life@CARE Clubs, NSS and YRC** through which the students learn moral, humanitarian and ethical values and become responsible citizens.
- M3.5: To provide access to sports, games and outreach which train students in all aspects, striving towards human excellence with ethical and moral values.
- The Governing Council and the Principal together work towards the designing and implementation

of the institutional quality policy. The various administrative and academic departments of the College are effectively governed through a constitution of mandatory bodies such as IQAC, Training & Placement, EDC, Library, etc. having well-defined roles and principles keeping in synchronization with the vision and mission of the College.

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

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

Response:

- At the Institution level, Various Committees have been constituted which includes the Principal, HoDs and the Faculty members. These Committees meet periodically to discuss various academic and non-academic matters, which includes introduction of courses, reforms in Examination and Assessment, infrastructure augmentation etc.
- All the major stakeholders of the College including Management, The Governing Council, The Principal, Teaching and Non-Teaching Staff, Parents, Students and Alumni work in a democratic way of governance following the tacit rules of accountability in execution of their duties and responsibilities.
- Each HoD or Head of the committee is given the rights to plan and execute the activities for the welfare of the stakeholders. One such initiative is given below in the case study.

CASE STUDY

The College has a students' Grievance and Redressal Committee. The functions of the Committee are to look into the complaints lodged by any student, and judge its merit. Anyone with a genuine grievance may approach the Grievance Redressal Committee members in person. In case the person is unwilling to appear in a self grievances may be sent in writing or also be sent through email to the Officer in charge of the student Grievance Redressal Committee or principal.

A registry to register the Complaint is established and kept in the Principal Office under the supervision of Principal. On receipt of the complaint, the staff in- charge of the registry will submit the same to the convenor of the "Grievance Redressal Committee".

In the case, the complainant not satisfied with the decision of the Committee, they may send their appeals to the "OMBUDSMAN". The OMBUDSMAN will fix a date for hearing the Complainant which shall be communicated to the institute and the aggrieved person. In case of any false/frivolous Complaint, the OMBUDSMAN may order appropriate action against Complaint.

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

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

The following are the salient features of the Institutional Strategic Plan:

- Introduction of new UG & PG programmes and courses to attain the vision and mission of the Institution.
- To get all programmes as well as the Institution accredited by NBA and NAAC.
- To emphasize more on the teaching-learning process in the state of art of international standards.
- To obtain 100% placement records and to place more students in core companies.
- To foster innovation, creativity, research and experimentation, the cross-fertilization of thoughts and ideas, the freedom of students and faculty members to think.
- To provide the state-of-the-art infrastructure, world class ambience and ethical work culture.
- To provide an invigorating work environment for faculty and staff.
- To modernize, upgrade and strengthen the infrastructure by adding more equipment/computer systems.
- To obtain recognition from AU to serve a research center for all the departments.
- To attain greater visibility both nationally and internationally amongst the stakeholders.
- To collaborate with various industries in the field of R&D and consultancy
- To establish at least two or three CoE in chosen areas of Engineering and Science.
- To get funding from government/non-government organizations.

LONG TERM:

- To implement the NAAC and NBA Accreditation.
- To get better placement opportunities and increases in the average CTC 10% year on Year.
- To undertake major and minor funded research projects.
- To build robust collaboration with industry and other leading institutions.
- To create scientific temper in students by encouraging them to take part in engineering conferences and events in the field

SHORT TERM:

- To prepare the course materials before commencement of class in the form of course dockets.
- To educate students in the field such that they excel as professionals, academicians, researchers, entrepreneurs.
- To upgrade teaching methods according to changing standards.
- To provide cutting-edge laboratory and classroom infrastructure.
- To enable the students to get opportunities in the core field.

- To help students tackle complex engineering problems in the field.
- To engage students in continual learning through professional development.

Describe one activity successfully implemented based on the strategic plan

Role of Training and Placement in the Institution

OBJECTIVES:

1. The primary objective is to enhance the skills, knowledge and abilities of every individual in terms of producing Good results and higher placement every year.

- Assisting students to develop their academic and career interests through counseling
- Coordinating with companies to learn about their requirements and recruitment procedures.
- Identifying the needs and expectations of the companies to assist them in recruiting the most suitable candidates.
- Organizing pre-placement training/workshops/seminars for students.
- Arranging periodic meetings with the Human Resources Department of companies and TPO's to promote our institute.
- Collecting feedback from employers where our students are selected.
- Assisting students for industrial training at the end of the fourth and sixth semesters.
- Offering "Earn while you learn" program in the form of paid internship/assignment and topics.

File Description	Document
Upload any additional information	[View Document](#)
strategic Plan and deployment documents on the website	[View Document](#)
Paste link for additional information	[View Document](#)

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

Response:

- CARE College of Engineering was established by G.Narayanan Educational Trust in the year 2009.CARE is a self-financing Engineering college approved by AICTE and affiliated to Anna University, Chennai. As per AICTE Norms the Governing Council is functioning under the Chairman, CEO and Principal of the College for effective administration and control. The institution has policies, administrative setup, and appointment and service rules for proper functioning. The organizational structure of CARE College of Engineering including, Governing Council are described as follows.
- The Governing Council comprises 7 Members and is represented by Chairman and CEO of the Institute.The CEO accomplishes the academic and administrative activities of CARE COE and convenes the Governing Council meeting once in a year or as and when required. All important

policy decisions are taken in the Governing Council Meeting.
* Administrative set up of the institution is publicized in the organization chart of the institution. The decision making procedures are made at appropriate levels in the organizational hierarchy. For the proper functioning of the Institute, the hierarchy is maintained as per the organization chart and responsibilities carried out at all the levels.

File Description	Document
Upload any additional information	[View Document](#)
Paste link for additional information	[View Document](#)
Link to Organogram of the Institution webpage	[View Document](#)

6.2.3 Implementation of e-governance in areas of operation

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

Response: A. All of the above

File Description	Document
Screen shots of user interfaces	[View Document](#)
ERP (Enterprise Resource Planning) Document	[View Document](#)
Details of implementation of e-governance in areas of operation, Administration etc	[View Document](#)
Any additional information	[View Document](#)

6.3 Faculty Empowerment Strategies

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

Response:

Institute has various welfare measures to encourage and empower the faculty members. The effective measures support them to meet their academic and personal goals.

The following are the welfare measures taken by the institute,

* Financial assistance for FDP and workshop.
* On-duty for attending workshop, FDP, Conferences.
* Institution provides free lunch services to a minimum of twenty members in the institute.

- Group Insurance scheme for faculty, Students and their parents.
- Fee concession/scholarships for the children of faculty members.
- Maternity Leave to female / Paternity Leave to male staff with salary.
- Study leave to pursue part time Ph.D.
- Benefits on Marriage occasions.
- Funeral Assistance.
- Transport facilities to staff members

File Description	Document
Upload any additional information	View Document
Paste 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: 51.35

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**

2020-21	2019-20	2018-19	2017-18	2016-17
26	16	57	84	13

File Description	Document
Upload any additional information	View Document
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	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: 5.4

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

2020-21	2019-20	2018-19	2017-18	2016-17
5	5	6	6	5

File Description	Document
Upload any additional information	[View 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 Programmes organized by the University for teaching and non teaching staff	[View Document](#)

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 61.98

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

2020-21	2019-20	2018-19	2017-18	2016-17
41	22	66	91	13

File Description	Document
Upload any additional information	[View Document](#)
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	[View Document](#)
IQAC report summary	[View Document](#)
Details of teachers attending professional development programmes during the last five years	[View Document](#)

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

Response:

- The main intention of the faculty performance appraisal process at CARE is to attain professional growth and development of each faculty member, department and also the institution.

- So every year the faculty members are asked to submit the self-appraisal form.
- HOD also has to submit their Self-appraisal form to the Principal along with HoD Metrics and Performance appraisal. Principal will review the forms. Then, the fitness of the concerned faculty to continue in the present position/promotion is determined and documented. If any undesirable performance is noticed, the same is reported to the concerned faculty along with suggestions for necessary improvements.
- Based on the performance appraisal rating, 20% of faculty members are scrutinized and the best 3 faculty members and the best department of the institution are awarded for every year.

