SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

GNANAMANI COLLEGE OF TECHNOLOGY

NH-7, A.K.SAMUTHIRAM, PACHAL PO, NAMAKKAL (DT)
637018
www.gct.org.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Gnanamani College of Technology is one of the pioneer self-financing institutions in Tamil Nadu. The college was established in the year 2006. The college is run by the two legendary academicians Dr.T.Arangannal- a Rashtria Vidya Puraskar Awardee for his outstanding achievement in the field of education and a recipient of Doctorate from the University of Srilanka for his consummate services to education and Mrs.P.Malaleena. These two legends have been the constant support and encouragement for the institution. The college is accredited by NAAC & NBA. Our college is approved by AICTE and affiliated to Anna University, Chennai.

The current intake of the college is 1080 students admitted into 13 programmes at the undergraduate level and with an intake of 268 students for the 9 courses offered at the post-graduate level. There are 4 seminar halls. The state- of- the- art library provides a novel elegance to the campus and has more than 36306 books and 101 printed journals, 1000 plus e-journals and 5000 plus e-books. The college has the conducive environment for the students to groom themselves along with the top class professional education.

The college has a well-equipped Computer Centre with internet connectivity of 70 Mbps. The entire college is networked with Wi-Fi facility. It is provided to each student and staff member with each user id and password. A separate hostel facility is available for both boys and girls students in the college campus. The college offers an excellent transport facility for students and staff by plying a fleet of buses with logistics. We are proud to say that our 4 of UG programmes have been accredited by NBA. Our college is most sought- after institution in the zone.

Vision

The College was established with a **VISION and MISSION "Emerging as a technical institution of high standard and excellence to produce quality Engineers, Researchers, Administrators and Entrepreneurs with ethical and moral values to contribute the sustainable development of the society".**

Mission

MISSION

- To have in-depth domain knowledge with analytical and practical skills in cutting edge technology by imparting quality technical education.
- To be industry ready and multi-skilled personalities to transfer technology to industries and rural areas by creating interests among students in Research and Development and Entrepreneurship.

Keeping the vision and mission statements as the guiding criteria, the Institution is striving constantly and consistently with its dedicated and sincere faculty members to provide quality education to the students. Students are encouraged to attend various co-curricular activities like seminars, workshops, participation in

National level Hackathons and competitions. Our institution has entered into MOUs with various leading industries in order to impart industrial exposure to the students. Leading experts are invited from the industries and share their experiences to the students through the invited guest lectures. Various programs under the Entrepreneurship Development Cell (EDC) are conducted to expose the students to know the scopes available to them to become entrepreneurs – a major need in today's economic scenario. As part of the Institution effort to equip the students to offer ethically and environmentally relevant solutions, the students are encouraged to participate actively in NSS, YRC, and Women Empowerment Cell. Programs are arranged that effectively sensitize the students to concentrate on societal problems. Towards preparing the students to refrain from thinking uni-dimensionally but think globally they are mentored to participate in multidisciplinary projects at the National level. These activities apart from allowing the students to think out of the box which enhances their social skills and develops them into a team player – a necessary skill in today's corporate world. These sorts of activities will surely exhort the students to be more socially responsible and allow them to face any challenges coming ahead of them in near future.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Faculty

Faculty retention ratio of a group of well-qualified faculty members is one of the major strengths of our institution. Their exposure towards research combined with a congenial work environment facilitates them to showcase their excellence and meet the requirements of the quality policy of the institution. The support extended by the faculty members to undertake new challenges is noteworthy.

Beyond Syllabus teaching

Bridge courses, Value added Training programs, invited lectures, NPTEL courses, specific programs to facilitate obtaining certification etc. are some of the "Beyond Syllabus Teaching" methods adopted to complement with the curriculum prescribed by Anna University.

Placements

Placement cell is one of the boost factors to the students. The aim of the cell is to improve the personality and communication skills of the students to get placed in leading MNCs. Many of our students are placed in top-notch companies every year by the rigorous training of the cell. Students' specific interest is identified in their pre-final year accordingly training is given according to their interest in the specific field.

Quality Intake

Our institution strictly follows the admission norms set by Anna University. Our admission intakes steadily increase every year as the students opt our institution because of the quality norms maintaining in the admission procedures. Meritorious students are preferred to make admission in our institution in the zone.

Discipline and Reputation

The institution has set down certain rules and regulations that are applicable equally to the students as well as to

the staff members. Every student and staff is required to observe discipline and decorum. The rules and regulations cover dress code, time management, restrictions on mobile phones usage, zero tolerance towards ragging etc., The reputation of the institution is amply reflected in the students admission, placements, research activities, funded projects, corporate perception etc.

Social activities through Students

Various in-house programs are conducted to create awareness on social responsibility among the students. The proof that such an awareness is firmly entrenched in the students' mind to instill the social responsibility.

Institutional Weakness

- **Rural background of students and economical status of the family**

The students from a rural background and economically weaker section of the society form the major part of our stakeholders and help the institution in fulfilling its dream of reaching affordable technical education to all levels of people. However, these students require more time to adapt with their peer members. This causes to set a new mind-set to the faculty members to adapt to the students. Due to their poor economical family condition, they are not able to afford for availing the hostel facility. Such students are also not able to find adequate time for their next day class activities and they could not find time for their part-time jobs related to their studies. So that, a section of students tends to discontinue their studies and go to find a job to meet the livelihood of their family.

Challenges of Transportation to the students in rural areas

Vast majority of the students come to college from remote villages. Buses are operated to the interior villages for the benefit of our rural students. The roads in the villages are not in accessible ways to pick up and drop off the students in time. This becomes a challenging task to the institution as well as students. It is difficult too for the faculty members to conduct the evening classes for those students.

- **Difficulty in Engineering Admission**

Namakkal is considered as one of the educational hubs in Tamil Nadu. There are so many autonomous engineering colleges in and around Namakkal district. Our institution strives hard to bring a lot of students from rural background with affordable fee structure comparing to the nearby autonomous institutions. It has become a challenge for the management to meet out all the requirements of the students with the collected fees amount. At the same time, the management sanctions fee concession to the deserving rural students to get their education and employed in leading firms.

Institutional Opportunity

Industries opportunities in the district

It is known fact that the district is emerging as a hub for many industries. A lot of new industries are established in the district that leads to cater the employment opportunists of technocrats. Our students are getting a lot of chances to train themselves in the industries and get ready-handed practical exposure through the various training given by the industrial experts. These kinds of practical exposures pave the ways to the students and strengthen them to face the future challenges and make them to be technocrats/entrenepreneurs.

Creating multiple opportunities for the students and staff members

Earlier the corporates were looking for graduates with just fundamental knowledge in relevant subjects to be hired and trained on the work spot. But in these days they expect the candidates to be industry ready to jump into the actual job after the barest of company related training. We view this significant change in the hiring pattern as an opportunity to motivate students to acquire additional job-related and value added certifications, participation in national level coding hackathons to make themselves capable of delivering their assignments under extreme time constraints and participate in the multidisciplinary industry projects that would enable them round off their overall technical capability and convert themselves into good leaders/team players.

Inculcating the Moral and Ethical Values in Students

Students are imparted to adapt the moral and ethical values throughout their life. The college sets itself a very high benchmark to follow in its day-to-day activities especially with regard to moral and ethical values. This creates the right opportunity for the institution to expect its faculty and students to exhibit an equally high, if not higher, standard of ethical and moral values. Honesty, integrity, transparency, mutual respect, commitment to public and social causes is some of the values that are practiced by the institution in order to improve the standard of our students and maintain the decorum of our institution.

Institutional Challenge

Amendments in Educational Policy

It is indeed a challenge to meet the expectations of both the AICTE and the University despite their various amendments in their respective policy. Be it infrastructural or faculty or equipment requirements, it has become mandatory to adapt the new amendments for the betterment of students and faculty members.

Meeting the demand of Industries

There exists a gap between corporate expectations and academic grooming of the students. Bridging the gap and creating corporate ready students is the challenge of the day. Invited lectures to the students by experts from the Industry help them that there is a need to adapt and groom themselves to become industry ready. Constant industry academia interactions facilitate in making the faculty aware of the current industry expectations and thus become capable of converting a raw engineering graduate into an industry ready potential employee. Internships and summer training in an industrial unit facilitate students to appreciate the changes in

the environs – from a learning environment to a working environment.

Overcoming the Weaknesses

Every one of the weakness listed above in reality is a challenge for which the college has to find suitable solutions without compromising on their ethical values. Working on the maxim of "Necessity is the mother of invention" the college puts in continuous efforts to convert the weaknesses into challenges first, opportunities and then finally into success journey.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The college is affiliated to Anna University, Chennai. Detailed curriculum and academic schedule are provided by the University. Two IQAC meetings (Internal Quality Assurance Cell) are conducted each semester, during which the steps for effective implementation of the curriculum are planned and the gap if any in the curriculum is identified and approved. The details regarding the gaps identified are informed to the University through a letter by the Head of the institution. The institution calendar is framed with reference to the Anna University Curriculum and IQAC .The department calendar is framed based on the institution calendar. The gap is filled by conducting various seminars, workshops etc. According to this the faculty members are advised to prepare their action plans. The time table is prepared for all the classes and the allocation of subjects for all the courses in the respective program is allotted based on the specialization of the faculty. Various pedagogical methods are implemented by the faculty members to enhance effective teaching learning process. To attain effective course delivery, course file is prepared for each course by the faculty of all the programs. The course file includes the Syllabus, Course Objectives, Course Outcomes, CO-PO mapping, Content beyond Syllabus, Time table, Lesson plan, Course materials, Tutorial sheet, Assignment and Course completion status. The faculty members update their knowledge by attending Workshops, Faculty Development Programs, Orientation Programs, Conferences and Seminars organized by various colleges. To improve students' technical knowledge, various resource persons from industries are invited to conduct guest lectures, special talks and seminars. Industrial Visit, field visits, workshops, seminars, guest lectures, and hands on training are implemented regularly to enhance the teaching learning processes. The study materials for each course are uploaded in Gnan Resource Centre (GRC) from which the students can download their study materials. We have a well equipped Central Library with open access and the departments have their departmental libraries for the benefit of the students. E-books and e- journals facilities are available for staff members and students.

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, Chennai. Admission done by Government of Tamil Nadu, through Anna University counseling based on students cut-off marks, for Govt. Quota. For management quota, admission is based on the merit list prepared by the Consortium of Self Financing Engineering Colleges. The newly admitted students are refreshed through Bridge courses on English, Maths, Physics and Chemistry. Their communication skills & Programming skills are also developed by bridge courses. The learning levels of the students are assessed by internal assessment tests during their course of study and special value added courses are offered to various categories of the students. They are also encouraged to participate in the national competitions & events to prove their fine mettle. A well planned series of Skill Development 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 and advanced technologies by the faculty members of all departments improves the effective teaching learning process. Constant monitoring, support and counseling 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 assessment tests and analysis of the performance of the students in the IAT tests 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 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 lecture 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.

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 hub, with five departments being recognized as research centers by Anna University. Faculty members are encouraged to enroll for research programmes. Apart from consistently producing doctorates, a good number of funded research projects have been undertaken. 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 international establishments and various Software Excellence centers have benefitted students and faculty of all departments, encouraging new product development and patenting through IPR (Intellectual Property Rights).

Entrepreneurship Development Cell (EDC) regularly conducts startup ventures to encourage the students and make them be self-employed. Interdisciplinary projects have encouraged collaborative learning and have helped the students to tap the best of Industrial Automation and compete in automotive events.. Competitive learning is also encouraged through inter-college AICTE sponsored events like e- Yantra, Smart India Hackathon etc. Internships are arranged for students through the Internshala initiative of AICTE to provide professional grooming. Holistic development of students have been ensured through their enrollment in units like National Service Scheme(NSS), Youth Red Cross(YRC), Red Ribbon Club(RRC), Women Empowerment cell etc. 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 those who complete their 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.

The campus is located in a beautiful & tranquil location and is easily accessible. The institution has more than adequate physical facilities for meeting the curricular, co-curricular and extracurricular 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 established in the vantage point 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, Databases, Magazines, coupled with a Book Bank facility. Exclusive sports facilities including fields for football, cricket, basketball, athletic track are made accessible to the students. There are indoor facilities for Table Tennis, Shuttle, Ball badminton, Kho-Kho, Carrom, Chess and Board games. A Gymnasium is also available. 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 canteens are available for students. Firefighting 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. Solar Power Plants to promote green energy and to reduce carbon emission.

Student Support and Progression

Gnanamani College of Technology has students from various disciplines and constitutes students' participation committee. It endeavors to take advantage of every opportunity to create and sustain an environment that nurtures life in its fullness, for every member of its community and set it on the path of excellence. The Student Participation Committee believes that progress is possible only with the involvement of all the stakeholders in the institute such as the students, the staff, the faculty and the management. This association includes the representative body of students along with members from management, administration, faculty members and staff members. The student body is formed with the class representatives from every class. There are one student coordinator and two assistant coordinators one male and one female, who are elected or selected by the students of every class Student coordinators are members of the disciplinary committee and the core committee of the college association. Thus, they, on behalf of the whole student community take part in the decision making and sets of co-curricular and extracurricular clubs of the institution plays a decisive role in the planning and execution of the club activities. Every club has its own student executive body which functions under the guidance of faculty members as faculty advisor and club mentor. Review on the students' performance, academic plan, execution of every subject in a semester and steps for further enhancement is conducted. Alumni Association Interaction between the Alumni and the present students are made to make a mutually beneficial. NSS is actively functioning in the campus to find the needs of the community and students are involved in problem solving activities, thereby inculcating a sense of social and civic responsibility among them. Activity Clubs create interest in both technical and nontechnical activities of the students and promoting their latent skills necessary for the society. Students are encouraged to participate in Spoken Tutorials, NPTEL

online courses and certification programs.

Governance, Leadership and Management

The Philanthropic Founder and Chairman, Dr.T.Arangannal has the deep vision of serving the society with the motto **"Education is the foundation upon which we build our future".** His vision has been the heritage statement for the functioning of the institution. The Chief Administrative Officer is the learned academician in guiding the administration of the institution and making the council of principal, faculty and students towards the vision of the institute. Based on the recommendations of the Governing Council, the commencement of new courses, expansion of infrastructure, implementation of strategy and other vital decisions are approved by the Chairman and peer team, implementation process discussed with the Principal and Heads of the departments for execution. The top management headed by the Chairman, Chairperson, Chief Administrative Officer, Principal and Vice Principal ensure that periodical meetings of the Governing Council are conducted to monitor the progress. The college delegates authority and provides operational autonomy other departments/ units of the institution and work towards decentralized governance system. 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.

