

DHANALAKSHMI SRINIVASAN

COLLEGE OF ENGINEERING AND TECHNOLOGY

ECR, MAMALLAPURAM, CHENNAI-603 104.

INTERNAL QUALITY ASSURANCE CELL

**ANNUAL QUALITY ASSURANCE REPORT
2015 - 2016**

Submitted to

**National Assessment and Accreditation Council
Bangalore, India**

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The Annual Quality Assurance Report (AQAR) of the IQAC 2015-16

Part – A

1. Details of the Institution

1.1	Name of the Institution	DHANALAKSHMI SRINIVASAN COLLEGE OF ENGINEERING AND TECHNOLOGY
1.2	Address Line 1	East Coast Road
	Address Line 2	MAMALLAPURAM
	City	CHENNAI
	State	TAMIL NADU
	Pin Code	603 104
	Institution Mail Address	dscet@yahoo.co.in
	Contact No's	044 – 27442844, 27443844
	Head of the Institution	Dr. K.SENTHIL KUMAR
	Telephone Number	044 – 27442844 (Ext : 650)
	Mobile Number	9585594586
	IQAC Coordinator	Mr. Pon.ARIVANANTHAM Associate Professor, CSE department
	Mobile Number	9444290474
1.3	NAAC Track ID	TNCOGN20786
	OR	
1.4	NAAC Executive Committee No. & Date:	EC(SC)/06/A&A/036 dated 01.05.2015

1.5 Website address: www.dscet.ac.in

Web-link of the AQAR www.dscet.ac.in/AQAR2016/AQAR2016.pdf

1.6 Accreditation Details

S.No	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.07	2015	2015-2020

1.7 Date of Establishment of IQAC 25.01.2014

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*for example AQAR 2010-11 submitted to NAAC on 12-10-2011*)

This being the first AQAR after NAAC accreditation, this question is not applicable.

1.9 Institutional Status

University State - Central - Deemed - Private -

Affiliated College Yes No -

Constituent College Yes - No -

Autonomous college of UGC Yes - No -

Regulatory Agency approved Institution Yes No -
(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution	Co-education	<input checked="" type="checkbox"/>	Men	<input type="checkbox"/>	Women	<input type="checkbox"/>
	Urban	<input type="checkbox"/>	Rural	<input checked="" type="checkbox"/>	Tribal	<input type="checkbox"/>
Financial Status	Grant-in-aid	<input type="checkbox"/>	UGC 2(f)	<input type="checkbox"/>	UGC 12B	<input type="checkbox"/>
	Grant-in-aid + Self Financing	<input type="checkbox"/>	Self-financing	<input checked="" type="checkbox"/>		

1.10 Type of Faculty/Programme

Arts	<input type="checkbox"/>	Science	<input type="checkbox"/>	Commerce	<input type="checkbox"/>	Law	<input type="checkbox"/>	PEI (Phys Edu)	<input type="checkbox"/>
TEI (Edu)	<input type="checkbox"/>	Engineering	<input checked="" type="checkbox"/>	Health Science	<input type="checkbox"/>	Management	<input checked="" type="checkbox"/>		
Others (Specify)	-								

1.11 Name of the Affiliating University ANNA UNIVERSITY, CHENNAI

1.12 Special status conferred by Central/ State Government/UGC/CSIR/DST/DBT/ICMR etc.

Autonomy by State/Central Govt./University	No
University with Potential for Excellence	No
UGC-CPE	No
DST Star Scheme	No
UGC-CE	No
UGC-Special Assistance Programme	No
DST-FIST	-
UGC-Innovative PG programmes	No
UGC-COP Programmes	No
Any other (Specify)	Received 2(f) and 12(B) Status from UGC

2. IQAC Composition and Activities

2.1	No. of Teachers	4
2.2	No. of Administrative/Technical staff	1
2.3	No. of students	2
2.4	No. of Management representatives	3
2.5	No. of Alumni	2
2.6	No. of any other stakeholder and community representatives	2
2.7	No. of Employers/ Industrialists	1
2.8	No. of other External Experts	2
2.9	Total No. of members	16
2.10	No. of IQAC meetings held	07
2.11	No. of meetings with various stakeholders:	
	Faculty	12
	Non-Teaching Staff	2
	Students	4
	Alumni	2
	Others	-
2.12	Has IQAC received any funding from UGC during the year?	