Faculty Metrics (old format - followed upto 2020-2021)

- **Academic -** Developing High quality students, Teaching Excellence, Faculty Development
- **Internship -** Practical learning Exposure
- **Placement -** Offering high profile Job
- **Certification & Continue education -** Curriculum excellence & Innovation, Collaborative learning, Alumni Training
- **Admission** -   Attracting high quality students
- **Creating Vibrancy in Campus-** Increase events, Participation and Audience, Intercollege Events Participation

Faculty Metrics - Proposed for 2021 - 22

1. **Academic (50%)** - Subject Pass percentage, GuestLecture, Project guided, Preparing students for Best Performer.
2. **Self-Improvement (10%)** - FDP/STTP/Workshop/Seminar attended and organized, Professional Membership, Paper published in journal and conferences, online certificate courses.
3. **Activity towards students growth** (30%) – Organizing programs relevant to value added courses, co-curricular and extra-curricular, motivating and guiding students to attend online courses, internship, competitive exams and higher studies.
4. **Placement and Alumni** (30%) – Arrangement and assistance regarding placement, Entrepreneurship, Government jobs.
5. **Research and Development** (30%) - Applying and receiving Government and non-government Grants (Seminar / Workshop/Symposium/Conference/Project), Consultancy work, Guidance in student funded projects.
6. **Industry Institute Partnership Cell** (30%) - Organizing Industrial visit, Industry institution interaction through MOU.
7. **Institutional level Contributions** (10%) - Contribution for Admission and Institutional development

HOD Metrics (old format - followed upto 2020-21)

- ACADEMICS - Developing High quality students, Student Development
- ADMISSION - Creating awareness about courses & college
- PLACEMENT/INTERNSHIP - Offering high profile Job,Practical Learning
- ALUMNI RELATION - Alumni Relationship
- REVENUE - Increasing Department Revenue

HOD Metrics- Proposed for 2021 - 22

1. **Academic (50%)** – Graduate rate, Drop-out Rate, Students' benefit through VAC and online courses, arranging seminars & Guest lectures, adopting new learning from industry and implementing in institutions.
2. **Admission (10%)** – Supporting for admission, organizing extension activity
3. (10%) – Organizing Workshop/conference/FDP/STTP/Symposium, framing department e-Newsletter / e-Magazine.
4. **Research & Development** (10%) – Paper publication in reputed Conference and Journals, book publications, Patent, Establishment of a Centre of Excellence.
5. **Placement and Alumni** (10%) – Arrangement for student placement, , Motivating students for higher studies and competitive exams, organizing Alumni meet
6. **Industry Institute Partnership** Cell (10%) – MoU with Industry and Research institute, Students' involvement in Industry project.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

- Every academic year, Head of the Institution convenes a meeting of the Heads of the Department, Training and Placement Officer and Central Librarian to discuss the budget requirements on Recurring and Non-recurring expenses, Student development, Faculty development, Research and Development, Operation and Maintenance, Infrastructure development, Furniture, Training and Travel expenses. These expenses are projected based on intake of the students and future development plans of the Institution. The prepared budget is scrutinized by the Head of the Institution and submitted to the Governing Council for approval.
- The budget is approved by the Governing Council after having discussion with the Head of the Institution.
- After the budget approval, the Head of the Institution convenes a meeting to discuss the action plan for procurement of the budgeted requirements. Actions for procurement of lab equipment, up-gradation of existing lab facilities, purchase of consumables etc., are initiated by the respective departments based on the allotted budget. The release of funds is done against a proposal that is raised by the concerned department and duly approved by the Head of the Institution. Every year, the allocated funds are utilized effectively to meet the expenses such as staff salary, infrastructure development, purchase of equipment, expenses towards consumables and contingencies, travel, library purchase etc.
- The management monitors the utilization of financial resources by regular and periodical reviews. In these review meetings budget allocations are discussed, utilization of resources analyzed and additional needs if any are identified so that timely and appropriate actions are put in place. The financial resources are utilized under the following heads like salary, purchase of new

equipment/software/hardware for all departments, purchase of books for central and department library, transport, day-to-day administration, hostel and maintenance expenses.

- The annual accounts and balance sheet of the college are audited by an external chartered accountant and annually as per statutory requirements.
- The accounts of the college are audited externally by chartered accountants regularly as per the Government rules.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 5.21

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

2020-21	2019-20	2018-19	2017-18	2016-17
0.098	1.0355	1.4215	1.3364	1.3202

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	View Document
Any additional information	View Document
Annual statements of accounts	View Document

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

Response:

Mobilisation of funds

- The institution has a proper channel to generate funds for the smooth running of the institute in a sustainable way. This finance generated supports the Institution to meet its vision and mission. Proper strategic plans have been framed to generate funds (internally and externally as well). Various heads of resource mobilization are listed below :

- Students fees collections- includes admission and exam fees (collected as per the DOTE / Anna university and government norms), Transport fees, Hostel, mess fees and miscellaneous fees.
- Grants received from various agencies- The institute receives grants from the Government – Central or State, UGC and other educational sponsoring agencies under various heads. Funds accrued through all these grants go towards meeting the running expenses of the college.
- Funds generated by faculty through funded projects or grants for organising events - Faculty members are submitting proposals to DST, UGC AICTE and other government agencies to get funds and use that fund for purchase of advanced equipment and to enhance the learning quality.
- Corpus donation of the trust and the Management Contribution – Every year management has contributed towards maintenance expenses.

Optimal Utilization of resources

- Our institute has well defined financial monitoring system to monitor the optimal utilization of funds in a centralized manner. Institute follows a centralized management system for effective utilization of resources. Resource utilization for Infrastructure development, teaching and learning process, and other supplementary is done through proper centralized channel for optimal utilization. Resource available in institute premises is shared by all the departments such as seminar halls, computer labs, laboratories and supplementary components based on availability.
- Mobilized funds are optimally utilized for various expenses comes under recurring and non-recurring expenses, salary for teaching, non-teaching staff members and other expenses which includes Student development, Faculty development, Research and Development, Operation and Maintenance, Consumables, Infrastructure development, Furniture, Training and Travel expenses, purchase of books for central and department library, transport, day-to-day administration, hostel and maintenance expenses etc.,
- Registration fee and travelling expenses, for attending/organizing programs such as FDP/Seminar/ Workshop/Conference.
- The students can utilize the budgeted amount in their development of co-curricular and extracurricular activities.

File Description	Document
Upload any additional information	[View Document](#)
Paste 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:

The Internal Quality Assurance Cell (IQAC) is established in the institution to maintain and enhance quality of education. The success of a quality assurance system depends on the support of the management. Hence, quality assurance should also cover the strategic management, process management and measuring-

monitoring systems which interact with each other to enable the institutions to improve their processes.

IQAC will meet at least once in a year and record its deliberation and suggest improvements required if any in academic / administrative functions. The IQAC reports are periodically circulated amongst the stakeholders for suggestions and feedback. The Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. The IQAC has taken many initiatives for the development of the college. The quality check involves:

1. Monitoring of classes and reporting the discrepancies (if any) to the higher authorities.
2. Verify the subject course file at the beginning of the semester.
3. Verify the session plan of the course.
4. Monitor and verify all the internal exam Question papers - To check whether the marks & attendance have been updated in the Mark sheet. Also, to check whether counseling has been done during that period. Verification of lab attendance register-To check whether the marks are being allotted according to the lab evaluation process of the institution.
5. Verification of marks entry in every internal examination.
6. Answer paper verification with the answer key- To check whether the marks have been allotted properly, according to the answer key.
7. Verification of final marks before submission to University Web portal.
8. Verification of Department stock register and barcode of newly purchased equipment at the beginning of every semester.
9. Department library audit at the beginning of every semester.
10. Timetable and workload verification in the beginning of every semester
11. Central Library audit on a yearly basis.

Among them the two best practices that have been institutionalized are Session plan and Value added course.

File Description	Document
Upload any additional information	[View Document](#)
Paste 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 and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives   )

Response:

Response I: Outcome Based Education (OBE).