Institutional Values and Best Practices

The slow Learners are identified at the beginning of academic session. The institution conducts remedial classes for them in different subjects to enhance their confidence skills and competence. Tracking the progress of students are done through Assignments, Define Tests, Internal Tests, Model Exams and Counseling. To enhance the performance of rural students' communication skills training is imparted for getting placements in top MNCs. The students are motivated to learn language with a varied range of vocabulary. Testing knowledge as well as skill based exams is conducted to improve the concept learning. The students are trained to gain adequate skills related to their subject. So that the slow learners also participate in placement. The coaching classes for the slow learners are conducted from the first year onwards. As a beginning of the process domain wise guest lectures are arranged for the slow learners to improve their knowledge. At the end of the course the students' performance are evaluated in the internal tests. The list of improved students is prepared and recommended to the next level. The identified students are given special coaching to concentrate on their toughest subjects. Experienced faculty members are assigned to the students and monitor them closely, and teach them important chapters on the subjects. A set of important questions are given to the students and they prepare the questions thoroughly ahead of the University examination. The faculty members conduct special tests for the students from the identified important questions and students' answer scripts are evaluated within two days of the examination. Then the students' performances are evaluated once again through the periodic tests and their concentration is significantly improved after that. Apart from the regular working hours, special time is scheduled for the slow learners and drilling is given to them. At the end of the semester examinations,

students are able to score more marks in the university examinations. Through such special coaching slow learners are become average learners and their confidence level is also increased.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	GNANAMANI COLLEGE OF TECHNOLOGY
Address	NH-7, A.K.Samuthiram, Pachal PO, Namakkal (Dt)
City	Namakkal
State	Tamil Nadu
Pin	637018
Website	www.gct.org.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	T.K.Kannan	04286-7598293888	9944492300	04286-293888	principal@gct.org.in
IQAC / CIQA coordinator	R.C.Karpagalakshmi	-	9442895577	-	iqac@gct.org.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minroity institution	Yes Minority proof fin.pdf
If Yes, Specify minority status	
Religious	Christian Educational Development Trust
Linguistic	
Any Other	

Establishment Details	
Date of establishment of the college	14-07-2006

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	24-09-2010	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	27-07-2020	12	

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

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

Location and Area of Campus				
Campus Type	**Address**	**Location***	**Campus Area in Acres**	**Built up Area in sq.mts.**
Main campus area	NH-7, A.K.Samuthiram, Pachal PO, Namakkal (Dt)	Rural	22.4	30715

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	**Name of Programme/Course**	**Duration in Months**	**Entry Qualification**	**Medium of Instruction**	**Sanctioned Strength**	**No.of Students Admitted**
UG	BE,Civil Engineering	48	HIGHER SECONDARY	English	60	0
UG	BE,Computer Science And Engineering	48	HIGHER SECONDARY	English	120	119
UG	BE,Electrical And Electronics Engineering	48	HIGHER SECONDARY	English	120	29
UG	BE,Electronics And Communication Engineering	48	HIGHER SECONDARY	English	120	37
UG	BE,Mechanical Engineering	48	HIGHER SECONDARY	English	120	70
UG	BTech,Food Technology	48	HIGHER SECONDARY	English	60	33

UG	BE,Biomedical Engineering	48	HIGHER SECONDARY	English	120	119
UG	BTech,Chemical Engineering	48	HIGHER SECONDARY	English	60	18
UG	BE,Agriculture Engineering	48	HIGHER SECONDARY	English	60	55
UG	BTech,Bio Technology	48	HIGHER SECONDARY	English	60	52
UG	BTech,Pharmaceutical Technology	48	HIGHER SECONDARY	English	60	60
UG	BE,Robotics And Automation	48	HIGHER SECONDARY	English	60	0
UG	BTech,Artificial Intelligence And Data Science	48	HIGHER SECONDARY	English	60	31
PG	ME,Civil Engineering	24	UG	English	24	21
PG	ME,Civil Engineering	24	UG	English	24	15
PG	ME,Computer Science And Engineering	24	UG	English	24	17
PG	ME,Electrical And Electronics Engineering	24	UG	English	24	10
PG	ME,Electrical And Electronics Engineering	24	UG	English	24	20
PG	ME,Electronics And Com	24	UG	English	24	3

	munication Engineering					
PG	ME,Mechanical Engineering	24	UG	English	24	8
PG	MCA,Master Of Computer Applications	24	UG	English	60	8
PG	MBA,Master Of Business Administration	24	UG	English	60	21
Doctoral (Ph.D)	PhD or DPhil,Electrical And Electronics Engineering	72	PG	English	16	2
Doctoral (Ph.D)	PhD or DPhil,Electronics And Communication Engineering	72	PG	English	16	0
Doctoral (Ph.D)	PhD or DPhil,Mechanical Engineering	72	PG	English	16	1
Doctoral (Ph.D)	PhD or DPhil,Chemistry	72	PG	English	16	0

Position Details of Faculty & Staff in the College

Teaching Faculty											
	Professor				**Associate Professor**				**Assistant Professor**			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				38				76				232
Recruited	13	5	0	18	12	3	0	15	150	82	0	232
Yet to Recruit				20				61				0
Sanctioned by the Management/Society or Other Authorized Bodies				20				61				80
Recruited	0	0	0	0	0	0	0	0	58	22	0	80
Yet to Recruit				20				61				0

Non-Teaching Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				16
Recruited	13	3	0	16
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Technical Staff				
	Male	**Female**	**Others**	**Total**
Sanctioned by the UGC /University State Government				41
Recruited	35	6	0	41
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	0	0	0	0
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/ LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	12	5	0	5	1	0	2	0	0	25
M.Phil.	0	0	0	3	0	0	38	29	0	70
PG	0	0	0	4	1	0	169	75	0	249
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/M CH	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/M CH	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	238	112	0	0	350
	Female	283	2	0	0	285
	Others	0	0	0	0	0
PG	Male	58	0	0	0	58
	Female	59	0	0	0	59
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	1	0	0	0	1
	Female	1	0	0	0	1
	Others	0	0	0	0	0

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	79	251	302	283
	Female	62	160	135	134
	Others	0	0	0	0
ST	Male	21	42	47	51
	Female	7	17	19	6
	Others	0	0	0	0
OBC	Male	137	233	314	316
	Female	62	114	112	121
	Others	0	0	0	0
General	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Others	Male	46	26	23	61
	Female	6	3	2	5
	Others	0	0	0	0
Total		420	846	954	977

Extended Profile

1 Program

1.1

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

2019-20	2018-19	2017-18	2016-17	2015-16
884	820	820	765	765

File Description	Document
Institutional data prescribed format	View Document

1.2

Number of programs offered year-wise for last five years

2019-20	2018-19	2017-18	2016-17	2015-16
26	26	19	17	17

2 Students

2.1

Number of students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
2552	3037	2949	2566	2222

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

2019-20	2018-19	2017-18	2016-17	2015-16
595	719	731	731	731

File Description	Document
Institutional data in prescribed format	View Document

2.3

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

2019-20	2018-19	2017-18	2016-17	2015-16
754	698	638	505	549
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

2019-20	2018-19	2017-18	2016-17	2015-16
155	196	254	246	234
File Description		Document		
Institutional data in prescribed format		View Document		

3.2

Number of sanctioned posts year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
155	196	254	246	234
File Description		Document		
Institutional data in prescribed format		View Document		

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 68

4.2

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

2019-20	2018-19	2017-18	2016-17	2015-16
990.55	885.84	631.71	520.57	468.78

4.3

Number of Computers

Response: 550

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

The college is affiliated to Anna University, Chennai. The detailed curriculum and academic schedule of the University are followed. Four IQAC meetings (Internal Quality Assurance Cell) and one academic council meeting per year are conducted. In which the steps for effective implementation of the curriculum are planned and the gap if any in the curriculum is identified and approved. The details regarding the gaps identified are communicated to the University through a letter by the Head of the Institution. The gap is filled by conducting various seminars, workshops, etc. The faculty members are advised to prepare their action plans based on feedback from stack holder meeting and advisory commitee meetinf etc..,.

The Department Assessment Committee members analyze the curriculum gap if any based on the mapping of COs with POs & PSOs of all subjects and also considering the feedback received from internal and external stakeholders. Identified curricular gaps are referred to the Department Advisory Committee and then its suggestions and guidelines are followed to implement the content beyond the syllabus to bridge the gap by the department in order to attain POs and PSOs.

The institution calendar is framed with reference to the Anna University Academic schedule. The department-wise calendar is framed based on the institution calendar. The timetable is prepared for all the classes and the allocation of subjects for all the courses in the respective program is planned based on the regulation of Anna University. Classes are engaged as per the timetable.

Lesson plan, Course file, Delivery plan are prepared based on Outcome Based Education (OBE) by the faculty of respective programs. The course file includes the syllabus, course objectives, course outcomes, COs-POs mapping, and content beyond syllabus, time table, lesson plan, course materials, tutorial sheet, assignment, and course completion status. The faculty members update their knowledge by attending workshops, FDPs, orientation programs, conferences, and seminars organized by various colleges.

To improve students' technical knowledge, various resource persons from industries are invited to conduct guest lectures, special talks, and seminars. Various Add-on Certificate Programmes are also conducted to enhance the practical knowledge of the students. In order to improve students' competency, classes on Soft Skills Training, Maths Aptitude, etc are conducted for all the programs. Industrial visits, field visits, workshops, seminars, guest lectures, and hands-on training are implemented regularly to enhance the teaching-learning processes.

Various curriculums related pedagogical methods are implemented by the faculty members to enhance effective teaching-learning process. The study materials for each course are uploaded in Gnan Resource

Centre (GRC) in which the students can download their study materials. A well-equipped Central Library with open access system and all departments have their departmental libraries too for the benefit of students and faculty members. E-books and e-journals facilities are also available for them. The college has registered for NPTEL (National Program on Technology Enhanced Learning) where students can access e-learning through online video courses for various streams.

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:

Department academic calendar is prepared based on college academic calendar and the university academic schedule. The same is approved by the Principal and then subject allocation and other responsibilities are allotted based on the faculty specialization in the department meeting. As per the department academic calendar, activities are planned and conducted to improve the quality of teaching and learning process.

The department Academic Calendar which includes the detail schedule of all activities, such as internal assessment tests, guest lectures, conferences, symposium, workshops, etc.

We adopt various reforms in Continuous Internal Evaluation to make the assessment system more transparent. As the institute is affiliated to Anna University, Chennai. We follow the regulation of the university with reforms for the benefit of students. Three Internal Assessment Tests (IAT) are conducted for every academic course in each semester. The Internal Assessment Test schedules are communicated to students and faculty in the beginning of the semester through the college academic calendar which is prepared based on the university academic calendar. The Internal exam time table is also displayed on the notice board a week before the commencement of the exam.

The syllabus for the Continuous Internal Assessment is fixed as Unit I & Unit II for the IAT-I and Unit III & Unit IV for the IAT-II and all 5 units are covered for IAT -III for all the programs to enable students to revise all the topics of the syllabus. Internal Assessment Examination question papers are set from the previous semester university question papers and the question bank. It adheres to Anna University standard and follows the Bloom's Taxonomy through which COs are attained. Unit wise question banks are provided to the students for all the subjects including two mark questions with answers.

Internal Assessment Exam Question paper is prepared by the faculty concerned and the same is verified by the Course Coordinator under the guidance of Head of the Department. Department's internal exam coordinator ensures the smooth conduct of the test and valuation of internal exam answer booklets are done with key and scheme of valuation approved by the HOD. Answer scripts are evaluated by the subject handling faculty and the same is returned to students on the third day from the completion of exam. The prepared the answer key / Scheme of evaluation are documented with a copy of sample question paper

for the future reference.

All faculty and the students are instructed to adhere the Department's calendar which is prepared before the starting of each semester. This adherence of the calendar ensures all the activities planned in the starting of semester are completed as per the date or not. If the department activities are not conducted as per the academic plan, the proper reason will be mentioned and followed that the alternative date of the programme to be conducted will also be mentioned.

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: D. Any 1 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: 53.85

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

Response: 14

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](#)

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

Response: 138

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

2019-20	2018-19	2017-18	2016-17	2015-16
27	27	28	28	28

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: 16.36

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

2019-20	2018-19	2017-18	2016-17	2015-16
543	456	430	390	350

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:

Various committees are formed to ensure safe and healthy environment to our students irrespective of gender so that students understand the importance of gender equality, respect the human values, and maintain ethics in their profession.

(i) Women Empowerment Cell (Gender Equality):

Women Empowerment Cell empowers girl students to enhance understanding of issues related to women and with a view to take up women's issues and problems, the cell creates awareness of their rights and duties and it suggest ways to improve and empower themselves. Aiming at intellectual and social upliftment of the female students, the cell facilitates many guest lectures, seminars, awareness programs and welfare activities.

Women Grievances Committee:

Women grievances committee is constituted all with the women faculty members and female-student representatives from each class of all the programs. Being a ragging free campus, we ensure that there is no case of incidence like eve-teasing, sexual harassment against girl students. The committee members interacts with the students regularly to ensure this and make a note of cases if any

We have the following facilities for the welfare of our women's faculty and girls students:

1. **Girls common room**
2. **Separate Counseling for Girls**
3. **Medical emergency**
4. **CCTV**

Environment and Sustainability

To integrate the cross-cutting issues relevant to environment and sustainability, all programs have a compulsory course on Environmental Science and Engineering in curriculum. For example, in Civil Engineering Program, students learn Environmental Engineering I and II, Water Resources and Irrigation Engineering as core subjects and elective courses like Air Pollution Management, Municipal Solid Waste Management.

Various awareness programmes like Swachh Bharat, Avoiding Plastics, and Blood Donation Camps are also organized regularly by our NSS and YRC Units to improve their preparation skills and ability to engage in independent and life-long learning.

Human Rights

To integrate human rights into curriculum, Anna University offers Human Rights course as an elective, our institute follows a transparent system of administration. Committees like SC/ST, Anti-Ragging deals issues regarding any ragging related misconduct. The SC/ST committee conducts meeting with students and informs their rights and benefits in the society.

Professional Ethics:

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

File Description	Document
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: 2.35

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

2019-20	2018-19	2017-18	2016-17	2015-16
19	19	19	19	19

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: 61.72

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

Response: 1575

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: 71.57

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

2019-20	2018-19	2017-18	2016-17	2015-16
408	806	892	859	728

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

2019-20	2018-19	2017-18	2016-17	2015-16
864	1044	1062	1062	1062

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: 59.83

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

2019-20	2018-19	2017-18	2016-17	2015-16
326	442	483	469	385

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:

The learning level of the students will be assessed and enhanced to get the good results and Placements in top MNCs. To improve their academic performance, everyday defined tests are conducted to all the students of all the departments from first year to final year. In each semester internal assessment tests are conducted to award internal marks. The students who have scored 55% marks in the internal tests and less than 3 arrears in the previous semester results are considered as advanced learners and rest are considered as slow learners.

Special programs for advanced learners

The following activities are conducted to improve their performance level.

To improve their communication and technical skills, separate modules are designed by the training and placement cell.

In each department different clubs are formed to develop their skills in the core areas. Students are encouraged to organize as well as to participate the programmes like symposium, Conference, Workshop, Seminars to gain the knowledge. In each department mini projects are developed by the team of students with the help of the department faculty. Industrial visits and Internship training opportunities are provided for the students through the respective department coordinators.

Higher Education Cell organizes the various programmes to motivate the students for clearing the competitive examinations.

Entrepreneurship cell guide the students to become a good entrepreneur by the programmes.

In addition to the academic activities the students are motivated to participate in different services like NSS, YRC and RRC to develop their social responsibilities and help the rural areas.

Special programs for slow learners

To get the good results counseling is given to all the slow learners in each department. Mentors are deputed for every 20 students to establish the good relationships with each student and motivate them personally.

To improve their performance parents' meetings are regularly conducted in each department. Remedial

classes are conducted with important previous year university questions. Re-internal tests are conducted for the slow learners to increase their internal assessment marks.

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: 16.46

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:

Student-centric learning is supported by creating a learning atmosphere which allows the students to think in different way to respond and ask questions.

Students are grouped into advanced learners and slow learners in each class and monitored by subject faculties and mentor where they can share ideas and clarification for their development.

Students are forming a group to implement their ideas t hrough mini projects and final year projects. Apart from this students were motivated to join online courses like webinar, NPTEL etc

An internship is the best way to translate the classroom knowledge into practice. By doing an internship, the students will gain experience, learn new skills, add value and earn real experience for their career prospects. So students are motivated to attend internship and industrial visit.

Industry visit is a part of the Education, so group of students are motivated to visit companies and get insight into the internal working environment of the company. Moreover, it gives exposure to the practical working environment, which increases functional awareness of the various Industrial sectors.

Club activities supplement student academics and give them practical training which they require in their day to day life and enhance their talents.

Experiential learning:

In the laboratory, while conducting lab experiments faculty members explaining the concepts of the experiments and also the working principles of the equipment and the parameters. In addition to that content beyond experiments also explained to the students to know about real time concept.

During the industrial visits, internship and workshops the students will learn the processes which are related to the theory subjects.

During the mini-project and projects, the students are experimentally learning the objectives of the project, its process and the concept behind its working.

ICT enabled teaching includes Wi-Fi enabled class rooms with LCD, Language Lab, Smart Class rooms, E-learning resources. The institution adopts modern pedagogy in line with emerging trends to enhance teaching-learning process. The institution has the essential equipment's to support the faculty members and students.