No

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total No's	23
International	01
National	15
State	02
Institutional Level	05

(ii) Themes - Faculty Quality Improvement

2.14 Significant Activities and contributions made by IQAC

IQAC plays a major role in internalizing a culture of quality within the institution. The following are the active contributions given by IQAC in the Academic year: 2015-16

1. IQAC reviewed the academic performance of all the department and suggested steps to improve overall teaching learning practice to the management.
2. The feedback received from the parents and students through the academic committee were recommended to the faculty members to take active actions.
3. Updation of the college website is done promptly.
4. Enhancement in research work of the faculty and students is done.
5. The student's wing meets periodically (every month) to plan activities which will enhance the quality of the student's life inside the campus.
6. Upgraded library facilities by subscription to e-journals and providing inter-connectivity with other libraries.
7. The IQAC, through its activities is an active agent in the institution ensuring productive outcomes in academic and administrative tasks.

8. Governing council meeting held on regular basis with members of the committee as a part of Academic Review activity.
9. Seminars, conferences and invited talks conduct regularly.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out in the beginning of the year towards quality enhancement and the outcome achieved is reviewed by the end of the year

Plan of Action	Achievements
1. Motivate the faculty members for undertaking quality research activities and bring out more number of research projects and publications.	1. Research projects ongoing and sanctioned for a total worth of Rs 18.47 Lakhs Publications: Journals –14 and Conferences - 38.
2. Encourage faculty members to apply and organize funded workshops /seminars /conferences in national and international levels.	2. Workshops/seminars/conferences organized International – 01; National – 15 Institution - 5
3. Increase the students placement activities	3. No. of students placed On campus – 448; Off Campus – 30
4. Enhance the number of electives in curriculum to meet out employee market needs	4. No. of electives added in curriculum – 12
5. Increase the infrastructural facilities of the institution to promote research	5. Equipments are purchased by individual departments to promote research activities
6. Create awareness among students about Entrepreneurship through Entrepreneurship development Programmes	6. An Entrepreneurship development programme was organized for the benefit of the students
7. Minimize the use of papers in administration	7. E-management system has been implemented to communicate

	effectively among students and faculty members and staff.
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Academic Calendar attached in **Annexure - I**

2.15	Whether the AQAR was placed in statutory body	Yes
	Management	Yes
	Syndicate	-
	Any Other Body Specify	-

Provide the details of the action taken

<p>After careful investigation of AQAR, the management advised to rectify all the shortcomings in the forthcoming academic year in addition to examination and evaluation reforms. Encouraged the faculty members to have additional qualification (SET/NET).</p>

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Program	Number of Existing Programmes	Number of Programmes added during the year	Number of Self-financing Programmes	Number of value added/ career oriented programmes
Ph.D.	2	-	2	-
P.G.	8	-	8	-
U.G.	7	-	7	-
P.G. Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	17	-	17	-

1.2 (i) Flexibility of the Curriculum **CBCS/Core/Elective option/Open options**

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	17
Trimester	-
Annual	-

1.3 Feedback from stakeholders **(On all aspects)**

Alumni	1
Parents	2
Employers	1
Students	4

Mode of feedback : **Online / Manual / Co-operating schools (for PEI)**

Analysis enclosed in **Annexure - II**

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

No

1.5 Any new Department/Centre introduced during the year. If yes, give details.

No

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
248	192	35	21	--

2.2 No. of permanent faculty with Ph.D.

49

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
41	--	1	1	3	--	--	--	45	0

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	21	-
---	----	---

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	32	78	-
Presented papers	32	78	-
Resource Persons	-	10	-

2.6 Innovative processes adopted by the institution in Teaching and Learning

1. Curriculum and syllabus updation based on Outcome Based Education.
2. Use of ICT in teaching.
3. Presentation and Interactive sessions of students, Guest Lectures, Soft skill training programs.
4. Establishing the session plan for every subject well before the commencement of each semester along with the course hand outs which are made available to all students on the start of the academic year
5. Lecture notes and study materials [soft copy-power point/PDF presentation] are shared with students.
6. Teaching faculty and students are encouraged to use latest technology such as LCD, internet, etc., in the teaching learning process.
7. Creation of learning environment in classes which induces critical thinking, creativity and scientific temper.
8. Recognition to innovative and creative contributions of faculty and students.
9. Sharing the experiences of experts in the form of guest lecture and practical demonstrations.

2.7 Total No. of actual teaching days during this academic year

180

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions)

- i. Daily review test has been conducted in one subject
- ii. All Internal Assessment Tests have been conducted as per University Question Pattern.
- iii. Value-added courses during semester, Enhanced Industrial Visits, and Placement - Training Modules/Soft Skills.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as member of Board of Study/Faculty/Curriculum Development workshop