- Outcome Based Education (OBE) includes Bloom's Taxonomy, Course Outcome and Program

Outcome (CO_PO). Bloom's taxonomy was created to provide the classic definition on the levels of educational activity, from the very simple (like memorizing facts) to the more complex (such as analyzing or evaluating information).

- IQAC coordinator along with the guidance of HOD, verifies the standard of the question bank and will ensure that the questions are matched with the course outcomes and as per Bloom's Taxonomy.
- Our institution offers education through practical and activity based learning and we enhance their skills for problem solving, creativity by collaborating with industries.
- Our institution also had an opportunity to participate in the Stanford University-Seed transformation program on 4.9.2017 through which the institution's strength and weakness have been identified and the transformation plan has been arrived. This program provides educational opportunities and summer internships for students in companies and research.
- The Seed Transformation guides all internal stakeholders and helps the organization to serve the students as defined in the vision of the organization.

Response II: Assessment Methods (CO_PO Attainment)

- Our Institution follows theCourse Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes(PSOs) as per curriculum of Anna University for outcome based education. Attainment calculations are made for each course at the end of the semester and in turn the Program Outcomes are mapped and evaluated.
- Course Outcome is evaluated based on the performance of students in internal assessments and in university examination of a course. Internal assessment contributes 20% and university assessment contributes 80% to the total attainment of a CO.
- The institution that identifies, collects and prepares data to evaluate the subject knowledge and learning effectiveness of the students. And also mapped with course outcomes and program outcomes (CO_PO mapping).

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

6.5.3 Quality assurance initiatives of the institution include:

1. **Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
2. **Collaborative quality intitiatives with other institution(s)**
3. **Participation in NIRF**
4. **any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Response: B. 3 of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the institution	View Document
Upload any additional information	View Document
Paste web link of Annual reports of Institution	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

THE CONTEXT OF WOMEN EMPOWERMENT CELL (WEC)

- Women Empowerment Cell (WEC) of CARE College of Engineering is active in taking care of the safety and security of girl students in our institution.
- Woman Centric Health care programs are also part of what WEC organizes.

Year	2020-2021	2020-2019	2018-2017	2017-2018	2017-20
Number of Programme Organized	3	2	3	2	2

THE INAGURATION

- Women Empowerment Cell was inaugurated on 08.03.2015
  - Chief Guest: Dr. Sripriya. P, M.B.B.S, M.D- O&G, Gynecologist,
  - Event Title: "Middle Age Challenges".

INTERNATIONAL WOMEN'S DAY - 2017

- International Women's Day 2017 - 08/03/2017.
- Event Title: "Be bold for a change".
- Campus rally and "Flash Mob" was conducted by the students.

INTERNATIONAL WOMEN'S DAY - 2018

- International Women's Day – 2019 - 08/03/2018
  - Chief Guest, Dr.Pon Sasipriya, Radiation Oncologist from Harshamithra Hospitals,
  - Event Title: "Cancer Awareness" and "Safety and protection measures for girl students".

GENDER EQUALITY PROCESSION - 2019

- A silent procession was organized inside the college campus to spread the message of gender equality on 8th March 2019.
  - Chief Guest: Dr.Susheela, Principal of Vellammal School of Nursing, Madurai
  - Event Title: "Women-Health & Hygiene".

INTERNATIONAL WOMEN'S DAY - 2020

- International Women's Day 2020 - 07/03/2020.
  - Chief Guest, Dr.J.Jeyarani HoD/ECE-CARE,

- ○ Event Title: "Harrasments, Sexual assault & Misconduct - The ways to handle the situation"

INTERNATIONAL WOMEN'S DAY - 2021

- International Women's Day 2021 - 08/03/2021 via online mode involving online fun events and ted talks with experts.

WOMEN AWARENESS SESSION - 2021

- An awareness session was conducted to all women students.
  - ○ Speakers: Dr. J. Jeyarani, HoD/ECE on best practices inside and outside Campus
    Mrs. A. Shirley Mary Vanitha, AP/English on Hygiene practices

THE YUVATHI FESTIVAL

- Every year on International Women's Day we celebrate Yuvathi festival aimed at enhancing the interpersonal and life skills of the girl students.
- Students project a presentation on awareness about real life challenges in workplace and how to protect themselves from sexual harassment.

ENLIGHTEN ENTREPRENEURSHIP

- Women Entrepreneurs invited as chief guests share their rich experience on entrepreneurship.
- They brief the students on the various government schemes that are available for aspiring women entrepreneurs.

INTERNAL COMPLIANCE COMMITTEE

- For the benefits of girl students an Internal Compliance Committee has been constituted in our college with functions and responsibilities to address any problems related to women and recommending the remedial measure.
- The committee also counsels the students to feel secure and safe under any circumstance.

SEXUAL HARASSMENT CELL

- CARE has formed a Committee for Prevention of Sexual Harassment under the recommendation of the Anna University, Chennai.
- The Complaints & Redressal Committee and Sexual Harassment cell together provide a safe work environment from exploitation and intimidation.

SECURITY, GIRLS ROOM AND OTHER MISCELLANEOUS SERVICE

- Computer Centre with 10 Mbps Wi-Fi connectivity is available for girls at hostel thus ensuring the hostel inmates are also electronically reachable 24 x 7.
- Sick room & 24-Hour all round security service provided both at college and in the hostel to ensure safety of girl students.

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	[View Document](#)
Link for annual gender sensitization action plan	[View Document](#)

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

Response: B. 3 of the above

File Description	Document
Geotagged Photographs	[View Document](#)
Any other relevant information	[View Document](#)
Any other relevant information	[View Document](#)

7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

Response:

S. No.	Requirement	Availability	Specifications
1	Solid Waste Management	Yes	Separate dustbins for Biodegradable and Non-b wastes (Refer fig. 7.1.3.1 & 7.1.3.2)

2	Liquid waste management	Yes	Effluent Treatment Plant (ETP) is installed for the treated water is sent for gardening via sprink (Refer fig. 7.1.3.3 & 7.1.3.4)	
3	Biomedical waste management	Yes	Sanitary napkin dispenser and incinerator instal toilet (Refer fig. 7.1.3.5 & 7.1.3.6)	
4	E-waste management	Yes	Printer cartridges are reused by refilling the ton replacing. (Refer fig. 7.1.3.7 to 7.1.3.9)	
5	Waste recycling system	Yes	The scraps, plastic and paper wastes are sorted consistently. Average of 500kg recycled per mo (Refer fig. 7.1.3.10 to 7.1.3.12)	
6	Hazardous chemicals and radioactive waste management	No	-	

File Description	Document
Any other relevant information	[View Document](#)
Link for Geotagged photographs of the facilities	[View Document](#)
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	[View Document](#)

7.1.4 Water conservation facilities available in the Institution:

1. **Rain water harvesting**
2. **Borewell /Open well recharge**
3. **Construction of tanks and bunds**
4. **Waste water recycling**
5. **Maintenance of water bodies and distribution system in the campus**

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	[View Document](#)
Any other relevant information	[View Document](#)
Link for any other relevant information	[View Document](#)

7.1.5 Green campus initiatives include:

1. **Restricted entry of automobiles**
2. **Use of Bicycles/ Battery powered vehicles**
3. **Pedestrian Friendly pathways**
4. **Ban on use of Plastic**
5. **landscaping with trees and plants**

Response: A. Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	
Geotagged photos / videos of the facilities	
Any other relevant documents	
Link for any other relevant information	

7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

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

Response: A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	
Certification by the auditing agency	
Certificates of the awards received	
Any other relevant information	
Link for any other relevant information	

7.1.7 The Institution has disabled-friendly, barrier free environment

1. **Built environment with ramps/lifts for easy access to classrooms.**
2. **Divyangjan friendly washrooms**
3. **Signage including tactile path, lights, display boards and signposts**
4. **Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment**

5. **Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

Response: A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	[View Document](#)
Geotagged photographs / videos of the facilities	[View Document](#)
Details of the Software procured for providing the assistance	[View Document](#)
Any other relevant information	[View Document](#)
Link for any other relevant information	[View Document](#)

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

- CARE College provides an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities.
- Different sports and cultural activities organized inside the college promote harmony towards each other.
- provides opportunities to every student to exhibit their talent.
- Activities are conducted throughout the year to make their student life enjoyable and cultivate the habit of moving with everyone.
- Commemorative days recognized and celebrated by the college are:
- Women's day
- Yoga day
- Cancer day
- AIDS Awareness
- Ayutha Pooja
- Pongal
- New Year Celebrations
- Teachers' Day
- Independence Day
- Republic Day
- All these events are celebrated in the campus every year with invited eminent guests.
- Every year Sports day is celebrated to encourage the sports activities of both faculty & students. This establishes positive interaction among people of different racial and cultural backgrounds.
- There are different grievance redressal cells in the institute like Student grievance redressal cell, Women grievance redressal cell which deal with grievances without considering anyone's racial or cultural background.