Participative learning and problem solving methodologies:

The Student seminars are organized where in the papers is presented by students on various topics to enrich their learning experience.

The faculty members make learning interactive with students by motivating student participation in group discussion, role-play, subject quiz, discussion and questions and answers on current affairs.

Assignments are given to the students in the regular subject topics. In that the

Students can work to solve problems with different methodologies and find the best method to solve the problems. This group actually makes the students to learn by participating and problem solving methods

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:

Teaching, learning and assessment strategies of the institution are continually reviewed.

The implementation of ICT enabled tools for effective teaching-learning process includes:

- Value Added Courses
- MOOC - Swayam lectures
- Animations, FDP, GL, Seminars, Symposium and Workshop.
- LCD Projectors.
- Digitalized Library.
- The Research Labs.
- Explanation of problems with the practical applications.
- Pre-placement training mainly soft skills and aptitudes based.
- Motivation towards research for students.
- Encouraging students to do mini projects in the concerned subjects.
- Theoretical concepts explain through video lessons, PPTs, e-lessons and Lab experiments.
- Counseling of the students as well as faculty depends upon the evaluation of results.

Innovative and creativity methods have been adapted in the teaching-learning process to the students to enhance the learning capabilities and also increasing the knowledge. The innovative teaching is done by using the ICT tools in the class room teaching, conducting webinars, and NPTEL videos etc.

The learning materials for every course are available in the content server of the college which can be accessed by the students through the intranet facilities. Course materials, question banks, PPTs and lab manuals are periodically uploaded in the Intranet portal GRC (Gnanamani Resource Centre - http://193.193.193.193/grc/logingrc.aspx) to develop the students self-learning by all the subject teachers.

Each department is provided with LCD projector, computer with LAN and internet connection in the seminar hall. Faculty can use the seminar hall for teaching and they can also use black board . One can access the database of digital library, NPTEL videos and other internet facilities which consist of course material, recorded video lectures and animations. Faculty and Students can access the journal resources.

Concept oriented activities are planned in the classroom with the participation of the students. Entrepreneurship Development Cell (EDC) arranges talks of inspiring entrepreneurs to make the students

understand the need of innovations and creativity in learning. Students are made compulsory to prepare the case studies on different types of entrepreneurs such as male, female and social entrepreneurs. This helps them to understand the attributes of entrepreneurship. Students' team undertakes innovation projects during the course.

NPTEL videos, e-books, web links and teachers design role-play based assignments to enhance learning of students.

Field trips, Industrial visits, Implant training, National and international seminars are organized based on the content of the subjects of the department.

Industry visits are arranged to provide the students hands on experience in their field and to update them with the current technology. Through these site visits, students understand the practicality and implementation of the concepts studied by them. Students undergo in-plant training in industries and present case-studies in their domain.

A web link is provided to the students for giving feedback on the faculties. Student gives feedback on the ongoing subject wise lecture sessions. This feedback will enable the faculty to know the effectiveness of his teaching on lecture basis and helps to improve his performance. Alumni survey, Employer survey etc. are conducted to know about the innovative and creativity learning in the institute.

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: 15:1

2.3.3.1 Number of mentors

Response: 172

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

2.4 Teacher Profile and Quality

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

Response: 100

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

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

Response: 14.34

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**

2019-20	2018-19	2017-18	2016-17	2015-16
32	31	31	22	33

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)	View Document
Any additional information	View Document

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: 4.23

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

Response: 656

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

2.5 Evaluation Process and Reforms

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

Response:

We follow Continuous Internal Evaluation to make assessment system more transparent. The institute is affiliated to Anna University Chennai, so it follows the regulation of the university for the benefit of students. Two Internal Assessment Tests (IAT) and one model exam are conducted during each semester. Internal Assessment Test schedules are communicated to students and faculty in the beginning of the semester through Institute academic calendar based on the university academic calendar. The Internal exam time table is also displayed on the notice board before a week from the commencement of the exam.

IAT Syllabus & Question Pattern:

The syllabus for the Continuous Internal Assessment is that Unit I & Unit II for the IAT-I and Unit III & Unit IV for the IAT-II. All 5 units are covered for Model examination for all the programmes to enable students to revise all the topics of the syllabus. Internal Assessment Examination question papers are framed from the previous semester university question papers and the question bank. It adheres to AU standard and follows Bloom's Taxonomy through which Cos are attained. Unit wise question banks are provided to the students for all the subjects including two mark questions with answers.

IAT Exam Question paper is prepared by the faculty and verified by the Course Coordinator under the guidance of HOD. Answer scripts are evaluated by the subject handling faculty and returned to students on the third day from the completion of exam. Faculty prepares the answer key.

- Define tests are commonly conducted for an hour to make students preparing for the Internal Assessment Exam.
- Assignments are given to students from the content beyond syllabus to bridge the curriculum gap.
- Fast learners and slow learners are divided into two separate groups for the improvement of their learning capacity and result, for enabling them to perform well.
- Fast learners are motivated to attend Seminar, Workshop, and presentation in other Institutions to enhance their technical skills.
- Slow learners are given coaching and tutorial classes in evenings to clearly understand the concepts of the particular course.
- The Institute has given the opportunity to enhance the learning environment of students through smart class rooms, Gnanamani Resource center (GRC) etc.,
- Retests and coaching classes are conducted for absentees and failures in the IAT.
- Tutorial classes are conducted for all the subjects to clarify doubts and for re-explaining critical

topics.

- Internal Tests' performance of students is intimated to the parents within a week through letter and SMS. Parent Teacher Meeting is conducted once in a semester to discuss the performance of their ward.
- Students are encouraged to improve their performance in future through mentoring system. Each faculty member, as Mentor, is allocated 20 students under their counseling. The Mentors sort out the personal issues, academic and non-academic problems of their Mentees and provide counseling and guidance.
- Student's feedback about the course is obtained through class committee meeting thrice in a semester and remedial measures are taken for improvement.

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:

Grievances redressing cell helps the students to approach for general and personal grievances. The committee comprises the Principal, Dean, Academic co-ordinator and the Head of the Departments.

Methods of grievances:

The student can express the grievance in the following ways.

1. Interacting with their mentor

2. Feedback through internet

3. Class committee meeting

4. Suggestion box

5. Feedback by parents.

Each faculty member acts as a mentor for 15 to 20 students. The mentor and the mentee meeting is compulsorily conducted once in a week. One C/L/S (Counseling/ Library/Seminar) hour per week is allotted in the time table itself. So students can meet their mentor and convey their grievance to them.

After completion of each examination, feedback form in the prescribed format is sent to the student's

email ID.

The grievances pertaining to the internal examinations are collected from the following activities.

- Class committee meeting is conducted thrice in a semester. The meeting is attended by the HOD , Chairperson, and Class advisor, Subject handling staff, Class representatives and selected students from the particular section.
- Chair person may be a Senior Professor / HOD from any other department.
- The class representatives and students who participate in the meeting give their suggestions / feedback regarding the regular classes and facilities.
- The chairperson and the HOD raise question about the academic activities and discipline issue towards students. The important points and decisions are noted by the class advisor for further follow-ups.
- At the end of the meeting, the chairperson / HOD ask for grievance if any from students and then he / she provides suggestions for various academic activities.
- All the points are recorded in the minutes of the meeting and then it is forwarded to the Principal for further action.

- Suggestion boxes are available in vantage point of the institution. Students can drop their suggestions as letters into the box. The same will be checked frequently by the Principal office members.

- Parents of the students meet the faculty and the Head of the department periodically. At that time the grievances of the students are conveyed to the higher authorities through their parents.
- Phone numbers of the Head of the Department is given to the students and the parents. Hence they can convey their wards' grievances to the authorities directly.

University level

Students can apply for photocopies of evaluated answer scripts and apply for revaluation of end semester examination to the university. The University provides the photocopy of answer scripts to students after paying the due fee. After receiving own photocopy of answer-sheet if student wants he/she can apply for reassessment of answer script. If the student is not satisfied with the second valuation, he can apply challenging valuation.

An aggrieved student who has the grievance(s) shall make an application to the university through the principal of the college. The principal, after verifying the facts, shall forward it to the concerned section of the university. The university redresses all such grievances within a reasonable time of application.

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 institute is affiliated to Anna University, Chennai. The Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are well defined and stated in the University Curriculum for the regulations (R-2008, R-2009, R-2013 & R-2017). POs, PSOs and COs are framed by considering Vision and Mission statement of the college and the syllabus content. COs and POs are framed by the Head of the department, subject handling faculty and subject experts. Assessment committee meetings are conducted at regular intervals and the institute assists the faculty members to achieve these objectives by proper continuous supporting systems. This helps to understand the course outcomes easily.

The COs is also dictated to the students while dictating the syllabus in the class and also presents in the continuous internal examination question papers. Hence the student can very well aware of the COs of the each subject.

The POs, PSOs and COs are made available in the course file prepared by the faculty member. While mapping with POs and PSOs faculty can clearly understand the course outcomes. Accordingly he or she can prepare the lesson plan too etc.

Institute takes due care for informing POs, PSOs and COs to all the stake-holders. POs, PSOs and COs for all programs and courses offered by the institution that are displayed in the institute website for reference of all stakeholders.

All the planning and execution are directed towards meeting these objectives in faculty meetings.

The program outcomes and program specific outcomes are achieved through a curriculum that

offers a number of courses. Each course has defined course outcomes that are linked to the program outcome, program specific outcomes and a set of performance criteria that are used to provide quantitative measurement of how well course outcomes are achieved.

The course outcomes are thus directly and quantitatively assessed, and are linked to the program outcomes and program specific outcomes. Therefore if the course outcomes are attained, we increase the course outcome attainment level. The course outcomes of each course are mapped to the Program Outcomes with a level of emphasis being High level correlated (3), Medium level correlated (2) and low level correlated (1).

Projects are reviewed by Senior Faculty members to oversee whether they are in tune with the learning outcomes. The importance of employability is insisted upon as one of the main learning outcomes. Faculty members write COs of their respective course and refer them while executing the course plan.

Faculty members refer the syllabus to understand POs and COs thoroughly before delivering the courses to the students. Reviews of these POs and COs are taken by the stakeholders and suggestions are discussed in meetings. Revisions are done wherever if required.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	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:

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

Attainment of Course outcomes:

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

1. Internal Assessment Marks

2. End Semester University Examination Results

The internal assessment mark for the theory is the average of the three internal assessment examinations and for laboratory average mark of records and one model practical examination. Project work is evaluated by conducting three review sessions.

The course outcomes are framed by the respective faculty members and HOD with the help of an expert.

Subject wise CO attainment level is calculated by adding 20% of the final internal assessment attainment level and with 80% of end semester examination attainment level for each subject. Thus, the average percentage of students attaining the entire COs decides the CO attainment level.

Anna University Grade Points as follow

Grade	Grade points	Mark Range
S	10	91-100
A	9	81-90
B	8	71-80
C	7	61-70
D	6	57-60

E	5	50-55
U	0	<50
W	0	-

Attainment Level Students pass percentage marks level for (Internal & End semester examination)

Attainment Level = 1, if 50% of students secured more than 50% Marks

Attainment Level = 2, if 60% of students secured more than 50% Marks

Attainment Level = 3, if 70% of students secured more than 50% Marks

Attainment of Programme outcomes, &Programme specific outcomes:

Attainment of PO and PSO are calculated by the following tools:

Direct Method

Theory Courses

Internal Assessment Test conduct as thrice per Semester, assessed by Respective Faculty Members and reviewed by HOD.

University Examination conduct as Once Per Semester, assessed by External Examiner and reviewed by Anna University

Laboratory

Record Mark and Model Practical conduct as Once Per Semester Assessed by Respective Faculty Member Reviewed by HOD

University Examination conduct as Once Per Semester, assessed by Internal / External Examiner and reviewed by Anna University

Exit Survey

The exit survey consists of questionnaires and feedback formats for the final year students. The feedback from the students are collected by the faculty and assessed by Head of the Department and Principal for continuous improvement.

Alumni Survey

The Alumni survey consists of questionnaires and feedback formats for the alumni students. The feedbacks from the students are collected by the faculty and assessed by Head of the Department and Principal for continuous improvement.

Employer Survey

The Employer survey consists of questionnaires and feedback from the Company/Industry authority. The feedback are collected by the Coordinator and assessed by Head of the Department and Principal for continuous improvement.

Indirect Attainment

Indirect attainment is found from student exit survey about the programme and is conducted by providing POs and PSOs as questionnaires to the outgoing students by giving four grade points as Excellent –4, Good – 3, Average – 2, Poor - 1. Total weightage and maximum weightage is calculated for each PO and PSO.

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: 80.49

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

2019-20	2018-19	2017-18	2016-17	2015-16
733	409	448	443	487

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

2019-20	2018-19	2017-18	2016-17	2015-16
754	698	638	505	549

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: 3.89

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

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

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

Response: 0

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)**

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

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: 6.45

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

Response: 10

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: 2.5

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

2019-20	2018-19	2017-18	2016-17	2015-16
1	0	0	0	0

3.1.3.2 **Number of departments offering academic programes**

2019-20	2018-19	2017-18	2016-17	2015-16
8	8	8	8	8

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:

Response: YES.

Gnanamani College of Technology has an Ecosystem for Innovations including Incubation Center, Research and Development Centers and other initiatives for creation and Transfer of knowledge. The academic and research expertise of GCT contribute effectively to the Innovation Ecosystem through practices of cutting edge technology, suggestion for solving critical problems and by motivating the student community to become Entrepreneurs.

GREATi (Gnanamani Rural Entrepreneurship And Technology Incubator)

Gnanamani Incubation centre aims to nurture future Technopreneurs and encourage creative ideas. This centre is for promoting entrepreneurship by facilitating technology innovators to create products or services and providing the resources required to go to market with their innovation.

Objective:

- To create an innovative mind in the students

- To create entrepreneurial eco system in the district
- Connecting stakeholders who help creating enterprise
- To develop business incubators

Entrepreneurship Development Cell:

Entrepreneurship Development Cell at Gnanamani College of Technology wishes to inculcate and enrich the entrepreneurial environment by creating successful entrepreneurs and giving them a huge platform to perform. Their innovative ideas are nurtured by connecting them to the business incubation centre which is established in our institute. The prime objective of this programme is to create awareness among the students about the various facets of entrepreneurship and become successful entrepreneurs.

Research & Development Centres:

Gnanamani College of Technology has Anna University approved Research and Development centres for four technical departments through which the students and faculty can carry out their project and research activities.

R&D recognized Department	Anna University approval code	
Computer Science and Engineering	4262406	
Electronics and Communication Engineering	4262407	
Electrical and Electronics Engineering	4262408	
Mechanical Engineering	4262417	
Chemistry Department	4262404	

Gnan Central Library:

Gnanamani College of Technology houses a central library in its campus with a total of around 20000 volumes of technical books, magazines and journals. The digital library also helps in providing students to access scientific and research data over the world wide web.

Gnan Resource Centre (GRC): The educational institution management software includes a set of tools which modernizes the campus along with upgrading the planning and management of processes related to students Course Materials. Gnanamani College of Technology has an exclusive web site named Gnan Resource Centre where students leverage intranet using LAN, to download the study materials uploaded by each and every subject-faculty from all the departments. Thus, it helps them to utilise the materials, like Question Banks, Answer keys, and other exercises related to their respective subjects for every semester, to access rich online databases to accelerate the project completion and submissions on time.

WIFI facilities:

Gnanamani College of Technology provides a Wi-fi enabled Hi –tech campus to access rich online

databases. Students can quickly and easily share documents, edit presentations in real time, store project files in the cloud, and improve their teamwork skills. Wi-fi within the institution campus even allows students to collaborate with peers from other institutions. Approximately 102 Wi-fi devices are being utilised in the classrooms, library and hostels.

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: 23

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**

2019-20	2018-19	2017-18	2016-17	2015-16
8	2	4	3	6

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: 1.62

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

Response: 21

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

Response: 13

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

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

Response: 0.36

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

2019-20	2018-19	2017-18	2016-17	2015-16
19	48	4	3	4

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

3.3.3 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: 0.05

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**

2019-20	2018-19	2017-18	2016-17	2015-16
5	3	2	0	1

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:

RESPONSE : YES

The institution promotes college-neighborhood network community development by conducting regular activities in order to develop the social responsibilities in/among the students.