- Institute has a code of ethics for students and a separate code of ethics for teachers and other employees which have to be followed by each one of them irrespective of their cultural, regional, linguistic, communal socioeconomic and other diversities.

File Description	Document
Link for any other relevant information	[View Document](#)
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	[View Document](#)

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

Human Values and Professional Ethics

- India, as a country, includes individuals with different backgrounds viz., cultural, social, economic, linguistic, and ethnic diversities governed and guided by the Constitution irrespective of caste, religion, race sex.
- CARE sensitizes the students and the employees of the institution to the constitutional obligations about values, rights, duties, and responsibilities of citizens which enables them to conduct as a responsible citizen.
- To equip students with the knowledge, skill, and values that are necessary for sustaining one's balance between a livelihood and life by providing an effective, supportive, safe, accessible, and affordable learning environment.
- These elements are inculcated in the value system of the college community.
- The students are inspired by participating in various programs on culture, traditions, values, duties, and responsibilities by inviting prominent people.
- The institute conducted awareness programs on the ban on plastics, cleanliness, Swatch Bharat, etc. involving students.
- The college establishes policies that reflect core values. Code of conduct is prepared for students and staff and everyone should obey the conduct rules.
- We are selecting Professional Ethics and Human Values as an elective subject in the seventh semester for our students of all branches.
- CARE takes pride in the fact that apart from preparing a sound academic foundation of the student community; the college constantly works upon to develop them as better citizens of the country.
- In this regard, the institute, apart from imparting professional legal education, inculcates a feeling of oneness among the student community through various practices and programs.
- Various faculties have always been in the practice of organizing activities that not only initiate but also motivate the students to adopt various practices that promote the "Unity in Diversity" of our motherland.
- CARE ensures that the students participate in all such activities. The college has increased the level of awareness and appropriate practices amongst the students with regard to the following areas:

1. **National Identities and Symbols**: The College has always taken various direct and indirect steps which promote the awareness about various National Identities and Symbols. The College celebrates Independence Day & Republic Day with great pomp and vigor.
2. The Department

3. **Fundamental Duties and Rights of Indian Citizens**: The Faculty of various departments, have organized various academic and co-curricular activities for the propagation of the Fundamental Duties and Rights of the Indian citizens and our students enthusiastically participated in various programs like Seminar, Conferences, Expert talks, poster making competition, technical and non-technical competitions, legal aid and legal awareness camps.

4. **Constitutional Obligations**: CARE College has organized student centric activities like paper, poster & essay competition displays at annual Synergy events etc which have always received huge participation from the students and promoted their awareness about various aspects of Indian citizenship. List of various activities conducted in the Institute for inculcating values for being responsible citizens as reflected in the Constitution of India are given below:

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	View Document
Link for any other relevant information	View Document

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

1. **The Code of Conduct is displayed on the website**
2. **There is a committee to monitor adherence to the Code of Conduct**
3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
4. **Annual awareness programmes on Code of Conduct are organized**

Response: B. 3 of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	View Document
Code of ethics policy document	View Document
Any other relevant information	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

- In order to build a better India, our institution celebrates Days of National Importance like Independence Day, Republic Day and death and birth anniversaries of great personalities.
- **Independence Day** is annually celebrated on 15th August to commemorate the nation's independence from the United Kingdom. In the same way **Republic Day** is celebrated on 26th January of every year to honor the date on which the Constitution of India came into effect.
- Our Institution celebrates these days by hoisting the National Flag and delivering a speech. In order to make the students know the importance of these days, various competitions like elocution, essay writing, vocabulary and Spell bee are conducted and the winners are honored with certificates by the chief guest of the day.
- **International Youth Day:** 12 August, 2019 International Youth Day (IYD) gives an opportunity to celebrate and mainstream young peoples' voices, actions and initiatives, as well as their meaningful, universal and equitable engagement. Various activities like, debate, elocution, essay writing and other programmes are conducted where the students from various departments actively participate.
- **Teacher's Day** is celebrated to acknowledge the challenges, hardships, and the special role that teachers play in our lives. Teachers Day is one such event for which students and teachers equally look forward to. Students of all departments organize Teachers Day and facilitate faculty members and conduct few events.
- **Engineer's Day** is celebrated to feel proud of the engineers of our country and to celebrate their achievements in each and every field of science and technology. In the economic progress and development of a country engineers play a very crucial role and contribution. All departments of CARE organize various events for students and distribute prizes for the best three performances.
- **Gandhi Jayanti** is an event celebrated in India to mark the birthday of Mahatma Gandhi. It is celebrated annually on 2 October. CARE celebrates Gandhi Jayanthi every year and remembers the significant role played by Gandhiji.
- **International Human Rights Day** is observed on December 10 annually. The main aim behind celebrating this day is to improve the physical, social, cultural and spiritual well-being and welfare of the vulnerable group of people globally. CARE celebrates Human Rights Day and highlights the importance of Human Rights to students. Eminent Speakers are invited to deliver lectures on Human Rights.
- **International Women's Day** is a time to reflect on progress made, to call for change and to celebrate acts of courage and determination by ordinary women, who have played an extraordinary role in the history of their countries and communities. CARE celebrates every woman of the institution by celebrating every year.
- **International Yoga Day** Spreading growth, development and peace throughout the world. Making people aware of physical and mental illnesses and providing solutions through yoga. It also aims to develop a habit of meditation for peace of mind, self-awareness is necessary to survive in a stress-free environment. CARE encourages yoga activities and Sports Department organizes a small workshop on Yoga and its significance to students and Faculty Members

File Description	Document
Link for Geotagged photographs of some of the events	[View Document](#)
Link for any other relevant information	[View Document](#)
Link for Annual report of the celebrations and commemorative events for the last five years	[View Document](#)

7.2 Best Practices

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

Response:

Best Practices-I

Title of the Practice

Course file for TLP – The Cardinal Document

Goal/ Objectives of the Practice

- To expose the extent and depth of the subject to be covered in a semester.
- To ensure the availability of all the teaching aids required by the teacher.
- To capacitate the teachers to improvise the teaching methodology.
- To make the teacher aware of the prevailing status of the students in advance.
- To encourage students to gain knowledge from various sources related to the subject.
- To facilitate the students in a confident and effective preparation for exams.
- To oversee the parallel achievement of the designated course and programme outcomes.

The Context

- Course file is the amalgamation of essential documents to be prepared for every subject by the teachers in accordance to the respective syllabus and duration prescribed by the Anna University.
- In contrast to the primitive teaching methods, this course file enables the teachers to know, find, understand and reproduce the subject content in a radical approach.
- It also enables the teachers to keep in track the coverage of the course and programme outcomes designated for their respective subjects.
- The course file is an integrated practice done by the teachers
  - *before the beginning of the semester*: by preparing the necessary presentations, lesson plans, session plans and question banks;
  - *during the semester*: by keeping a record of the performance in internal examinations, question paper and answer paper audits, counselling
  - *after completion of the semester exams:* by collecting student feedbacks, CO-PO attainment sheets and providing the faculty feedback with the pros and cons faced in the tenure for

effective upgradation in the upcoming semesters.

The Practice

- Course Information sheet: The primary document prepared by a teacher for handling the respective subject effectively as it illustrates the department, core and the importance of every topic being covered in the syllabus of the respective subject. The teacher also coin the various opportunities available for the respective subject in the industry.
- Academic Calendar: Prepared by Academic head in accordance to the schedule given by the Anna university and the all the college events.
- Time Table: Prepared by every department considering the total number of theoretical and practical subjects to be covered.
- ABC Analysis: Based on the academic performance of the students in the previous semesters, they are classified in A, B and C groups and coaching is provided accordingly. The elite students are involved in the next level of academic activities whereas the slow learners are focused towards better preparation for the exams.
- CPP: Course Pedagogy Presentation involves breakdown of the subject's syllabus and the method of the teaching approach proposed by the teacher. They also quest the job opportunities available in the stream of their respective subject
- Lesson Plan: The day-to-day scheduling of covering the subject's syllabus within its prescribed time aids the teachers to be prepared with the methodologies proposed. It also illustrates the reference material available across all media for the respective subject.
- Session plan: A micro-level planning for every minute of a particular session starting with a recap of the previous topics, explanation of the scheduled topic and giving the students to read about the topic to be covered on the next class.
- Question Bank: The collection of all the relevant questions in every unit and their respective answers are prepared by the teachers before the commencement of the semester. This ensures the students to present their answers in a better way.
- Answer Keys: The answer keys for the previous 5 semester Anna university question papers are prepared by the teachers for all the subjects before the semester begins to give a clear understanding on the mark allocation for various questions.
- Audits: The question papers and the answers sheets of the internal assessments are audited by IQAC to ensure proper question weightage and facilitate the students to be prudent in their preparation.
- CO-PO Attainment: Based on the student's performance in internals, their marks are categorized for each CO and the revision classes are planned accordingly. The slow learners are identified and individual coaching sessions are planned for all the subjects.
- Student Feedback: Along the course of the semester, feedbacks are collected from the students via class committee meeting (CCM) at the end of every month to evaluate the quality of teaching in that respective semester and solve the requirements and comments of the students immediately during the progress of the semester.
- Course end survey: Upon the completion of the course, each student is requested to fill a survey form to evaluate the gross input given the student throughout the course period and to incorporate the required corrective measures in the then-coming semesters.
- Faculty Feedback: The faculties also provide feedback insisting the pros and cons of the methodologies handled and the summary on the output received which helps in a consistent upgradation in the upcoming semesters.

Evidence of Success

- The teachers approach the lecture session with a well scheduled plan and methodologies which helps them in finishing the chapters on time and plan for coaching classes and other related co-curricular activities like site visits, symposiums, conferences etc.
- The students derive a definitive study chart and show consistent improvement in the examinations across the semester and produced commendable results in the end semester exam.
- The course file also benefit in better placement as this radical approach strengthens the basics of every subject and it also finds time to provide exclusive placement coaching sessions consequencing in consistent placement records.
- The micro lesson planning with details of reference materials across various media broadens the vision of a student towards engineering and provoke them to utilize them and turn up with a product development, R&D, post graduate studies etc.
- The CPP illustrates the various job opportunities related to every subject and fixates a reliable carrier path for the students during the course tenure.
- Even upon the unanticipated epidemic curfew, we were able to stabilize the teaching process with slight modifications towards online coaching as we had a meticulous course plan in advance.

Problems Encountered and Resources Required

- The course file is a conditional set of documents that requires to be updated every semester as the student batch, syllabus is updated and so it's a time consuming process to update according to the prevailing conditions To counter this, faculty development .programs (FDP) are organized for all the teachers to be aware of the upcoming upgrades and prepare accordingly in advance.
- The session plan is a micro level planning work which requires the teachers to forecast the state of students and the classrooms well in advance and plan for every minute. This requires the management to arrange for orientation sessions to help the teachers in smart planning and to make them aware of the fore coming changes to be adopted.
- Adoption towards the online teaching methods required decisive modifications across the course file and this required the management to provide the teachers with proper internet support and online teaching tools and LMS tools for effective communication.

Best Practice – II

Title of the Practice

Online ICT tools – The coercion of gen Z.

Objectives of the Practice

- CARE college encourages a progressive learning experience and supports the students and staff members towards it via various methodologies.
- Online Information and Communication Tools play a predominant role in accomplishing an exorbitant approach towards engineering and facilitates continual learning even upon the immediate change towards online teaching.
- This also provides an immersive involvement through the action of actual pictures, videos and sounds during the lecture sessions as this ignites various senses towards exploring the untouched parts of blooms taxonomy.

- This bridges the gap between attending a physical lecture session and an online session and also facilitates the students to review the course in the original form of teaching.

The Context

- The Information Communication tools used by our college teachers include Creative Pen Tablets, Google Classroom, Delnet, NDLI, Course-era, Google Meet, Animations, Videos, working models, Smart boards.
- All the teachers are given sufficient training in using all these tools and also given proper information on the updates. The subjects involving theorems, derivations and problems require the pen tablet and Smart boards to reflect the writings in the screen.
- Google Classroom is the easily accessible LMS tool across all platform with a very simple interface to conduct lectures, share materials, create and collect assignments and internal exams.
- The animations, videos and Models are all used via google meet to illustrate the practical application of the subject concepts and their working procedures.
- All the teachers and students are given access to Delnet and NDLI and the respective links for reference materials are shared in the google classroom.
- Course-era is an online education provider where the students and staff members can attend co-curricular seminars to widen their skill and knowledge in engineering.

The Practice

Smart Boards:

Smart board is a combination of projector and a input based screen where the teachers can write/draw on the interactive screen which can be shared with the students via google meet and this provides a physical black board experience and serves very helpful in problematic subjects.

Creative Pen Tablet:

The Creative pen tablet is also a writing tool but is a compact and mobile element used to reflect the writings in the digital screen. This is a more feasible tool and provides a notebook writing-like experience to the teacher while still being on an online session.

Google Classroom (GCR):

- GCR is a Learning Management System that is diverse across all platforms such as a desktop PC, Laptop, Tablet, mobile etc which facilitated the teachers to handle the classes while being at home.
- It's a very easy to install and simple to use tool which requires just a Gmail account. The college has provided all its students and staff members with a official mail id which shall be used to access all the platforms related to academics.
- With this official mail id, the google meets can be recorded and shared with the students in GCR for the same learning experience during revision.

Delnet and NDLI:

- As the students won't be able to access the physical library books and also to give exposure to many other international books and journals for learning and research project purposes.

- The students and teachers can access the Delnet and NDLI platforms with the college mail id for free.

Animations, Videos and Models:

- Even before the pandemic breakout, it was a familiar practice in CARE to use videos and working models to induce the fine motor skills of the students in the learning process.
- This served very constructive during online classes as animations and videos of real-world context will provide a clearer idea to the students on the concepts rather than listening to the lectures with presentations.
- Using the video conferencing feature of google meet, the working models were demonstrated during online class to equip the students with a virtual hands-on experience.

Course era:

- Though the lesson plans and lecture sessions were scheduled perfectly before execution, the classes were limited to a maximum of 4 sessions a day instead 8 in the case of offline class.
- To suffice this deficiency, Course era shouldered the objective of providing a lot of options on online workshops and skill development courses based on the interest of the students.

Evidence of Success

- The performance of the students was consistent even upon the sudden implementation of the online teaching and the students could easily adapt to the ICT tools used by the teachers as it increased the easiness of learning the concepts.
- Many students actively participated in Course-era and excelled in the respective courses with certificates and this improved their skill set on a huge margin.
- The animation, videos and Model explanation was very efficient as every student had an individual screen and a close-up viewing experience.
- The recording facility in the google meet provided by the official mail id facilitated the students to review back to the lectures and seminars in its original form.
- The online tools paved a successful platform for the students and teachers to interact with eminent engineering personals and the college alumni and this would have taken a much more effort to achieve in offline mode.
- The google classroom ensured the availability of prominent study materials and reduced the use of papers for the physical copies on a huge extent.
- Even upon the end of pandemic, the experience in usage of these ICT tools will elevate the learning experience to the next level when this is indulged in the offline learning mode.

Problems Encountered and Resources Required

- **SESSION TIMINGS**: As the students had to view the computer display consistently for hours throughout the lectures, the total session per day had to be reduced to 5 in the place of 8 in offline mode class to reduce the eye strain of the students. This infused a pressure on the teacher to cover all the topics in a shorter span of time by revising the course file contents.
- **COST OF HANDLING:** As the use of online tools costs the respective internet and gadget charges to the teachers, the teachers were advised to come to college and make use of the facilities in the campus. The list of gadgets requested by the teachers to handle various subjects depending

on its nature were provided by the college management along with the required internet access to all the mobiles and computers of the teachers.