The volunteers of National Service Scheme (NSS) Units, Youth Red Cross Society (YRCS) and Red Ribbon Club (RRC), a wing of YRC of our institute take active participation in the community development activities. The following activities are being conducted regularly.

- NSS Special Camp and Village Adoption
- AIDS Awareness Program
- Tree Sapling(s) Plantation
- World Environment Day Celebration
- International Women's Day Celebration
- Swach Bharat Movement
- Women's Empowerment & Health Awareness
- National Voters Day Rally
- Blood Donation Camp
- Medical Camp
- NSS Day Celebration
- Eye Camp

Many special camps are conducted with the help of our volunteers of NSS units and YRC and non government organizations for the development of neighborhood network community.

The institute is aware of its role in campus cum community connections, well being of its neighborhood as well as build student's interest for service orientation and good citizenship.

Our institute has established a system of faculty members as mentors for each 20 students to track students' involvement in various social activities and keep records of their participation in such activities and counseling the students in various activities.

Further, at the end of the semester, such data is compiled at HODs level and in consultation with Principal they are awarded as best students by the Chairman in Annual Day Celebration.

The stake holders (students, faculty, parents, alumni, employers) interact with the institution through associated events like alumni meet, parents meet, students feedback, employers feedback and faculty feedback. This helps the institution to obtain their perceptions about overall performance and quality of the institution. The institute plans and organizes number of extension and outreach programs in neighborhood population. The service units NSS, YRC and RRC of the institute are very active in its activities.

The faculty /student coordinators of NSS and YRC carryout presentation to students on the benefit and scope of orientation program of newly admitted students. Information regarding proposed activities is notified through academic and hostel building on a regular basis. Every student encourages becoming a member of NSS/Societie activities. The institution sincerely practices Govt. social affirmative schemes for the development of under privile

Our college's NSS unit has been organizing programme in and outside the college for the benefit of nearby con given to differently- able students. The institute takes the help of elder and influential people like village head, ensure the involvement of local population in its community development activities. To win the confidence of loca various awareness programs like free healthcare camps, eye checkup camps, village cleaning drives and blood don

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: 3

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.**

2019-20	2018-19	2017-18	2016-17	2015-16
1	1	0	1	0

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: 52

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**

2019-20	2018-19	2017-18	2016-17	2015-16
10	11	11	10	10

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: 64.55

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**

2019-20	2018-19	2017-18	2016-17	2015-16
1915	1591	1901	1758	1385

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

3.5 Collaboration

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

Response: 0

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

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

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

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

Response: 43

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**

2019-20	2018-19	2017-18	2016-17	2015-16
10	18	12	3	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:

Physical Facilities

Gnanamani College of Technology has adequate infrastructural facilities for teaching-learning. Institution is spread out in 22.4 Acres of green-campus. The College has adequate number of ventilated Class Rooms, Tutorial Rooms, Smart-Class Rooms, Common Rooms, Laboratories, AC Computer Labs, Seminar Halls, Library, Research Centres, Rest Rooms, Staff Cabins, HOD Cabins and Department Library. The College has Placement Cell, Training Cell and Entrepreneurship Development Cell. Our college is having 64 class-rooms, 4 seminar halls, 65 laboratory, 2 drawing halls, 1 Computer Centre and 2 workshops.

(a) Classrooms

Gnanamani College of Technology has 30715 Sq.m built up area as per AICTE Norms. It has housed with 64 Class Rooms   (44 ICT Class rooms).

(b) Conference/Seminar Halls:

The College has 4 Seminar Halls with AC facilities, LCD Projection Systems, recording facility and Lecture Capturing facilities.

(c) Library:

The College has library with area of 1133 Sq.m, e-Governance facilities with good ambience for staff and students learning process. Library has 39119 printed as well as reference books, 42 International Journals, 135 National and 939 International e-journals, 5500 e-Book (free and purchased), 1140 back volumes, 320 project reports and 319 question bank. The library is automated using Integrated Library Management System (LIPS 5.0). Library is facilitated with IEEE, Springer, DELNET, NDLI, membership. Library has remote access to e-resources with a connectivity bandwidth of 70 Mbps. The working time of Library is from 8.30 AM to 10.00 PM. The Utility rate of the library per day is 17.33 %. The library can accommodate 132 members at a time. Digital Library facilitates viewing of e-content from portal of NPTEL / SWAYAM etc.,

(d) Laboratories:

The Institution has laboratories as per AICTE and Anna University Norms. The Institution has 65 laboratories**.** All the Laboratories are equipped with Safety Equipment such as Fire Extinguishers, "DO's and DON'Ts" Awareness Board, First Aid Box and Safety Precautions Board. List of experiments details and cost of each lab is explicitly illustrated in each laboratory. Each laboratory is maintained by faculty member and lab assistant.

(e) Computing Equipment:

The Institution has Computer Centers with 793 Computer systems. It maintains a student computer ratio of AICTE requirement. Each Department is facilitated with specialized computing machines such as CNC Machine. The institution is equipped with 125 Wi-Fi hot spots facility with a bandwidth of 70 Mbps. The College is provided with NPTEL Storage Server (1TB), Internet Firewall,Tally Server(1TB), Library Server(18TB), GRC Server(1TB), ERP Server(1TB)

(f) Transport facilities for field visits and industrial visits

Gnanamani provides transport facilities 46 buses for all major and minor locations within district and nearby district for student benefit.

(f) Other Facilities:

The Institution has exclusive well-ventilated hostel rooms attached with rest rooms/bath rooms for boys and girls separately. Institution provides hygienic and good quality food. The institution has medical Centre with doctors and nurses. The institution is provided with ambulance facility for medical emergency service. Institution provides canteen and stationery shops to facilitate the students.

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:

Gnanamani College of Technology encourages students to participate in various extra-curricular activities and provides facilities to take care of physical well-being and provide entertainment outlet. Our institution is facilitated with various indoor and outdoor games which provide students to enrich their sportsmanship. The Students can refresh themselves by utilizing the Gym facility.

Sports:

The Institution has a well-established play ground with an area of 37577.46 Sq.m. Institution has 3 male Physical Directors to train the boys and girls in sports. Every year, various sports events conducted in the sports day. Institution encourages our Students to participate in Sports & Games conducted in Colleges, Districts and State. Students and Physical Directors are encouraged to take activate participation in such sports competitions.

Games:

Institution has spacious outdoor game facility with an area of 37404.46 Sq.m. It has one Cricket ground with 26766 Sq.m area, one Volley Ball court with 390 Sq.m area, one Foot Ball court with 4952 Sq.m area, 1 Shuttle Badminton court with 879.66 Sq.m area, 1 Kho-Kho court with 518 Sq.m area and 1 Kabadi court with 348 Sq.m area.

Indoor games

The institution has fully competent and qualified Physical directors to train the students to participate in various events conducted by the State/University levels. The indoor stadium has good lighting facility.

Outdoor games

The institute has playground with a measure of 16,800 sq. meters to accommodate basketball court, throw ball court, football ground, cricket ground, Kabaddi court, handball court, hockey ground, volley ball ground and well laid 200 m standard track. Our students have bagged good winning records at inter – collegiate and 9 Zonal levels.

Power Gym:

For all-round development of the students, there is fully equipped gym - fitness zone containing all modern equipment. This area (comprising nearly 265 sq. meters) has a range of equipments like dumb bells, Steering plates, Biceps Steering plates, skipping ropes. The other equipment includes double bar, Back Hyper Extension, fore Arm extension, pull up stand, Bench press, Abs machine etc., The power gym facility is opened from 4AM to 7AM in the morning and 5PM to 9PM in the evening including on Sundays & holidays. Boxing training is also provided in the institution

Health care:

Medical facility is available in the campus for the benefit of the staff and students. A separate dispensary under the supervision of a qualified physician is exists in the campus.

Yoga:

The Yoga classes are conducted for students regularly through Physical Education hours. Yoga day is organized every year. All our faculties and students participate in this program. Students are encouraged to perform yoga during college cultural events.

Cultural Activities:

The institution has various cultural clubs namely Fine Arts Club, Science Club, Maths Club, and Literary Club. Cultural competitions are being held during Annual day. Students have participated in the inter-department level and inter college level competitions and won prizes laurels to the institution.

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: 70.59

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 48

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: 4.68

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

2019-20	2018-19	2017-18	2016-17	2015-16
82.41	16.84	12.48	20.57	34.08

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:

Institution Library is automated with Lips-iNet (Library Information Processing System-Dolphin Software) and barcode Technology. This is main software for library management, comprising wide data collection fields for book, Non book such as CD, DVD, Question paper, Project work, Periodicals & Back volumes etc, Members and category settings, Students book allocation setting, library access, book circulation, fine setting, etc are maintained, Contains a huge variety of report formats for books, members, staffs, Circulation , library resources etc.

Specification of the Software :

- **Name of the software : Lips-iNet** (Library Information Processing System- Dolphin Software)
- Nature of Automation : Fully Automated with Barcode
- Version   : 5.0
- Year of Automation   : 2008

Software Administration

- Create new user log-in, password and grant rights to access various modules
- Set overdue charge at various stages/holiday
- Back-up, export and import of data
- Update database using various fields
- Generate charts

1. **OPAC- (Online Public Access Catalogue)**

The facilities is provided with intranet connection, This is search module applicable for every library user. Contains a variety of search options such as

Simple Search - to search the database using important fields such as Accession number, Call Number, Author, Title, Edition, Year, Publisher, Subject, Keywords, Department, Availability, etc.

Advanced Search   – to search the database by selecting the desired field(s),criteria for search (starting with, anywhere(like), truncation, word), Boolean Operators(AND, OR, NOT) and sorting order from a list of fields and printing in various formats

 Using this software, library user can reserve a book.Librarian can view this in reports, when the reserved book is attempted to issue, the system gives a pop up message.

Stock Verification;

The software has separate module for taking annual stock of the materials available in the library. The materials already on circulation is generated by the software and shown separately. The available stocks can be brought to the system by means of barcode scanner andafter verification display of missing books is show separate column in the same screen.

The software provides effective control over periodicals like journals and magazine, master screenfor feeding all the relevant subscribed periodicals informationand key in the received periodicals in issue entries.

Non Book Materials:

The software generate auto number for each non-book materials 12 fields are arranged for data capturing ,CD accompanying books are entered in Link items by choosing the Acc No of the book

Report Management

This module is designed to generate and print a large number of reports such as: List of books by author, title, unique titles publisher, supplier, call number, subject, dept, accession number, date, book type and list of journals/publishers/suppliers/members, etc.

E-Gate (Electronics Gate)

This is used to track the entry and exit of students and staff into library . Supports barcode students are expected to swipe their roll no/ id card and their photo are displayed

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: 14.51

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)**

2019-20	2018-19	2017-18	2016-17	2015-16
10.91	16.32	14.89	15.06	15.35

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: 17.73

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

Response: 480

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 learning materials for every course are available in the content server of the college which can be accessed by the students through the intranet facilities. Course materials, question bank, PPT and lab manuals are periodically uploaded in the Intranet portal GRC (Gnanamani Resource Centre (Static IP) - http://193.193.193.193/grc/logingrc.aspx) to develop the students self-learning.
- 125 Wi-Fi routers enhance the utility of internet and intranet facilities to the students and staff

round the clock at the speed of 70 mbps.

- The library subscribes number of printed journals and magazines related to each programmer of science and technology which the students may easily access. OPAC (Online Public Access Catalog - http://192.168.77.250/DOLPHINOPAC/) allows the users to browse the abstract of entire library collections via intra net facilities.

- The digital library (http://192.168.77.52) provide local IP based facility to access e-resources (SPRINGER, DELNEL, NDL) intranet facility which is often used by the students and staff to access various e-materials like journals, e-books, videos and conference proceedings for their self-development.

- The Sodhganga provides for research students to deposit their Ph.D thesis through their concern universities.

- Students are encouraged to attend Massive Open Online Courses (MOOC). Expert video lectures delivered by the various eminent resource persons are readily available in the digital library and it facilitates the faculty and students to utilize NPTEL lectures (https://nptel.ac.in/) and SWAYAM lectures (https://swayam.gov.in/courses/public) to enhance their knowledge.

- The college upgraded the internet speed regularly based on requirements. All the computers of the institution are enabled with LAN connection. The total bandwidth is divided for all the computers through LAN and also through Wi-Fi hotspots. Eight Wi-Fi access points have been installed at various places.

- Initially we have totally 793 computers with configuration of Intel Core2Duo/2.80GHZ/4GB RAM/160 GB SATA HDD/ Intel Onboard E'Net. All the staff members are having unique Mahindra domain user-name and password for storing their data. We are having separate team called IT Help Desk to troubleshoot all IT related issues.

- Institute frequently updates all the open-source software like Scilab, GCC, maxima, etc., as per AICTE guidelines.

- College ICT facilities like LCD projector, desktop recorder, mics, audio systems, etc., are updated frequently.

- The scanners, printers, photo copier (Xerox) facility is available for students and faculty members. Institution is under the cover of CCTV surveillance.

- Online Exam management system is used in the exam cell as per Anna university norms.

- IT infrastructure facilitates are audited every year and internal audit report is prepared to include the amount required to updated IT facilities in the next academic year budget.

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: 4.64

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: E. < 05 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: 14.13

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)**

2019-20	2018-19	2017-18	2016-17	2015-16
187.67	147.8	123.20	39.41	37.16

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:

Infrastructure

To ensure the adequacy of the infrastructure including land, buildings, equipment, computer hardware and software, the norms of the statutory bodies like UGC, AICTE and Anna University with regard to resource requirements are adhered as it is. The masonry and plumbing works are done with local skilled persons through our Estate office. College account section is maintaining students' fees collection, attendance & salary details of teaching & non-teaching staff. Component movement registers, Seminar hall utilization register and maintenance register are taken care by Administrative office. Our Institution has a list of genuine vendors for maintaining the infrastructure with clean and tidy. The Green Cover of the campus is well maintained by a full-time gardener and his team.

Class Rooms

The classrooms are equipped with an array of Hi-Tech equipment which enables the competent teachers to conduct classes and cleaned regularly. In this very special learning environment, LCD projector and WI-FI facilities are available. The well-furnished class room facility for the strength of 60 is there in each class.

Laboratory

Lab equipments are serviced by manufacturers and service personnel during the start of odd and even semester. Stock register is also maintained regularly as per our institution norms. Lab equipments are calibrated once in an academic year. The entire lab Components are internally and financially audited. As per Anna University's norms a batch of 30 students can utilize the lab facilities. If maintenance service is identified to do by external, concern department head needs to submit the external maintenance/service requirement requisition letter to principal for approval. Once the principal approved for external service requirement, then concern external maintenance provider is contacted by concern heads or maintenance supervisor. Once External maintenance/service is completed, HOD/Supervisor needs to verify the acquired service with the help of technicians and then collect the bill from service provider, fill the cash voucher available in Administrative office and get approval from Chief Administrative officer and principal then give it to the cashier to claim the bill amount.

Campus Surveillance and Safety:

Campus Surveillance Cameras, CCTVs, other security equipments are maintained by the equipment providers. Fire Extinguishers in various blocks, class-room, labs, hostels, offices, etc. are set and maintained promptly for the safety of our stake holders.

Computers

The college has 793 computers with high speed internet connections and the software are distributed in different locations like office, laboratories, library and departments. Computers are maintained by internal staffs. Each laboratory has an assistant, who ensures the proper use of the computers.

Following work is being carried out for Computer and System Maintenance

- ERP Software support and maintenance
- Uploading of data on college website
- Hardware maintenance of computer
- Keeping the records of all computers and peripherals including printers
- Maintenance of all UPS

     ◦ Maintenance and service of CCTV cameras and backup of video recorded.