File Description	Document
Link for Best practices in the Institutional web site	[View Document](#)
Link for any other relevant information	[View Document](#)

7.3 Institutional Distinctiveness

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

Response:

DISTRIBUTIVE LEADERSHIP AND INCLUSIVENESS

CARE always believes in distributive leadership as it helps the organization to move faster and smarter in the rapidly changing environments. Its salient advantages are as follows:

- More people will get the opportunity in the decision-making process.
- People with good Talent and Knowledge can be identified.
- Accountability is there down and across the organization.
- Helps in faster and smarter iterative improvements in the organization.
- leads to autonomy, increased productivity, innovation and effectiveness.

CARE has different administrative groups headed by a senior or an ambitious faculty as mentioned below:

- The academics responsibility lies with the all the Heads of the departments and respective faculty members.
- The Student Support and Progress is ensured by the Training and Placement cell team lead by Mr.P.Selvakumar, Asst.Prof., Department of ECE.
- The Research and Development is headed by Dr.J.Jeyarani, HoD,ECE.
- The institute-industry partnership is done by the IIPC team coordinated by Mr.S.Karthick, Asst.Prof., Department of Mechanical Engineering.
- The Alumni engagement and follow up is done by a team headed by Mr.G.Vengatesan, Head of Science and Humanities department.
- The Admission Cell strategy planning is headed by Dr.D.Sugumar, Department of MBA
- The admission process is managed by Mr.S.Sriram Sundar, Department of ECE.
- The club activities and extension activities in the name of Life@CARE is coordinated by Mr.R.Saravanan, Department of EEE.

With the involvement of all the above-mentioned coordinators and the respective supporting staff members, **Leadership meet** is being conducted every year for Goal setting and to succeed as per the

roadmap of the organization.

The success of the institution is predominantly governed by the practice followed in six area namely

- Academics, Research and Development (R&D)
- Industry Institute Partnership Cell (IIPC)
- Training and Placement Cell (T&P)
- Alumni Connect and Admission Cell.

ACADEMICS:

- The academics and other departmental routines are taken care by the respective department heads. They have the liberty to plan their budget and operate finances accordingly.
- HoDs plan for departmental activities in every semester and every year and ensure the academic and overall progress of the students and department faculty.

R&D:

- The Research Coordinator conducts a periodical meeting with the coordinators from all departments to ensure the paper publications in international conferences and reputed journals.
- Continuous follow up is made to submit proposals for getting Research Grants, Travel Grants, Modernization of Labs and conducting Seminars or Conferences etc.

IIPC:

- The IIPC connects the faculty and students with industry to bridge the skill gap.
- The Cell makes a memorandum of understanding with many industries through which many workshops and other training are being carried out.
- Internships are being arranged for all students depending on the field of interest through this IIPC.

T&P Cell:

- The Training and Placement Team headed by Placement officer plans and prepares the training schedule for all the students.
- The effectiveness of the training is followed by the placement coordinator in each department. The placement team contacts the recruiters and schedules the interview process.
- The T&P team makes close monitoring of students in each step of the recruitment process to ascertain the success of the students.
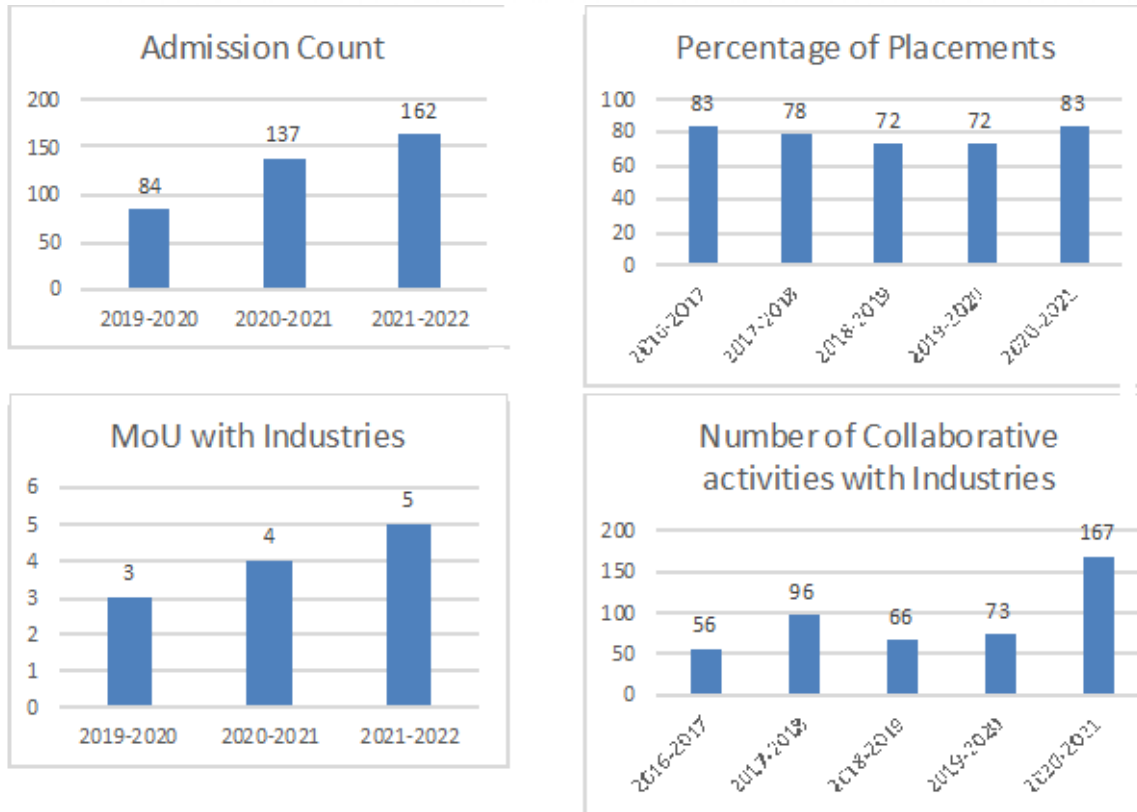
CARE ALUMNI:

- The alumni coordinator in each department and the respective HoD keeps in touch with the Alumni. Invitations are sent for all the institutional/departmental celebrations.
- The Alumni are very much helpful in guiding their juniors in employment preparations. Guest lectures are also given by the Alumni in the latest technologies.

ADMISSION CELL:

- The admission team in discussion with Management and Principal decides the strategic plan, budget, tasks and action plan.
- The sequence of works is well planned before execution. Training is given to a second set of people for student counseling and admission conversion.
- Admin team is made ready for process follow up once the admission is confirmed.

EVIDENCE OF SUCCESS

Admission Count

Year	Count
2019-2020	84
2020-2021	137
2021-2022	162

Percentage of Placements

Year	Percentage
2016-2017	83
2017-2018	78
2018-2019	72
2019-2020	72
2020-2021	83

MoU with Industries

Year	Count
2019-2020	3
2020-2021	4
2021-2022	5

Number of Collaborative activities with Industries

Year	Count
2016-2017	56
2017-2018	96
2018-2019	66
2019-2020	73
2020-2021	167

THE CHALLENGE AND THE REMEDY:

- In spite of individual control of all the aforesaid cells, a few problems may arise due to sudden occurrences of activities which may intervene with the workflow of the rest of the area.
- All these activities are well scheduled in advance to overcome this risk of hindrance between various area and substitutional plans are also taken instantaneously by the respective head in charge for seamless workflow.
- This prevents the time delay in getting approval for every action from the management.

- We share a common storage drive and schedule calendar in our intranet to be aware of the subsequent team activities and plan accordingly.
- This ensures a rational use of all the resources available in the institution by every team for its progressive development towards the vision and mission of the college.

File Description	Document
Link for appropriate web in the Institutional website	View Document
Link for any other relevant information	View Document

5. CONCLUSION

Additional Information :

Established in 2009 with 4 UG and 2 PG courses CARE has a remarkable journey of 14 years and today it is one of the best Engineering colleges in Trichy offering value based education. At present, there are 5 undergraduate and 4 post-graduate courses. CARE College of Engineering consistently improved its quality in education and submitting the present SSR for the first cycle of accreditation by NAAC. The college has followed some best practices and it has also established many distinctive practices as routine. Some of the noteworthy practices are listed below: We have our own Course file method for Teaching Learning Process system and encouraging the usage of ICT tools in classroom. Special importance is provided for handling online classes effectively through various online teaching tools during these pandemic situations with a strong academic system. CARE introduced IQAC cell to improve quality in teaching learning process and to create lively environment for interaction, intellectual discussions, continued learning, knowledge improvement of academics. Internal auditing with a team is being done to address the problems related to Teaching Learning as key concerns.

CARE college of Engineering takes utmost care in planning all the activities to be student-centric and properly focused to give utmost satisfaction to all the stakeholders. We have highly qualified team of Faculties who are self-motivated and putting efforts to attain outcomes that are stated in the curricula. The college has introduced many value added and certificate courses as per the local and global trends as well as to bridge the gap between industry-institution. The College has facilities for advanced research in all disciplines with well equipped laboratories and infrastructure facilities. The college maintains an active alumni association to nurture the bond with them and the alumni are currently working in leading positions in various multinational companies.

Concluding Remarks :

The College has "Transform Lives through Education & Research" as its vision by providing world class technical education with strong ethical values. The ethical value system envisioned by the College is reflected in all the processes of distributing management seats to meritorious and economically deserving candidates from the society. Over the years, the Institute has consciously improved the academic processes through the identified functional areas. This incremental improvement happened in the areas of teaching and learning, research and industry interface, Student activities and modernizing the administration through Internet and Intranet applications. CARE has predominantly moved from teaching institution to value based learning, which results in more student's placements in recent years. The students are receiving industry relevant skill-based education with the objective to meet the rising demand in IT sector and related companies. Research Incubation Centers have been set up for undertaking theoretical and applied interdisciplinary research for both students and faculty. CARE is successfully conducting FDPs and establishing collaborations with Industries like Siemens centre of excellence, Tesla minds etc., wherein students get the opportunity to keep themselves abreast of the latest trends in the various sectors viz, manufacturing and production, RF and Microwaves, artificial intelligence, data analysis, etc through Add-on-Courses. Numerous renowned companies visit the College annually and a large number of our students find placements with them. Our NSS students are trained to be of assistance to the country in any National Emergency. The college is proud of many of its alumnae who have made a mark for themselves in various spheres of academics, media, journalism, politics, public services, business entrepreneurship, and corporate industry. CARE always believes in distributive leadership as it helps the organization to move faster and smarter in the rapidly changing environments. The success of the institution

is predominantly governed by the practice followed in six areas namely Academics, Research and Development (R&D), Industry Institute Partnership Cell (IIPC), Training and Placement Cell (T&P), Alumni Connect and Admission Cell with the involvement of the respective coordinators and the respective supporting staff members.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification
1.1.3	**Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years** 1. **Academic council/BoS of Affiliating university** 2. **Setting of question papers for UG/PG programs** 3. **Design and Development of Curriculum for Add on/ certificate/ Diploma Courses** 4. **Assessment /evaluation process of the affiliating University** Answer before DVV Verification : A. All of the above Answer After DVV Verification: B. Any 3 of the above
1.2.1	**Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented** 1.2.1.1. **Number of Programmes in which CBCS / Elective course system implemented.** Answer before DVV Verification : 8 Answer after DVV Verification: 8
1.2.2	**Number of Add on /Certificate programs offered during the last five years** 1.2.2.1. **How many Add on /Certificate programs are offered within the last 5 years.** Answer before DVV Verification: 	2020-21	2019-20	2018-19	2017-18	2016-17
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14	13	12	9	10 | Answer After DVV Verification : | 2020-21	2019-20	2018-19	2017-18	2016-17
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11	10	3	2	2	 Remark : As per the data provided by the HEI
1.2.3	**Average percentage of students enrolled in Certificate/ 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 Add-on programs year wise during last five years** Answer before DVV Verification: 	2020-21	2019-20	2018-19	2017-18	2016-17
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259	298	317	400	421	

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
259	298	317	400	421

1.3.2	**Average percentage of courses that include experiential learning through project work/field work/internship during last five years**
	1.3.2.1. Number of courses that include experiential learning through project work/field work/internship year-wise during last five years
	Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
243	241	239	229	233

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
243	241	239	229	233

1.3.3	**Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year**
	1.3.3.1. Number of students undertaking project work/field work / internships
	Answer before DVV Verification : 279
	Answer after DVV Verification: 279

1.4.1	*Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders*
	1) Students
	2)Teachers
	3)Employers
	4)Alumni
	Answer before DVV Verification : A. All of the above
	Answer After DVV Verification: A. All of the above

1.4.2	**Feedback process of the Institution may be classified as follows:**
	Options:
	1. **Feedback collected, analysed and action taken and feedback available on website**
	2. **Feedback collected, analysed and action has been taken**

3. **Feedback collected and analysed**
4. **Feedback collected**
5. **Feedback not collected**

Answer before DVV Verification : A. Feedback collected, analysed and action taken and feedback available on website

Answer After DVV Verification: A. Feedback collected, analysed and action taken and feedback available on website

| 2.1.1 | **Average Enrolment percentage (Average of last five years)** |

2.1.1.1. **Number of students admitted year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
173	82	96	122	138

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
173	82	96	122	138

2.1.1.2. **Number of sanctioned seats year wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
312	327	456	456	474

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
312	327	456	456	474

| 2.1.2 | **Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)** |

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
164	75	93	112	133

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
164	75	91	112	133

	Remark : As per HEI clarification
2.3.3	**Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)** 2.3.3.1. Number of mentors Answer before DVV Verification : 66 Answer after DVV Verification: 66
2.4.2	**Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)** 2.4.2.1. **Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years** Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
18	12	10	6	5

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
18	12	10	6	5

2.4.3	**Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)** 2.4.3.1. **Total experience of full-time teachers** Answer before DVV Verification : 290 Answer after DVV Verification: 227.8 Remark : As per the data provided by the HEI
2.6.3	**Average pass percentage of Students during last five years** 2.6.3.1. **Number of final year students who passed the university examination year-wise during the last five years** Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
102	43	81	133	187

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
97	43	81	133	187

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
102	133	170	226	277

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
102	137	169	224	272

3.1.1

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

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	17.5

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	17.5

3.1.2

Percentage of teachers recognized as research guides (latest completed academic year)

3.1.2.1. Number of teachers recognized as research guides
Answer before DVV Verification : 5
Answer after DVV Verification: 5

3.1.3

Percentage of departments having Research projects funded by government and non government agencies during the last five years

3.1.3.1. Number of departments having Research projects funded by government and non-government agencies during the last five years

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	1

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	1

3.1.3.2. **Number of departments offering academic programes**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
5	5	5	5	5

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
5	5	5	5	5

3.2.2	**Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years** 3.2.2.1. **Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years** Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
3	4	3	2	3

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
3	4	3	2	3

3.3.1	**Number of Ph.Ds registered per eligible teacher during the last five years** 3.3.1.1. **How many Ph.Ds registered per eligible teacher within last five years** Answer before DVV Verification : 0 3.3.1.2. **Number of teachers recognized as guides during the last five years** Answer before DVV Verification : 6 Answer after DVV Verification: 6

3.3.2	**Number of research papers per teachers in the Journals notified on UGC website during the last five years** 3.3.2.1. **Number of research papers in the Journals notified on UGC website during the last five years.** Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
7	7	17	5	0

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
7	7	17	5	0

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

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
11	2	8	6	0

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
3	2	5	0	0

Remark : As per the data provided by the HEI

3.4.2 | **Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years**

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
1	1	1	1	1

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	1

3.4.3 | **Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
6	5	3	5	10

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
4	1	0	0	0

Remark : As per the data provided by the HEI

3.4.4	**Average percentage of students participating in extension activities at 3.4.3. above during last five years** 3.4.4.1. **Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years** Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
31	119	67	122	168