Library

The working hours of the library is from 8.30 a.m to 10.00 p.m on all working days and from 9.00 a.m to 4.30 p.m. on holidays. Maintenance activities are made by the college management regularly to keep the library clean. Library stocks are audited once in a year. College librarian maintains the book circulation among students and staffs through software**.** Books stock register is properly maintained and auditing of books is performed annually. Library has been established with OPAC (Online Public Accessing Catalogue) facility to access and maintain the books easily in the rack.

Placement and Training Cell

Special Training is provided by experts in the software domain such as C, C++, JAVA, Python and Dot Net to the students and aptitude and communication training for competitive examination such as GRE, GATE are also provided to them.

Sports Facilities / Activities

College physical education department is taking care of sports equipment maintenance, gym maintenance, indoor and outdoor ground maintenance as per various gaming rules. Excellent infrastructure is provided for sports with outdoor Courts and running track which are also maintained regularly. The college uses some labourers for daily-wages to keep the play-ground with clean and good condition during the tournaments and sports-day celebrations. Sports stocks are audited once in a year.

Power Supply/ Electrical Maintenance/ Garden Maintenance

 A power generator (485-KVA) is installed in the campus to handle the occasional power shut-down. The maintenance of Generator Set is undertaken as per their preventive maintenance schedules and guidelines by the equipment supplier. Tree plantation and garden maintenance are done by the gardener through Estate office and the volunteers of NSS and YRC. The Estate Office appoints external agencies for the maintenance of lifts, fire extinguishers, fire systems and generator. To maintain the internet connectivity and CCTV security system, system administration team is appointed. 24/7 maintenance system is provided for effective maintenance of all works in the campus. Institution has an exclusive maintenance mechanism where students and faculty member can lodge their complaint on electrical and plumbing faults and etc. The maintenance team will rectify the problems immediately on 24/7 basis. To monitor electrical equipment such as Generator, UPS, and Batteries, monthly preventive inspection /checking is carried out. In case of major fault, the Supplier is called (belonging to equipment). The supplier analyses the fault and submit the report. If the replacement of any part is necessary then the quotations are called & purchased as per centralized purchase procedure.

Transport Facilities

College Buses and other vehicles are maintained by centralized transport department. The College runs 46 buses for providing transport facility to the students from various places in and around the campus. A full-fledged transport department functions in the College to provide transport facility to students and staff from various places. Regular maintenance of buses is monitored by the transport division of our institution.

Academic facilities Maintenance

All the equipment's, instruments, machineries are properly used and maintained as recommended by the manufacturer to minimize the wear and tear. Our Institution has a list of genuine vendors for maintaining and up keeping the infrastructure. The stock verification is being carried out every semester and maintenance requisitions are invited from lab in-charges through proper channel now and then.

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: 75.14

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)**

2019-20	2018-19	2017-18	2016-17	2015-16
2079	2095	2372	1952	1527

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: 10.84

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)**

2019-20	2018-19	2017-18	2016-17	2015-16
545	450	367	78	56

File Description	Document
Upload any additional information	[View Document]
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: 13.99

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**

2019-20	2018-19	2017-18	2016-17	2015-16
564	650	125	455	100

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

5.1.5 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: 38.38

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

2019-20	2018-19	2017-18	2016-17	2015-16
356	250	235	189	190

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: 15.12

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

Response: 114

File Description	Document
Upload supporting data for student/alumni	
Details of student progression to higher education (Data Template)	
Any additional information	

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: 15

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**

2019-20	2018-19	2017-18	2016-17	2015-16
2	1	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**

2019-20	2018-19	2017-18	2016-17	2015-16
8	2	1	1	0

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

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: 0

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.**

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	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:

STUDENTS SUPPORT AND PROGRESSION

Gnanamani College of Technology has students from various disciplines and constitutes students' participation committee. It endeavors to take advantage of every opportunity to create and sustain an environment that nurtures life in its fullness, for every member of its community and set it on the path of excellence. The progress is possible only with the involvement of all the stakeholders in the institute such as students, staff, faculty and management.

The student council includes the representative body of students along with members from management and staff. Student coordinators are members of the disciplinary committee and the core committee of the college association. Our institute creates a platform for the active participation of the students in the various academic and administrative bodies including other activities.

Students' representation and engagements in the following:

CLASS COMMITTEE helps Students to take a review on the students' performance, academic plan execution of every subject in a semester and for corrective measures.

ALUMNI ASSOCIATION makes Interaction between the Alumni and the present students are to make a mutual benefit to the society.

THE NATIONAL SERVICE SCHEME (NSS) find the problems and needs of the community Volunteers are involved in problem solving process to develop a sense of social and civic responsibility among themselves.

   MULTIPRONGED CAPABILITY ENHANCEMENT AND DEVELOPMENT SCHEMES encourages Personal mentoring, student development programmes, and academic programmes which are designed to learn to live and work together for achieving excellence in personal and academic areas. It creates interest in both technical and nontechnical activities of the students and promoting their latent skills fittest for the world. Students are motivated to participate in Spoken Tutorials, NPTEL online courses and certification programs.

WOMEN EMPOWERMENT CELL inculcates entrepreneurial attitude among young girls, scientists at the earliest so that they could be "job givers" rather than "job takers".

TRAINING AND PLACEMENT CELL provides training in aptitude, technical and personal competencies and facilitates the students to get placement in top notch companies and get through GATE, CAT, and UPSC.

ENTREPRENEURSHIP DEVELOPMENT AND INCUBATION CENTRE   encourage students to bring out their business ideas and enable them to kick start their own ventures with the help of the training and the seed money is sanctioned from the incubation centre.

COUNSELLING SERVICE counsels the students to address the pressures of family expectations, personal expectations, academic pressure, social pressure, psychological adjustments, and identity formation is counselled to concentrate on their academic developments.

Students' representation and engagement in **Department Advisory Council (DAC)** as Student representative member

GRIEVANCE REDRESSAL CELL and ANTI RAGGING COMMITEE: The grievance cell is addressing the students' grievances and to redress them immediately whenever it is required. Due care of Anti ragging committee it's a ragging free campus.

SPORTS and CUTURALS: Students are encouraged to participate various sports and cultural activities to show their skills and abilities.

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: 13.4

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

2019-20	2018-19	2017-18	2016-17	2015-16
15	18	12	10	12

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:

Gnanamani College of Technology Alumni Association-Pachal was formed on 12.12.2019 with 12 executive committee members. The executive committees of the Alumni association framed the bye-laws of the association and registered (Under Tamilnadu Act 27 of 1975) in the district registrar's office in Namakkal. (Register Number-SRG/Namakkal/167/2019)

The main objective of the GCT Alumni Association is to bring the old students of Gnanamani College under one forum for sharing experience, dissemination of knowledge and talents amongst its members and students' community of Gnanamani College.

The following activities are being carried out through the association and keep the association active round

the clock.

- To evolve, nurture and involve alumni as active partners to bring forth the best available practices in academics and research to the Institute for Excellence.

- To bring together the engineers, technologists, scientists, managers and entrepreneurs to strengthen their engagement with the Institute.
- To highlight the achievements of its alumni.

- To provide an interface through which the alumni of the college can keep in touch with the college, faculty, staff and students of the college and among themselves.
- To enable the alumni to take part in the activities of the college that may contribute to the general improvement of the status of the college and alumni.
- To promote exchange of skills and experience among the students and exhort them to face the future challenges in their professional.
- To conduct seminars, workshops and guest lectures with latest topics and make the students to be ready-handed.
- To render financial aid to needy and deserving students those who are studying in the college and make them one of the best engineers in the world.
- Our Alumni's are acting as a member in college advisory committee. GCT has advisory committee for further development of students. In that, our Alumni's are acting as a member with their valuable suggestions.
- Our Alumni's workings in different corporates are continuously visiting the Institutions to share their experience about Industry expectations for the betterment of students.
- Our Alumni's working in government sector is continuously visiting Institutions to share their experience and giving Guest Lectures and seminars and extend their full support to make the students know-how in their field.
- Every year we conduct Alumni meet and collect their valuable feedback and suggestions for the betterment of students' community.

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: D. 1 Lakhs - 3 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:

Gnanamani College of Technology is committed to emerging as a technical institution of high standard and excellence to produce quality Engineers, Researchers, Administrators and Entrepreneurs with ethical and moral values to contribute the sustainable development of the society.

Mission:

1. To have in-depth domain knowledge with analytical and practical skills in cutting edge technologies by imparting quality technical education.
2. To be industry ready and multi-skilled personalities to transfer technology to industries and rural areas by creating interests among students in Research and Development and Entrepreneurship.

- The Gnyanamani educational Institutions are run by the two legendary academicians Dr.T.Arangannal - a Rashtria Vidya Saraswathi Puraskar Awardee for his outstanding achievement in the field of education and a recipient of Doctorate from the University of Srilanka for his consummate services to education and Mrs.P.Malaleena.These two legends have been the great support and encouragement of Gnyanamani educational Institutions and taking it to contemporary heights.
- The Institutions has been standing out as a unique place of learning in imparting quality education under the eminent administrator Dr.P.Premkumar, Chief Administrative Officer who is striving to promote the institution in the upward ladders of success.
- Gnyanamani educational Institutions have a unique distinction of having the best teaching faculty. The highly devoted teaching staffs give their motivation to inquisitive students and the earnestness of the trust in imparting quality education under the leadership of the eminent Principal Dr.T.K.Kannan. They lead to extra mile and make sure that the students' perform well consistently for their career success.

Nature of Governance

The Management strictly adheres to the recommendations of its Governing Council. Dr. P.

Velraj, Director/Professor, Institute of Energy studies, Anna University, Chennai a renowned academician par excellence and he is the Chairman of the Governing Council. The council comprises senior academicians, industry professionals and research consultants. The governing council meeting is convened twice a year and all aspects of academic and non-academic matters are discussed and decisions are taken to benefit all the stakeholders of the system. All the Deans, Directors and Heads of the Department also participate in the deliberations of the Governing Council meetings.

Major Plans for Gnanamani College of Technology in the near future as envisaged in GC meeting in 2019 are,

1. To obtain NBA accreditation for all eligible engineering Programmes in the current academic year
2. To go for NAAC accreditation by 2021
3. To introduce more value-added courses according to the latest trends in the industrial sector immediately.
4. To increase the University Results and Pass percentage.
5. To increase the MOUs and Institute Industry Interaction.
6. To develop the Entrepreneur Development Cell Activities
7. Establishment -Staff appoinments
8. Budget Review & Suggestions
9. Research & Development Activities
10. NSS & Sports Activities
11. Women Empowerment Cell Activities
12. Placement & Suggestions
13. To encourage the faculty members to acquire higher qualifications and the institute to provide all facilities for them.
14. To establish Centers of Excellence in all engineering departments.
15. To collaborate with industries for consultancy projects

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:

The college delegates authority and provides operational autonomy other departments/ units of the institution and work towards decentralized governance system.

Decentralization –Various committee Coordinators

Name of the Faculty Coordinator	Name of the Committee	
Mr.S.Gopinath, AP / CSE	University Examination Cell	
Ms.C.Hemalatha, AP / EEE	Internal Examination Cell	
Dr.K.Mohanapandian,HOD/ Physics	Anti – Ragging Committee	
Dr.M.Malarvizhi, Professor / EEE	Womens' Protection and Anti-Harassment Cell	
Department HOD & Counsellors	Counseling Cell	
Vice Principal & All HODs	Grievance Redressal Cell	
Vice Principal & All HODs	Discipline Committee	
Mr.K.Sridhar, AP / EEE	Alumni Association Cell	

Dr.P.Arulmozhi, Professor / Mechanical	Industry Institution Interaction Cell	
Mr.A.Venkatesh, AP / ECE	Higher Education Cell	
Mr s.Rajasekar, AP/Maths	Library Committee	
Mr.N.Gowthaman, Physical Director	Sports Committee	
Dr.N.Balakrishnan, HOD / Mech.	Bus & Transportation Committee	
Prof.K.Chandramohan, Vice Principal	Hostel Advisory Committee	
Dr.R.UmaMaheshwari, HOD / CSE	Software Development and Website Management Cell	
Mr.S.Gopinath, AP / CSE	Social Media Cell	
Mrs.S.Lalitha, AP / CSE	Gnan Resource Center.	
Dr.R.Nagarajan, HOD / EEE	Training Cell	
Mr.R.Prabhu, AP / ECE	Placement Cell	
Dr.K.Mohanapandian,HOD/ Physics	NSS / Youth Red Cross / Red Ribbon Club	
Dr.G.Ranganathan, HOD / ECE	Recruitment Committee	
Dr.R.Umamaheshwari, HOD / CSE	Academic Year Plan and Time Table Committee	
Mrs.B.Vanitha, HOD / Chemistry	Cultural Committee	
Mr.K.NandhaKumar,AP/ ECE	Right to Information Committee	
Prof.K.Chandramohan, Vice Principal	Staff welfare committee	
Dr.R.C.Karpagalakshmi, Professor / CSE	Internal Quality Assurance Cell	
Mr.S.Muthuraj AP / CSE	NPTEL Study Centre	
Dr. M. AsokRajkumar – Professor & Dean / Mechanical	Research & Development Cell	
Mr.B.Manikandan,	Entrepreneurship Development Cell	
Dr.R.Gandhi, VP	MHRD Innovation Cell	
Mrs.N.Deepa,AP / Chemistry	SC/ST Cell	
Mr.K.Gobinathan,AP/CSE	Planning and Monitoring Committee	
Mr.K.Madheswaran,HoD/Civil	Student Council	

Case study

Class committee

Teaching-learning process is a crucial component of any college. The effectiveness of the teaching learning

process is thoroughly understood through the participation of the students and individual faculty members of the college. This allows the faculty members, heads of departments, Principal and college management to capture the essence of the core activity happens inside the classroom. This activity helps the individual students not only in their learning and also in their personality development through co-curricular and extracurricular activities.

Class committee is constituted for every class/section of all department comprising of at least 10% of

student representatives, class advisors, mentors and the faculty members who handle subject for that particular class which will be coordinated by a faculty member of the college who is not handling that particular class. The committee will meet thrice every semester and discuss various aspects of teaching-learning process such as syllabus coverage, learning effectiveness, teaching methodologies, learning materials, practice in laboratory, attendance, discipline inside the classroom, test performance, special class requirements, face to face feedback from both the students and faculty members.

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:

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

 Response:

Yes,Aavilable

The institute has a formally stated strategic plan. The most important of the strategic plan is to develop

Quality of education in line with vision and mission of the institution. The strategic plan deployed and reviewed from time to time obtaining feedback from stake holders and various academic and administrative bodies. The management plans for improvement and expansions of infrastructure, modernization of existing facilities, research and development actives and introduction of new courses The Management maintains transparency in communicating the intent of the organization to all its employees through clarity in authority and delegation to achieve positive results in improving performance of the institution through the following acts.

- Frequent Meeting of respective Academic/Admission Bodies/Stake holders as per the requirement.
- Equality of opportunity among the staff
- Creating intellectual and ethical wealth
- Creating healthy organizational culture and climate through flexible organizational structures
- Participative style of management through proper decentralization mechanism
- Active participation of faculty members in scientific and professional associations through continuous monitoring.
- Provide code of conduct for teachers with regard to work schedule.
- Sound mechanism of reward system, harmonious relations and resolving conflicts at all levels through the stakeholder's involvement.

The Strategic plan of the institute for the next five years i.e. 2017-22 is as follows.

- To get NBA Accreditation in all Department
- To get ISO Certification
- To Establishment ofincubationCenters
- To offer more Research Promotion
- Extension Activities in all Department
- To get more Funding proposalInitiatives
- To sign more MOU with other state / foreign University
- To Connect More Industry Interaction
- To Implement Entrepreneurship Development initiatives
- To encourage to Participate more Events in AICTE
- To Establishing an Institution Innovation Council(IIC)
- Centre of Excellence (COEs)
- To become an Autonomous Institution in 2022
- Deemed to be University in 2025
- To implement more Green Initiatives
- To get highest grade in NAAC Accreditation
- To get Ranking in, National Institute Ranking Framework(NIRF) and CII Survey

File Description	Document
Upload any additional information	View Document
strategic Plan and deployment documents on the website	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:

Functions of Various Bodies

1.Grievance Redressal Cell

- The students can approach the cell to air their grievances regarding academic and non - academic matters.
- The students can also convey / register their grievances through class committee meeting.
- The committee will look into the matter and shall try to redress the grievances as soon as possible.
- The cell redresses the grievances at the basis of individual and as well as class level if the grievance is common.
- The solution for the grievance will be communicated to students concerned at the earliest.
- The Cell will deal with the cases / complaints of sexual abuses / annoyance or any other type of

harassment of the female students, teaching and non-teaching women staff of the college.

2. Anti-Ragging Cell

Gnanamani College of Technology maintains a healthy and conducive academic environment for the students. Our institution ensures protection to the fresher's from the menace of ragging. In this regard our Institute has constituted an Anti Ragging Cell. The cell is constituted with Principal as Chairman along with senior faculties as members. Anti Ragging Squad members and Anti Ragging Bus In-charges have been deputed from all departments to monitor students' discipline both inside the campus and on board.

To secure almost all areas in the college (i.e. canteen, parking places, different blocks, play grounds etc.) and ensure that at least one faculty member is present at a particular time at all locations to avoid ragging.

3. Functions of Planning and Monitoring Committee

Planning and Monitoring Board performs the following functions :

- Reviews the academic and other related activities of the college
- Visualizes and formulates perspective plans for the development and growth of the institution and facilitates implementation of the provision
- Plans for resource mobilization through industry interaction, consultancy and other funding institutions
- Promotes teaching innovations and placement programs.
- Recommends schemes for promoting participation of academic departments in community development activities in the region

4. Functions of Internal Quality Assurance Cell

IQAC was formed to ensure and promote the quality of education.

The progress of curricular, co-curricular and extra-curricular activities is monitored periodically

- Reviews the progressions of students and faculty
- Promotes research and extension activities in the college campus
- Plans for sustaining the quality of education, quality improvement and accreditation of the college
- Analyzing the feedback from students, Parents and experts

5. Service rules and Recruitment Policies:

The institution strictly follows the service rules according to the AICTE, UGC and Anna University norms. It has beenuploaded on the website too. Recruitment is taken place according to the norms of the University and UGC. The managementselection committee comprising of Principal, Dean, HOD and Subject experts decide the worthiness of the faculty member by his/her performance in the interview according to the parameters.

File Description	Document
Upload any additional information	[View Document](#)
Link to Organogram of the Institution webpage	[View Document](#)
Paste link for additional information	[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: C. 2 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:

Welfare Schemes for Teaching Staff

- The Institution ensures good quality of teaching by means of conducting quality improvement programs, workshops, faculty training programmes & facilitating teaching learning opportunities for staff.
- Free Medical emergency transportation
- Waiver of fees for teachers' children in Gnanamani Institutions.
- Sanction of one week leave for marriage.
- Sponsorship for attending conference, workshops and FDPs.
- Group Insurance.
- Motivation for organizing guest lectures, attending orientation, refresher programmes & short term courses.
- Causal leave / Compensatory leave to all eligible staff.
- Winter and summer vacation leave to all teaching staff.
- Faculty members opting to stay in hostel are given accommodation with concession.

- Motivation to register for Ph.D& for taking necessary steps to apply research proposals, getting financial grants, funds & patent etc.
- Encouragement to enroll as members of various professional bodies and societies with financial support.
- Research facilities to the faculty to present their research work at conferences (national & international) and share their technical expertise as resource persons.
- All facilities such as use of laboratories, use of computers, e-library is provided to faculty to pursue research.
- All adequate facilities are provided to the faculty to make best use of all the resources like internet, e-learning resources, library facilities, national & international journals.
- A central research facility is also available for facilitating experimentation & high end computing.

Non-teaching staff

- Dress allowance are provided Uniforms for the support staff and drivers
- Free transport facilities
- Festival advance
- Supporting for education of the children of the teachers in the group institutions.
- Fee concessions for children of administrative and support staff
- Personal accident insurance
- Salary advance.
- Winter and summer vacation to staff.
- Concessional transport facilities.

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: 53.1

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**

2019-20	2018-19	2017-18	2016-17	2015-16
127	120	116	94	90

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: 8

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**

2019-20	2018-19	2017-18	2016-17	2015-16
8	7	9	7	9

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: 21.3

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**

2019-20	2018-19	2017-18	2016-17	2015-16
42	53	73	15	41

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:

Describe the functioning status of the Performance Appraisal System for teaching and non-teaching staff within a maximum of 500 words

The management evaluates the performance of the faculty based on teaching, research, participation in teamwork, arranging co-curricular and extracurricular activities and publication works. The appraisal system motivates the staff to excel and put forth the best of their efforts. Staff retention is one among the strengths of the institution. The institution has the practice of evaluating the performance of the faculty members by Faculty

Performance Appraisal System.

The following factors are deeply analysed in the appraisal system for teaching staff. The performance appraisal system has the following components:

- Teaching performance
- Experience
- Skill upgradation through participation in Conferences, Workshops, Faculty Development Programs and others
- Pursuing higher studies (Ph.D, PDF)
- Research activities and obtaining patents
- Result percentage produced in the University Examination
- Publication works in the Scopus indexed / impact factor / e - journals & conference proceedings
- Publication of chapters in books and publication of books
- Carrying out sponsored projects
- Mentoring and Counseling methods
- Feedback from HOD concern and the Principal
- Feedback from students
- Establishing rapport with peers
- Active participation in team work
- Undertaking new academic ventures and being team leads
- Rewards for outstanding achievements in their studies pursued after joining the institution
- Attending specific conferences / workshops / training programs related to cells and clubs, for which

they coordinate as team leads
- Awards and Rewards for being good academician – state and national level
- Community service through the institution and outside the institution
- Participation in conducting extracurricular activities

The following factors are deeply analysed in the appraisal system for non-teaching staff

- Experience
- Skill upgradation through Orientation Programs, Refresher Course, Short Term Courses and
- Faculty Development Programs
- Higher Studies
- Feedback from HOD concerned and the Principal
- Active participation in team work
- Work Discipline
- Outstanding Achievements in their studies
- Participation in Community services

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:

Yes, the Institution has system for Internal and external audit.

The Governing Body of the Institution consisting of Chairman, Chairperson, industry and academic members to preview financial year budget proposals including Income & Expenditure (both recurring and non-recurring) details and past Audited statements . The proposals are made on different heads such as laboratory equipment, library expenses, salary payments, building infrastructure and other maintenance expenses.An effective mechanism is followed by the institution for auditing all the accounts.

Internal Audit is conducted by officials deputed from Trust office periodically and the reports are obtained before conduct of the external audit which is normally done after the annual closure of the accounts in all respects. External Audit is conducted by the Statutory Auditors after 30th June and the reports are prepared and updated by 30th September of the subsequent year and the account statement are disclosed in the website. During the course of Internal Audit, all required steps are taken to regularize the accounts and to obtain confirmations for the credit balances, to collect documentary evidences wherever inadequate in respect of payments, compliance of T.D.S. and Statutory Formalities and Reconciliation of Unit wise balances with the Control Accounts and Bank Reconciliations. The copy of the Internal audit report covering all matters related to maintenance of accounts is prepared. Subsequently, External Statutory Audit

is conducted by the auditors and the final audit report with audit findings are submitted to the Management. The consolidation of the findings of the Institutions with Trust Central office has been completed and the annual returns have been submitted to Income tax Authorities and to the other relevant authorities concerned.

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: 0

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

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

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

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

Response:

Fees Collections

Students are admitted as per the Tami Nadu Government prescribed Higher Education norms byadmitting 50% of students through Anna University Counseling (TNEA) and 50% through Consortium of Self-Financing Professional, Arts and Science Colleges in Tamil Nadu.

Term Loan and Hire Purchase Loans

Institute is getting above Loans from Banks with reduced rate of interest by maintaining the liquidity, DSCR and Debt Equity Ratios which are sound and the Loans are availed through Christian Educational Trust.

Government Grants and Sponsorship Receipts

Grants through proposals are sought from various Government Organizations such as AICTE, ISTE, UGC, DST, IMCR, IEI, etc. and other Non-Government Organizations such as industries, IT sector etc., and the Amount received are judiciously utilized to meet the recurring and non-recurring cost of institutions.

Non-Government Bodies and Sponsorship Receipts

Donations are received from well-wishers (alumni and others), industries, individuals andphilanthropists for institutional activities.

Corpus Donation of Trust and Trust Contribution

The College is functioning under the Christian Educational Trust at Rasipuram Taluk , Namakkal,Tamilnadu.The Trust gets corpus donations from well-wishers, corporate and philanthropists.

Optimal Utilization

Recurring Expenses

Salary to staff, academic activities and payment of bank interest are done with fees collection.

Infrastructural development facilities and Building construction works

Management allocates budget to create and upgrade the infrastructural facilities in tune with the modern trends and for construction works. Bank loans and corpus donations received from well-wishers and philanthropist are judiciously utilized for the same.

The institute gets grants from AICTE for purchase of modern lab equipment, purchase of latest version

software and others. The grants are utilized. College purchases new vehicles as per student strength, through hire purchase loans from banks and loans are repaid with reduced rates of interest from the reasonable transport charges.

Research and project activities

Knowledge is generated and applied in new innovations and technologies which in turn shall be utilized to enhance the quality of socio-economic and environmental conditions of society. The institute is committed to provide excellence in research. The institute has executed many major Research and Development projects. Donations from government and non-government bodies, institutions, industries, firms, well-wishers and philanthropists are used for R&D.

Seminars, Conferences and Faculty Development Programmes and other co-curricular

The institute conducts the above said regularly and religiously matching with the latest technology,

innovations, research, changes and needs for the society.

Green Atmosphere

Enough care is taken to maintain cleanliness in the campus which coexists with godliness and fund is

judiciously utilized.

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 main objective of IQAC is to ensure quality assurance of academics and administrative works. IQAC takes continuous review of academics process in the Institute. It ensures enhancement and coordination among various activities of the Institution and institutionalizes all proven practices to provide a sound basis for decision-making and to improve institutional functioning. Our Institute follows various processes towards quality enhancement. Among these the following two methods are explained.

Slow Learners Coaching System

The learning level of the students are assessed and enhanced to get good results and placements in top MNCs. Slow Learners are identified at the beginning of every academic session. The students who haven't scored 60% marks in the internal tests are considered as slow learners. The progress of students is assessed through Define Test, Internal Test, Model Exams and Counseling. Communication skill training is imparted to enhance the performance of rural students. The students are trained to gain adequate skills related to their subject, so that the slow learners also participate in placement activities.

To achieve good results counseling is given to all the slow learners in each department. Mentors are deputed for around 20 students to establish good relationships with each student and motivate them personally. Parent Teacher meetings are regularly conducted to discuss about the performance of their ward. Tutorial classes are conducted for all the subjects to clarify doubts and for re-explaining the critical topics. Extra coaching classes are conducted with important previous year university questions for failures. Re-internal tests are conducted for the slow learners to increase their internal assessment marks. The improvement of the students are continuously monitored and evaluated.

Training and Placement Cell

Training and Placement Cell (T&P) is one of the best practices followed to enhance the students' skills to face the current industrial demands. Our Institution has its own meticulously designed training modules with the support of senior faculty members and Corporate HRs. The T&P cell has good infrastructure facilities and well trained faculty members to develop the student's knowledge in both technical and communication skills. The main objective of T&P cell is to train the students constantly through various training programs and arduously with recent advanced tools in their individual core areas to meet the industrial needs. The different levels of training given to the students are Communication Skills Development, Life Skills Development, Interpersonal Skills Development and Corporate Skills Development.

Placement Day and an awareness programme on employability opportunities in current scenario are organized for all the students through eminent persons from Industries. The Pinnacle of T&P cell is the Gnan Corporate Connect program which is organized every year to integrate various facets of real-life corporate experiences into the curriculum. The Corporate Connect program invites senior level executives, entrepreneurs and eminent industry experts from various fields to share their practical business experiences with students. The students and alumni of GEI have earned rich accolades for their achievements within their organizations.

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:

IQAC facilitates the growth of faculty and students through various reforms and provides guidelines periodically to ensure quality assurance of academics and administrative works.

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

- Administrative and Academic Audit
- Outcome based Education System
- Promoting the usage of ICT for effective teaching-learning process
- Stakeholder's Feedback System for quality improvement

- Promoting Research Activities and Entrepreneurship
- Training and Placement Activities
- Organizing Guest Lectures/Seminars/Workshops on advanced topics by Eminent Academicians and Industry experts
- Practice of emerging technologies through participative learning method

Promoting the usage of ICT:

Innovative and creativity methods are adapted in the teaching-learning process of the students to enhance the learning capabilities and also increasing the knowledge. The innovative teaching is done by using the ICT tools such as SWAYAM, Digitalized Library, LCD Projector, Animated Videos, conducting webinars and NPTEL videos etc to improve the quality. The central library provides Online information services and subscription like IEEE, Springer, DELNET (Developing Library Networks), NPTEL (National Programme on Technology Enhanced Learning) and membership with NDLI (National Digital Library of India), Anna University and British Council. Our library also has OPAC with intranet services for the benefit of students and faculty. The usage of ICT can lead to higher order thinking skills, provide creative and individualized options for students to express their ideas. The learning materials for every course are available in the content server of the college which can be accessed by the students through the intranet facilities. Course materials, question banks, PPTs and lab manuals are periodically uploaded in the Intranet portal GRC to develop the students self-learning. Each department is provided with LCD projector, computer with LAN and internet connection in the Seminar Hall. One can access the database of Digital Library, NPTEL videos and other e-resource facilities which consists of course materials, recorded video lectures and animations. IQAC organizes orientation programme for both faculty members and students to promote the ICT enabled teaching and learning.

Outcome Based Education System:

Outcome Based Education (OBE) is a student-centered instruction model that focuses on measuring student performances through outcomes. The Program Outcomes, Program Specific Outcomes and Course Outcomes are well defined. POs, PSOs and COs are framed by the Head of the department, subject handling faculty and subject experts through Vision and Mission statement of the college and syllabus content. Faculty is given awareness to pedagogical teaching learning method, blooms taxonomy and the outcome based education. Assessment and Advisory Committee meetings are conducted at regular intervals and the institute assists the faculty members to achieve these objectives by proper continuous supporting systems.

The POs, PSOs/PEOs and COs for all programs and courses offered are displayed in the nodal places of our Institution such as Faculty Room, Notice Board, Library, Laboratories, Newsletters and website etc., for reference to all the stake-holders. Each course has defined CO that are linked to the PO, PSO through a set of performance criteria. The course outcomes of each course are mapped to the Program Outcomes with a level of emphasis being High level correlated (3), Medium level correlated (2) and low level correlated (1). Every department conducts meetings of various stakeholders like Students, Alumni, Parents, Employers and Staff. Feedback and suggestions are taken and curricular gaps are identified from the stakeholder meetings. Project works are evaluated by Senior Faculty Members through reviews to oversee whether they are in tune with the learning outcomes. The importance of employability is insisted upon as one of the main learning outcomes. Learning levels of the students are assessed based on their performance

in internal examinations and university examination. The slow learners are arranged with special classes during evening hours and advanced learners are motivated to attend Seminar, Workshop, Paper Presentation and Project presentation in other Institutions.

The internal assessment mark for the theory is the average of the three internal assessment examinations and for laboratory, it is calculated as the average mark of records and one model practical examination. Project work is evaluated by conducting three review sessions. Subject wise CO attainment level is calculated by adding 20% of the final internal assessment attainment level and with 80% of end semester examination attainment level for each subject. Thus, the average percentage of students attaining the entire COs decides the CO attainment level.

Attainment Level of Students pass percentage marks level for (Internal & End semester examination)

Attainment Level = 1, if 50% of students secured more than 50% Marks

Attainment Level = 2, if 60% of students secured more than 50% Marks

Attainment Level = 3, if 70% of students secured more than 50% Marks

Attainment of PO and PSO are calculated by the following tools:

i) Direct Assessment Method

ii) Indirect Assessment Method (Exit Survey, Alumni Survey, Employer Survey)

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: C. 2 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:

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

The aim of Gender equity means justice of action for both women and men, according to their respective needs. This may include equal treatment or treatment that is different, but which is considered equivalent in terms of rights, benefits, obligations, and opportunities.