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
3	50	0	0	0

Remark : As per the data provided by the HEI

3.5.1	**Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year** 3.5.1.1. **Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years** Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
194	108	78	88	74

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
34	34	22	23	13

Remark : As per the data provided by the HEI

3.5.2	**Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years** 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** Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
4	3	0	0	0

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
4	3	0	0	0

4.1.3	**Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.** *(Data for the latest completed academic year)* 4.1.3.1. Number of classrooms and seminar halls with ICT facilities Answer before DVV Verification : 23 Answer after DVV Verification: 23

4.1.4	**Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)** 4.1.4.1. **Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)** Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
2.01	5.03	3.03	4.12	18.23

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0.09	2.18	0	0	14.06

4.2.2	**The institution has subscription for the following e-resources** 1. **e-journals** 2. **e-ShodhSindhu** 3. **Shodhganga Membership** 4. **e-books** 5. **Databases** 6. **Remote access to e-resources** Answer before DVV Verification : A. Any 4 or more of the above

	Answer After DVV Verification: A. Any 4 or more of the above	
4.2.3	**Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)**	

4.2.3.1. Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
1.92	2.85	3.03	4.12	3.24

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
1.92	2.85	3.03	4.12	3.24

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

4.2.4.1. Number of teachers and students using library per day over last one year
Answer before DVV Verification : 256
Answer after DVV Verification: 256

4.3.3	**Bandwidth of internet connection in the Institution**	

Answer before DVV Verification : A. ?50 MBPS
Answer After DVV Verification: A. ?50 MBPS

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

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
164.11	310.98	305.25	412.59	403.93

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
164.11	310.98	305.25	412.59	403.93

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

5.1.1.1. Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
254	263	373	474	587

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
254	263	373	474	587

5.1.2	**Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years**

5.1.2.1. Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
141	144	86	44	7

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
141	144	86	44	7

5.1.3	**Capacity building and skills enhancement initiatives taken by the institution include the following**

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

Answer before DVV Verification : A. All of the above
Answer After DVV Verification: A. All of the above

5.1.4	**Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years**

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

Answer before DVV Verification:

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2020-21	2019-20	2018-19	2017-18	2016-17
298	151	225	172	181

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
298	151	225	172	181

5.1.5	**The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases** 1. **Implementation of guidelines of statutory/regulatory bodies** 2. **Organisation wide awareness and undertakings on policies with zero tolerance** 3. **Mechanisms for submission of online/offline students' grievances** 4. **Timely redressal of the grievances through appropriate committees** Answer before DVV Verification : A. All of the above Answer After DVV Verification: A. All of the above
5.2.1	**Average percentage of placement of outgoing students during the last five years** 5.2.1.1. **Number of outgoing students placed year - wise during the last five years.** Answer before DVV Verification: <table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>86</td><td>36</td><td>62</td><td>110</td><td>145</td></tr></table> Answer After DVV Verification : <table><tr><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td></tr><tr><td>86</td><td>36</td><td>62</td><td>110</td><td>145</td></tr></table>
5.2.2	**Average percentage of students progressing to higher education during the last five years** 5.2.2.1. **Number of outgoing student progression to higher education during last five years** Answer before DVV Verification : 21 Answer after DVV Verification: 21
5.2.3	**Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)** 5.2.3.1. **Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, *etc.*)) year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
2	0	0	0	0

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
2	0	0	0	0

5.2.3.2. **Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
5	1	8	0	0

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
4	1	7	0	0

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
4	12	11	7	2

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
3	2	4	3	0

Remark : As per the data provided by the HEI

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

5.3.3.1. **Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
34	38	24	31	16

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
2	3	3	2	1

Remark : As per the data provided by the HEI

5.4.2	**Alumni contribution during the last five years (INR in lakhs)** Answer before DVV Verification : A. ? 5 Lakhs Answer After DVV Verification: A. ? 5 Lakhs
6.2.3	**Implementation of e-governance in areas of operation** 1. **Administration** 2. **Finance and Accounts** 3. **Student Admission and Support** 4. **Examination** Answer before DVV Verification : A. All of the above Answer After DVV Verification: A. All of the above Remark : As per the data provided by the HEI

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

6.3.2.1. **Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**
Answer before DVV Verification: |

2020-21	2019-20	2018-19	2017-18	2016-17
26	16	57	84	13

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
26	16	57	84	13

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 Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
5	5	6	6	5

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
5	5	6	6	5

| 6.3.4 | **Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).** |

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
41	38	66	91	27

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
41	22	66	91	13

Remark : As per the data provided by the HEI

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

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
0.98	0.79	1.39	1.43	1.45

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
0.098	1.0355	1.4215	1.3364	1.3202

6.5.3	**Quality assurance initiatives of the institution include:** 1. **Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements** 2. **Collaborative quality intitiatives with other institution(s)** 3. **Participation in NIRF** 4. **any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)** Answer before DVV Verification : A. All of the above Answer After DVV Verification: B. 3 of the above
7.1.2	**The Institution has facilities for alternate sources of energy and energy conservation measures** 1. **Solar energy** 2. **Biogas plant** 3. **Wheeling to the Grid** 4. **Sensor-based energy conservation** 5. **Use of LED bulbs/ power efficient equipment** Answer before DVV Verification : A. 4 or All of the above Answer After DVV Verification: B. 3 of the above
7.1.4	**Water conservation facilities available in the Institution:** 1. **Rain water harvesting** 2. **Borewell /Open well recharge** 3. **Construction of tanks and bunds** 4. **Waste water recycling** 5. **Maintenance of water bodies and distribution system in the campus** Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: A. Any 4 or all of the above
7.1.5	**Green campus initiatives include:** 1. **Restricted entry of automobiles** 2. **Use of Bicycles/ Battery powered vehicles** 3. **Pedestrian Friendly pathways** 4. **Ban on use of Plastic** 5. **landscaping with trees and plants** Answer before DVV Verification : A. Any 4 or All of the above Answer After DVV Verification: A. Any 4 or All of the above
7.1.6	**Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:** 1. **Green audit** 2. **Energy audit**

	3. **Environment audit** 4. **Clean and green campus recognitions / awards** 5. **Beyond the campus environmental promotion activities** Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: A. Any 4 or all of the above
7.1.7	**The Institution has disabled-friendly, barrier free environment** 1. **Built environment with ramps/lifts for easy access to classrooms.** 2. **Divyangjan friendly washrooms** 3. **Signage including tactile path, lights, display boards and signposts** 4. **Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment** 5. **Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading** Answer before DVV Verification : A. Any 4 or all of the above Answer After DVV Verification: A. Any 4 or all of the above
7.1.10	**The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.** 1. **The Code of Conduct is displayed on the website** 2. **There is a committee to monitor adherence to the Code of Conduct** 3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff** 4. **Annual awareness programmes on Code of Conduct are organized** Answer before DVV Verification : A. All of the above Answer After DVV Verification: B. 3 of the above

2.Extended Profile Deviations

ID	Extended Questions
1.1	**Number of courses offered by the Institution across all programs during the last five years** Answer before DVV Verification: 	2020-21	2019-20	2018-19	2017-18	2016-17
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337	327	323	324	327 | Answer After DVV Verification: | 2020-21	2019-20	2018-19	2017-18	2016-17
---	---	---	---	---
335	325	323	324	327	
1.2	**Number of programs offered year-wise for last five years** Answer before DVV Verification: 	2020-21	2019-20	2018-19	2017-18	2016-17	

8	7	7	7	7

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
8	8	7	7	9

2.1	**Number of students year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
332	335	423	576	731

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
332	334	422	575	723

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
215	226	315	315	327

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
215	226	315	315	327

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
102	43	81	133	187

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
102	137	169	224	272

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17

| 66 | 66 | 66 | 91 | 90 |

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
66	66	66	91	90

3.2	**Number of sanctioned posts year-wise during last five years**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
66	66	66	91	91

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
53	55	61	90	90

4.1	**Total number of classrooms and seminar halls**
	Answer before DVV Verification : 31
	Answer after DVV Verification : 23

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
166.12	316.01	308.28	416.71	422.16

Answer After DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
166.12	316.01	308.28	416.71	422.16

4.3	**Number of Computers**
	Answer before DVV Verification : 390
	Answer after DVV Verification : 390

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