Gnanamani college of Technology ensures gender compassion through various initiatives and actions for creating safe, secure and healthy atmosphere in the campus. The following measures are initiated to provide safe environment to the students.

Surveillance system: High resolution cameras are installed at vantage point in the campus and entry of unwanted person is monitored through these cameras. This system ensures that all the female students, staff can feel secured at all the times in the campus. A team of security guards are allotted to ensure safety and security of the students and staff. The entire campus is covered with sufficient lighting during the night time.

Hostel: Four separate hostels are available to serve the boys and girl students in the campus. Students' activities and behaviour are monitored as per defined rules under the guidance of wardens. All the students and staffs must wear their ID card at all-time inside the campus that ensures unwanted entry of outsiders and unauthorized persons. Spacious dining halls are provided in the hostel. Transportation is provided for the needy in the emergency period.Full time medical staff is available in the campus round the clock to attend the sick students.

Counselling: Gnanamani College of Technology has a system of mentoring in each department for instilling social, moral and ethical values. Each faculty member is assigned as a mentor for batch of 20 students. All senior faculty members are available for counselling boys and girls to solve their problems at any time without any hesitation. Women empowerment cell and Redressal committee also create gender awareness through various programs. Women empowerment cell empowers girls' students for the enhancement of understanding of issues related to women. Anti-ragging committee is also formed and directed by a group of senior professors and it ensures the safety of the students in & outside the college campus.

Common room and Rest room: A separate washrooms are available in all the blocks for both boys and girls. 24 hour uninterrupted water supply and electricity are arranged with all amenities in the washroom. A separate common room is provided for girls' students with first aid box and newspapers.

Medical Facilities: The College has a dispensary on campus to meet the first aid and routine medical requirements of the girl students at free of cost. In the dispensary, the consultation is also provided to the girl students and lady faculties. Transportation is provided to the sick students after first aid and they are

referred to nearby hospital for regular medical case.

File Description	Document
Link for annual gender sensitization action plan	View 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

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: A. 4 or All of the above

File Description	Document
Geotagged Photographs	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:

Solid waste management :

Solid waste management is the process of collecting, treating and disposing of solid materials which is taken care in the Institution. Improper disposal of solid waste can create unsanitary conditions in turn leads to pollution of the environment and outbreaks of vector-borne diseases. To make the environment conducive for survival and retaining the natural setting, the following procedures are followed in the campus:

- Disposal of Biological waste.
- Deployment of Dustbins at distinct points.
- Proper collection of droppings from the trees and plants and conversion into manure.
- Food wastes from mess and canteen are collected and fed into bio gas plant to produce bio gas and used in mess inside the campus
- Vegetable wastes from mess and canteen are collected and fed to the animals inside and outside the campus

Liquid Waste Management :

Due to the increase of water usage, the volume of sewage increases and safe disposal of sewage has become a cause of concern. The appropriate reuse of treated sewage is the obvious and eminent solution. Our Institution has two Sewage Treatment Plants (STP) to recycle the waste water.

- To ensure effective utilization of waste water, the lawns, saplings and trees in the campus are watered after recycling.
- Well constructed drainage system in the form of closed collection tanks prevails in our campus. The tanks are regularly cleaned to avoid stagnation of water and the cleaning part of the process is given for outsourcing.
- There are two treatment plants Reverse Osmosis (RO) to purify drinking water
- A common Sewage Treatment Plant (STP) is functioning to treat liquid waste.

Bio-Medical Waste Management:

In our Campus,there is no Bio-Medical wastes generated, so we don't have any related Bio-Medical waste treatment.

E-Waste Management:

Disposal of e-waste is an emerging global environmental and public health issue and has become the most rapidly growing segment of formal municipal waste stream in the world. The life of the electronic items is extended by doing proper maintenance. The harmless items are used in the laboratories for demonstration purpose. The out dated computer mother boards, RAM, hard disks and processors are used for the purpose of hardware assembly training. Few electronic items are reused in the students' project. Scrap materials are sold for reuse.

Waste recycling system:

- After recycling of waste water, the lawns, saplings and trees in the campus are watered and make the campus as green
- Food wastes from mess and canteen are collected and fed into bio gas plant to produce bio gas and used in mess inside the campus.

Hazardous Chemicals & Radio activity waste management:

Our Institution has no hazardous chemicals & Radio activity waste management.

File Description	Document
Any other relevant information	[View Document](#)
Link for Geotagged photographs of the facilities	[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: B. 3 of the above

File Description	Document
Geotagged photographs / videos of the facilities	[View Document](#)
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: B. 3 of the above

File Description	Document
Various policy documents / decisions circulated for implementation	[View Document](#)
Geotagged photos / videos of the facilities	[View Document](#)
Any other relevant documents	[View Document](#)

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	View Document
Certification by the auditing agency	View Document
Any other relevant information	View Document

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: B. 3 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

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:

The institute has taken many extra efforts to provide a very inclusive environment for the students, faculties and public. This initiative was taken to exhibit harmony towards social, communal, regional, and cultural and socio- economic events. College NSS volunteers actively participated in "Income Tax Awareness Rally" which was conducted by Divisional Income Tax Office, Salem. Being a reputed institute, we share our infrastructure and resource to the public and governments. TNPSC, UPSC, TRB, BEO etc., are being conducted in our institute for the convenience and benefit of the local candidates/residents. The NSS conducted Voter Identity Card Verification and Correction Camp in the presence of Namakkal district Thasildhar Mr. M. Pachamuthu. Students, Faculties and their Family Members were benefited and their data was verified with voter android application. Our Institute jointly

with the Government of Tamilnadu offered space for quarantine in our campus and extended a helping hand for the benefit of the public who were suspected of Corona Virus infection. Gnanamani group of Institutions transferred 'Flood Relief Fund' to Kerala Chief Minister for the needy people during the flood disaster in Kerala. Career guidance was conducted for UPSC and TNPSC competitive exams through Business idea challenge 2K19. 'Higher Education and Future Career Opportunity' awareness program for plus two students is also conducted every year for the benefits of student's future. About 1500 tree saplings were provided for the new graduates for the benefit of our society. Our college has conducted

'Entrepreneurship Development Training Programme' for versatile candidates. An orientation program was conducted for the Government school Teachers in Namakkal District on Environmental Awareness, teaching methods for disabled students, ICT training program, State Level Leadership Development Program for Government school Head Masters.An Orientation Program for maintaining adolescent-friendly school environment was conducted by RMSA and UNICEF, India. The Kodaikanal FM conducted a student debate program on 'Students and Society Welfare'. In this Program our college students were one of the active participants and they shared their new ideas to our society. To improve scientific inventions and to motivate new inventions and thoughts among school children, Children Science Congress Program was conducted in the presence of Mr. Saravanakumar, Indian Revenue Service, Tamilnadu. Kodaikanal FM's 'KallooriKalatta' Cultural cum Youth Program was also conducted to improve their skills with the tune of tolerance and harmony towards the social, cultural and socio-economic developments within students community. Social awareness program was conducted to direct the students to help the association of the blind by buying their products which they sell dictionaries, pens etc., . Students of our college participated in Krishna Jayanthi celebration held at ISKCON temple, Salem and gained importance of religious and cultural awareness. Rs.1,85,000 worth Flood Relief Materials were distributed to Cuddalore district 's needy people during and after Flood days.1000 free tree saplings were presented to various school children and public at "Go Green, Save Earth" awareness programme organized by Gnanodaya International School.

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

Gnanamani College of Technology is affiliated to Anna University, Chennai. Students are imparted GE6351 - Environmental Science and Engineering and GE6075- Professional Ethics in Engineering for the following department(ECE, EEE, CIVIL, MECH,CSE).Through which we enhance the Sensitization of students. The students are trained to adhere to the constitutional obligations.

The Institution encourages National celebrations in the campus. Students join together to improve the

society of nation and cultures. Indian great personalities' life histories are shown to the young minds through the program conducted on these days. The main reason to celebrate this program is for the majority of students who are more or less religiously centered and thus we come to honor our religion. The celebrations enable students to have a good time and demonstrate what is important to them and their culture. In which the students are taught religion, laws, good citizen, earth processes, energy systems, pollution control and mitigation, natural resource management, and the effects of global climate change etc.

The institution takes more effort to improve the values, rights, duties and responsibilities of citizen's. Our institution conduct the Independence Day, Republic Day and Group Discussion in which they share the importance of becoming good citizen. A good citizen is one who is helpful and broad minded. She/he stays calm and doesn't make others harder. It is the responsibility of every person to keep one's area clean. He/she helps others in every way possible. He/she remains nice and fair to his/her neighbors. He/she doesn't waste electricity and water. The good citizen is one who abides by all the rules and laws of the country. Gnanamani college of Technology celebrates the Engineer's Day in which we share about duty of every citizen to help the administration for smooth maintenance of law and order and the primary function of the State. The law imposes on citizen's obligation to inform the authorities if an offence has been committed or is likely to be committed and to render all possible assistance in the detection of crime. Institution organizes Awareness Programs for Women's Rights in which they share about the role and rights of women. Students get involvement in Environmental scientists work on subjects like the understanding of earth processes, evaluating alternative energy systems, pollution control and mitigation, natural resource management, and the effects of global climate change through the Environmental Science and Engineering subjects. Environmental science and engineering is important subject to young professionals compared to many other disciplines in the physical and natural sciences and engineering.

File Description	Document
Link for any other relevant information	View Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	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: C. 2 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:

Our Institution has students from different parts of India.The Institution encourages multicultural celebrations in the campus.Ourstudents work towards clean and better India.Theyintend to improve the society, nation and culture. Indian leaders biographies are being discussed with the young minds through the programmes conducted on these special days. Ever since our school days, we are told thatonthe days of nationalfestivalsweshouldrememberallthosewhosacrificedtheir lives or a part of their lives to freedom our country from the British.We should also remember them on the days they were born and the dayswhen they were demised after serving the country.The reason we celebrate festivals is becausethemajorityofthemaremoreorlessreligiouslycenteredandthuswelcometohonorourreligions. Festivals also give a sense of enjoyment, relaxation and offer the time needed to bond with family members whom we never really see. These Celebrations will help students to have a good understanding about the culture, characteristics and purpose of celebration.So our college is concerned with great personalities anniversaries and festivals celebrated in front of students and teachers to make them service minded. The list of the birth and death anniversaries / festival celebration which are conducted in our institute are as follows.

- We celebrate **Holi**, it is one of the most significant festivals of India, also called the festival of colours.
- We celebrate the **Republic day** with great honour on 26th January of every year.
- We celebrate **Diwali** and **Pongal** the festival of lights and harvest.
- **Christmas** is a celebration to remember the birth of Jesus Christ, who Christians believe us the Son of God.
- The 2ndOctober is celebrated as **Gandhi Jayanti** day to remind all Indians the sacrifices of the apostle of peace given, to bestow upon the country.
- 5th September is celebrated as **Teacher's day**, which is the birthday of SarvepalliRadhakrishnanan to honor the great services of the teachers.
- We celebrate **Onam** to commemorate King Mahabali, whosesoul is said to visit Kerala at the time of Onam.
- We celebrate the **Independence Day** on the 15th August inview of national integration and preserve the rights of each and every individual.
- The death anniversary of **Dr. APJ Abdul Kalam** is conducted every year to encourage and innovation in the young minds.
- **International Yoga day** has been celebrated to provide the awareness on the importance of yoga to the society.

- **Annual Day** forms an integral part of our college activities. It is an occasion of celebration, felicitation, feast and festivity when students not only perform but also receive honours for their curricular and co-curricular achievements.

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 1:

7.2.1 TITLE OF THE PRACTICE: MENTOR SYSTEM FOR THE STUDENTS

OBJECTIVES OF THE PRACTICE:

Under graduate engineering programme students frequently require guidance and counseling from their faculties to refresh their intellect. To minimize dropouts, improve performance and reduce stress of the students through personal counseling.

GOAL:

Mentors for first year students are from the department of Science & humanities and II, III and IV year students have their mentors from the respective departments. Department faculty members take care of the students till their graduation from the college.

- To monitor the students regularity & discipline
- To enable the parents to know about the performance & regularity of their wards.
- Improvement of teacher-student relationship
- Counseling students for solving their problems and provide confidence to improve their quality of life.

- Guiding students to choose right career path for job, higher studies, Entrepreneurship, etc.

THE CONTEXT:

Students undergo various problems of stress- personal, academic, physical, mental. Engineering education is a time bound course with time limitations to complete your work especially during the first two years. Students are new to professional college life and the demands of education; create a lot of stress, especially to hostel students who are away from family for the first time. Also, in the economically weaker students and students from educationally weak background, this creates a lot of complex and do not perform well due to inhibitions. Statistics reveal increasing number of suicides and dropouts. Considering the student-teacher ratio in classrooms, it is impossible at times to give personal attention to students in class. One solution therefore is a Mentor? who can form the bond with students in the true sense. Mentoring is required for students to achieve emotional stability and to promote clarity in thinking and decision making for overall progress.

THE PRACTICE:

The practice is that of creating an efficient mentor-ward system. Each teacher is assigned 15- 20 students for the complete duration of their study. They meet at least once a week to discuss, clarify and primarily to share various problems which may be personal, domestic, academic, etc. The Mentor's interacts with students, discusses all issues which affect their academic performance and helps the students in resolving their psychological issues, if any. Students are advised to contact the counselor directly. The goal is to help students reduce their stress, maximize academic and personal success, enhance personal development and improve the quality of life. Students are also free to meet the faculty for counseling services and many students approach the faculty for the same. The mentors encourage the students to participate in co-curricular and extracurricular activities and sports. Their academic performance and other activities are all recorded. Students should inform their mentors on all their movements like their absence from college, sickness etc. The mentors also keep in touch with the parents on their attendance, test performance, fee payment, examinations etc. The teacher is equipped with all the necessary information about his/her wards on a file. The teacher involves local guardians and parents as well, whenever necessary for any advice or help. At the end of every month the mentors prepare a report of their mentees progress. The mentors also counsel the students in need of emotional problems. When the students have any problem in any department either with the staff or with work completion the mentors speak with the respective staff and sorts out the problem. Mentors take special care of slow learners, who are given advice on how to study, prepare a time table for study and clarify the doubts and also given notes to study. The mentors of every batch are advised by department admin and academic in-charges. They will meet the mentors once a month and get the report of the progress and achievements of students and complaints of and by the students. These complaints are discussed with the Principal and necessary action taken to rectify the complaints.

EVIDENCE OF SUCCESS

The "Best Practices" in our institution is selected for study have made a difference in their ethos and functions regarding the quality of the education imparted as well as the quality of all its constituencies which together have made the educational activities effective. For example, if it is found, as it was found indeed, that all the constituencies are aware of the mission and the goals of the institution and have internalized them, it follows that their creative role in institutional planning and development is sound, the management inputs which focus on students and their achievements have made those institutions 'stand out' in planning, reviewing and revising the plans and acting again to have a dynamic management process which makes continuous improvement.

PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED:

- The diversity in students' background and upbringing i.e. lack in the art of effective articulation, introversion, indifferent attitude etc.
- Inadequacy in general guidance, career and professional related materials. This is due to the financial constraints faced by the management because the institution is dependent on grants.

BEST PRACTICES 2:

7.2.2 TITLE OF THE PRACTICE: Slow Learners Coaching System

OBJECTIVES OF THE PRACTICE:

The objective of the practice is to bring up the slow learners to get high marks in University examinations.

GOAL:

The slow Learners are identified at the beginning of academic session. The institution conducts remedial classes for them in different subjects to enhance their confidence skills and competence. Tracking the progress of students through Assignments. Define Test. Internal Test. Model Exams and Counseling. Rural student's lack of communication skills is a major concern in getting placement in top MNCs. The students are motivated to learn language with a varied range of vocabulary.

THE CONTEXT

In this coaching system, learning knowledge about a subject with basic concept and exam requirement. The students should gain adequate knowledge related to their subject. So that the slow learners also will participate in placement. Summary of the results of the evaluation indicating the level achieved is prepared and used as an input for setting targets for the next year. The results of these processes are utilized to effect continuous improvement of the academic processes and the programs offered. For doing this, assessment methods are used to gather the data upon which the evaluation of each objective is based.

THE PRACTICE

The special time table, coaching classes will be scheduled for the slow learners are conducted from the first year's onwards. As a beginning of the process domain wise guest lectures are invited to give classes for the slow learners to improve their subject knowledge and they are given some simple solutions for problematic subjects. Care is taken by faculty in monitoring the performance of slow learners. Faculty members do periodic interaction with parents about the performance of slow learners. Learning material prepared by subject handling faculty members is verified by the expert committee and will be uploaded in the portal regularly for student's reference. Departments conduct remedial classes', provide course notes for students especially the slow learners and those students who are at the average of dropping out due to arrear subjects. Such students are given regular class tests in order to improve their performance in the university exam. Further faculty members revise the tough topics as per the students requisition and provide university question bank and discuss the way of presenting the answers in the exam to score marks. Extra classes are organized to clarify doubts. Critical topics are re-explained for better understanding by the students. Appropriate counseling with additional teaching is done which eventually

results in students attending the classes regularly. At the end of the course the students are evaluated by the internal test at the regular intervals. The list of improved students is prepared and forwarded to the next level to improve them in academic and co-curricular activities.

EVIDENCE OF SUCCESS

The slow learners progress through the coaching classes, assignments and Test's should be conducted regularly to bring up the students to score high marks in University exams. The students who has attained good score in the

PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED:

  * No problems encountered.

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:

Training and Placement cell is functioning effectively in our college to enhance the students' skills to face the current industrial demands. We have meticulously designed our own training modules with the support of senior faculty members and Corporate HRs by keeping in mind the ongoing industrial needs. The Training and placement cell has good infrastructure facilities and well trained faculty members to develop the student's knowledge in both technical and communication skills. Our prime objective is to train the students vigorously to get them placed in top notch MNCs.

The prime objective of the Training Cell is

    To make students meet the industry requirements and to get them qualified.

    To give 100% employment for all students.

To train students with effective Career guidance Programmes.

To develop students communicate effectively

To motivate students to aim high and to guide them for competitive exams such as CAT, GATE, TOEFL, GRE, IES,UPSC,TNPSC etc.

Soft skills provide students with a strong conceptual and practical framework to build,develop and manage teams. They play an important role in the development of the students' overall personality, thereby enhancing their career prospects. The soft skills orientation to the students help them in building and improving their skills in communication, the effective use of English, business correspondence, presentations, team building, leadership, time management, group discussions, interviews, and inter-personal skills. The training also helps them to envision their career and to plan an effective resume writing and to deal with placement consultants and headhunters.Skills are a cluster of productive personality traits that characterize one's relationships in a milieu. Soft skills are highly important in today's diligent world. Soft skills include social skills, graces, communicative abilities, bodylaungauges and personal habits, cognitive or emotional empathy, time management, teamwork and leadership traits. Soft skills are commonly used to refer to the "emotional side" of human beings in opposition to the IQ (Intelligent Quotient) component related to hard skills" Hard skills are necessary for career employment and are generally quantifiable and measurable from an educational background, work experience or through interview. Soft skills that complement subject-specific knowledge and skills are commonly demanded by employers for entry-level employees and are therefore an important factor in increasing students' employability. However, soft skills are yet to be adequately taught in schools and universities. This might be due to the fact that the term soft skill is not so well- defined, especially in relation to the more widely used term 'competence'.Based on research with companies and best practices in universities and in halls of residence, we initiated certain guidelines to assist teachers and trainers at higher educational institutions to design and set up learning a environments that supports learning activities suitable for achieving the desired soft skills related learning outcomes. We focused on how soft skills can be mastered and took note of three main questions that interposed these presented guidelines: Soft skills such as communication ability, aptitude for interpersonal relations, and emotional intelligence often are downplayed. With skills such as HTML coding increasingly valued, those who excel in non-technical ways often find themselves at a disadvantage when looking for a job. But the results of a recent CareerBuilder survey lead us to wonder if the luck of those with non-technical strength soon may change.Soft skill training assures students to gain knowledge, values, skills, and practices that contribute to personal development, professional accomplishment in a changing world. Student learning outcome assessments provide us with systematic evidence of knowledge, competencies and educational experiences so that we can evaluate our progress, and are consistently successful, and target specific areas for improvement. Train students and working professionals on how to find the right job suitable for their talents and to help them grow at their workplace. Train people to develop planning, decision making, and goal setting skills. Helps people to enhance their communication that includes listening, voice, modulation, intonation and the art of a presentation. Help individuals to overcome problems of low self-esteem, fear and shyness. Instill leadership skills, team management and self-motivation skills in individuals. Train students and professionals on presentation and public speaking skills. The first challenge affecting soft skill assessment and development is balancing school needs, such as providing data for accreditation purposes, and student needs, such as receiving actionable developmental feedback. The second challenge affecting soft skill assessment and development is what has been called the "knowing-doing gap" in business school education. This gap describes the substantial disconnect between what students know and how skillfully they can apply such knowledge. The third challenge affecting soft skill assessment and development is the confusion about how to best instruct and measure such personal attributes. Since soft skills competencies aren't as clearly defined as hard skill competencies, many educators often develop a sentiment along the lines of, "If I cannot identify or measure the core competencies of soft skills, then I cannot teach those skills. As a trainer, educator or facilitator, you have probably experienced many good icebreakers,

exercises, and games that are essential for an engaging and effective soft skills training.

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 :

Entrepreneurship Development Cell (EDC) is the process of improving the skills and knowledge of entrepreneurship through various training and classroom programs. The following objectives are adopted by the EDC.

Objectives:

- Create Entrepreneurial eco system in Namakkal and Salem districts.
- Motivate students to become entrepreneurs.
- Develop business incubators/startups.
- Create fund to seed ventures.
- Create market linkages
- Connect all stakeholders of the entrepreneurial eco system.
- Increase the number of entrepreneurs Practice.

Our institution runs ED Cell with a view to produce skilled entrepreneurs. The cell comprises a coordinator and members to offer best entrepreneurship awareness programs to the students competently. They follow different modules in the lesson to upgrade the employability skills of the students. It strives to wipe out the unemployment situation through conducting various programs. The students are trained in various aspects in all the specified areas by the field experts. HR members from reputed organizations are invited to address the students and instill them what essential prerequisites required to set up an organization. Lofty ideas and vivid suggestions are given to the students by them. They also motivate them to come up with innovative ideas to start the business. It conducts Business Idea contest every year to encourage the stakeholders. Not only stakeholders, even outsiders from Namakkal and Salem districts take part in the idea contest enthusiastically and showcase their innovative ideas. The best idea's contestant is selected by the jury members and given award to appreciate them. The management supports the economic deprived persons by helping them financially to start their own ventures. Every year the cell functions various programs by inviting business stalwarts to share their own experiences to the students and stakeholders. Many latent skills of students are tapped and found out in such programs. Our incubation center is giving the contestants ideas and rooms to develop their innovative ideas into a product. Training and all kind of supports are given to develop product/design /marketing and to startup their own business.

Concluding Remarks :

Our institution is getting ready to attain autonomous status. The best practice of our intuition is serving to the rural background students and makes them socially responsible and professional engineers. Through their transformation their living society would feel proud of them. Students' economical condition would not stop continuing their education at any cost. Hence our institution identifies such kind of economically weaker students and provides them merit scholarship to continue their studies. Students' activities are constantly monitored by the counselors and proper counseling is given to them at the time of requirement. Utmost care is taken by each staff members to give the best education to the students. Students are also exhorted to execute their latent skills to the world through attending various outreach programmes.

The institution is extending its full support to the students to transform them as entrepreneurs/ engineers. It never compromises its standardization to provide the best environment to the students. All the laboratory equipment is purchased as per AICTE & Anna University norms. Girls' students are also given equal importance to hone their skills. They are motivated to attend outside programmes with a view enriching their co-curricular prowess. Their safety and security is ensured round the clock through various cells. Women Empowerment Cell (WEC) is the primary one to bring out the hidden talent of the girls students. Women staff members are taking care of the girls' students and continuously monitor them to counsel / attend their needs.

The institution is functioning successfully to become one of the top institutions in the Namakkal district and Tamil Nadu. The stakeholders' meeting is conducted periodically in the college campus. They are given chances to let out their issues if they have any at end of the meeting. Their issues are noted by the concerned authority. And their grievances are redressed as soon as possible. Our main objective is to make the stakeholders satisfied and solve their demands without compromising any qualities.

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: D. Any 1 of the above Remark : DVV has select D. Any 1 of the above as per shared nomination letter of SI.No.4 by HEI. Provided nomination letter not received from affiliated college.
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 : 18 Answer after DVV Verification: 14
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: | 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 | | 880 | 815 | 845 | 776 | 649 | Answer After DVV Verification : | 2019-20 | 2018-19 | 2017-18 | 2016-17 | 2015-16 | | 543 | 456 | 430 | 390 | 350 | Remark : DVV has made the changes as per shared pro-rata basis of certificates by HEI. DVV has excluded the courses such as Network Analysis and Synthesis, Introduction to Python, Oracle Database Administration, ERP in Business Management and courses conducted by external agencies.
1.3.2	**Average percentage of courses that include experiential learning through project work/field work/internship during last five years**

The 1.2.3 cell contains two tables:

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
880	815	845	776	649

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
543	456	430	390	350

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:

2019-20	2018-19	2017-18	2016-17	2015-16
235	264	250	245	231

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
19	19	19	19	19

Remark : DVV has made the changes as per Anna university curriculum.

| 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:

2019-20	2018-19	2017-18	2016-17	2015-16
327	445	490	472	388

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
326	442	483	469	385

Remark : DVV has made the changes by looking at seats earmarked against admitted reserved students .

| 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 : 882
Answer after DVV Verification: 656

Remark : DVV has made the changes as per shared experience of full time teachers shared by HEI. DVV has not considered experience less than 1 year and teacher's experience whom left the college.

| 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:

2019-20	2018-19	2017-18	2016-17	2015-16
733	409	448	443	487

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
733	409	448	443	487

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:

2019-20	2018-19	2017-18	2016-17	2015-16
754	693	638	504	549

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
754	698	638	505	549

Remark : DVV has made the changes as per shared report of passed and appeared students by HEI.

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:

2019-20	2018-19	2017-18	2016-17	2015-16
15.66	0	0	0	0

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

Remark : DVV has not considered grants from AICTE is for MODROB .

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:

2019-20	2018-19	2017-18	2016-17	2015-16
15	2	8	5	17

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
8	2	4	3	6

Remark : DVV has only considered workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship.

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:

2019-20	2018-19	2017-18	2016-17	2015-16
40	97	4	5	7

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
19	48	4	3	4

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:

2019-20	2018-19	2017-18	2016-17	2015-16
14	12	17	4	1

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
5	3	2	0	1

Remark : DVV has not considered ISSN number. DVV has considered only first page with ISBN .

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:

2019-20	2018-19	2017-18	2016-17	2015-16
5	3	2	2	3

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
1	1	0	1	0

Remark : DVV has made the changes as per shared award by HEI. Dvv has not considered award received from Salem Blood Bank.

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:

2019-20	2018-19	2017-18	2016-17	2015-16
14	28	26	30	26

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
0	0	0	0	0

Remark : DVV has not considered MODROB letter & placement letters.

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:

2019-20	2018-19	2017-18	2016-17	2015-16
82.4	16.84	12.47	20.57	34.08

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
82.41	16.84	12.48	20.57	34.08

4.3.3	**Bandwidth of internet connection in the Institution**
	
	    Answer before DVV Verification : A. ?50 MBPS
	    Answer After DVV Verification: E. < 5 MBPS
	  Remark : Shared bill are in the name of Gnanamani Educational Institution. Hence cannot be considered.

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: Answer After DVV Verification :
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: Answer After DVV Verification :

4.4.1 Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
187.66	147.8	123.19	39.4	37.15

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
187.67	147.8	123.20	39.41	37.16

5.1.2 Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
639	676	485	195	87

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
545	450	367	78	56

Remark : DVV has excluded the students whom got scholar ship under 5.1.1.

| 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:

2019-20	2018-19	2017-18	2016-17	2015-16
1622	1532	1355	1082	990

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
564	650	125	455	100

Remark : DVV has not considered programmes such as Quantitative Aptitude, Reasoning & Puzzles, Technical Aptitude & Problem Solving, Career Opportunities in Higher Education as they are general in nature and not for specific competitive exams or specific profession. DVV has counted one student once for a year.

| 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:

2019-20	2018-19	2017-18	2016-17	2015-16
589	486	442	353	354

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
356	250	235	189	190

Remark : DVV has given the input as per pro-rata basis of shared placement letters by HEI. DVV has not considered email offers and graduate trainee, internship letters.

| 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:

2019-20	2018-19	2017-18	2016-17	2015-16
7	2	1	1	0

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
2	1	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:

2019-20	2018-19	2017-18	2016-17	2015-16
8	2	1	1	0

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
8	2	1	1	0

Remark : DVV has given the input as per pro-rata basis . Qualifying certificate has not provide by HEI. Most of the documents are in regional language. Mail letter and Admission letter has not considered.

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: | 2019-20	2018-19	2017-18	2016-17	2015-16 | |---|---|---|---|---| | 3 | 1 | 1 | 0 | 1 | Answer After DVV Verification : | 2019-20	2018-19	2017-18	2016-17	2015-16 | |---|---|---|---|---| | 0 | 0 | 0 | 0 | 0 |
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:

2019-20	2018-19	2017-18	2016-17	2015-16
38	33	21	22	23

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
15	18	12	10	12

Remark : DVV has counted one activity once for a year. DVV has considered events not activities.

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: C. 2 of the above Remark : DVV has select C. 2 of the above as per shared screenshots for SL No. 3 AND 4 by HEI.
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:

2019-20	2018-19	2017-18	2016-17	2015-16
10	14	10	8	9

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
8	7	9	7	9

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:

2019-20	2018-19	2017-18	2016-17	2015-16
138	143	104	81	96

Answer After DVV Verification :

2019-20	2018-19	2017-18	2016-17	2015-16
42	53	73	15	41

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: <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>10.16</td><td>3.31</td><td>0</td><td>0</td><td>0</td></tr></table> Answer After DVV Verification : <table><tr><td>2019-20</td><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td></tr><tr><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td></tr></table>
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: C. 2 of the above Remark : DVV has select C. 2 of the above as per shared report of IQAC and Quality Certificate by HEI. Provided NIRF data for the year 2018-19 not considered.
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: B. 3 of the above Remark : DVV has select B. 3 of the above as per shared documents of (SL. No. 1, 2 & 3) by HEI.
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: B. 3 of the above Remark : DVV has select 3 of the above as per shared circulars of (SL No. 3, 4 & 5) by HEI.
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: B. 3 of the above Remark : DVV has select the 3 of the above as per shared documents for (sl no. 1,2 & 3).
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: C. 2 of the above Remark : DVV has select 2 of the above as per supporting's for Sl No. 2 and 4 by HEI.

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:

2019-20	2018-19	2017-18	2016-17	2015-16
451	447	440	442	433

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
884	820	820	765	765

1.2 | **Number of programs offered year-wise for last five years**

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
18	18	19	17	17

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
26	26	19	17	17

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:

2019-20	2018-19	2017-18	2016-17	2015-16
597	721	738	734	734

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
595	719	731	731	731

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
218	257	269	273	234

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
155	196	254	246	234

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
186	197	255	247	235

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
155	196	254	246	234

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

Answer before DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
1085.61	945.76	729.21	594.34	520.89

Answer After DVV Verification:

2019-20	2018-19	2017-18	2016-17	2015-16
990.55	885.84	631.71	520.57	468.78

4.3 **Number of Computers**
Answer before DVV Verification : 793
Answer after DVV Verification : 550