02

-

-

2.10 Average percentage of attendance of students

92%

2.11 Course/Programme wise distribution of pass percentage

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.E ELECTRONICS AND COMMUNICATION ENGINEERING	133	1	88	12	-	75.9
B.E ELECTRICAL AND ELECTRONICS ENGINEERING	37	-	24	4	-	75.7
B.E COMPUTER SCIENCE AND ENGINEERING	119	1	79	14	-	78.9
B.E MECHANICAL ENGINEERING	141	1	100	17	-	76.6
B.E AERONAUTICAL ENGINEERING	57	-	28	1	-	50.8
BTECH INFORMATION TECHNOLOGY	55	1	37	6	-	80.0
M.E APPLIED ELECTRONICS	6	-	6	-	-	100
M.E COMMUNICATION SYSTEMS	12	1	11	-	-	100
M.E COMPUTER SCIENCE AND ENGINEERING	14	-	14	-	-	100
M.E. -POWER ELECTRONICS AND DRIVE	9	1	6	-	-	77.78
M.E CAD/ CAM	7	-	5	-	-	71.43
M.E AERONAUTICAL ENGINEERING	15	-	11	-	-	73.33
MASTER OF BUSSINESS ADMINISTRATION	29	-	21	1	-	75.9
MASTER OF COMPUTER APPLICATIONS	50	2	44	1	-	94.0

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes

1. Attainment of course outcomes and mapping of course outcomes with program outcomes are evaluated by the Academic Audit Cell.
2. Improvement in teaching and learning processes are monitored by academic advisory committee.
3. The IQAC regularly conducts meeting with students and obtains feedback on teacher quality and teaching methods which provides input and suggestions for improvement.
4. Evaluation of Teaching and learning process is also done through oral, written exams, presentations and projects of the students.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	02
UGC – Faculty Improvement Programme	-
HRD programmes	10
Orientation programmes	15
Faculty exchange programme	2
Staff training conducted by the university	-
Staff training conducted by other institutions	12
Summer / Winter schools, Workshops, etc.	25
Others	-

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	7	1	2	-
Technical Staff	94	-	12	-

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

1. Faculty members are encouraged by providing incentives for research papers publications in Journals.
2. Addressing various research schemes through Research and Development Cell.
3. Persuading to make provision of seed funding activities like conferences, seminars, Workshops, FDP, etc
4. Financial Assistance to faculty for presenting technical papers in National/International Conferences / Seminars
5. The institution has acquired 12B certification. The faculty members are encouraged to apply for minor/ major funded projects from UGC/ AICTE.
6. IQAC promotes faculty members to registers Ph.D . Special leaves are sanctioned for course work, conferences and seminars.

3.2 Details regarding major Projects

Nil

3.3 Details regarding minor projects

Nil

3.4 Details on research publications

	International	National	Others
Peer Review Journals	12	4	3
Non-Peer Review Journals	8	5	3
e-Journals	7	5	2
Conference proceedings	14	8	4

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2015-2020	TATA Honey Well Ltd.	180000	40000
Minor Projects	2015-2016	L & T Infotech	45000	12000
	2015-2017	I Master Technologies	35000	10000
	2015-2017	BASAVESHWAR Sugars Ltd	38000	8000
Interdisciplinary Projects	2015-2016	MM Micro systems	80000	20000
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	2015-16	DHANALAKSHMI SRINIVSAN CHARITABEL TRUST	45000	15000
Students research projects (other than compulsory by the University)	2015-2017	IGCAR Kalpakkam	150000	40000
Any other(Specify)	-	-	-	-
Total			573000	145000

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

N/A

3.9 For colleges
 Autonomy CPE DBT Star Scheme
 INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy

Level	International	National	State	University	College
Number	-	-	-	-	-
Sponsoring agencies	-	-	-	-	-

3.11 No. of conferences Organized by the Institution

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs :

From Funding agency From Management of University/College

Total

3.16 No. of patents received this year

Nil

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institute in the year

Total	International	National	State	University	Dist	College
--	--	--	--	--	--	--

- 3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them 1
2
- 3.19 No. of Ph.D. awarded by faculty from the Institution 1
- 3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

- 3.21 No. of students Participated in NSS events:

University level State level
 National level International level

- 3.22 No. of students participated in NCC events:

We have No NCC Units in our College.

- 3.23 No. of Awards won in NSS:

University level State level
 National level International level

- 3.24 No. of Awards won in NCC:

N / A

- 3.25 No. of Extension activities organized

University forum College forum
 NCC NSS Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

Through NSS

- Conducted Electrical safety awareness program in Vadakadambadi village.
- Conducted Cleanliness awareness program in Vadakadambadi village.

Through Clubs

- Blood donation camp by Leo club
- Medical Camp for free medical check up
- Water conservation week.
- Energy conservation meetings
- Dental Camp organized through Rotract & Leo club
- Enaitha kaigal organized through Rotract club
- Plastic awareness program by Leo club
- Voters awareness program by NSS.

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	42362 Sq.m.	-	-	42362 Sq.m.
Class rooms	4021	330	Management	4351
Laboratories	6904	264	Management	7168
Seminar Halls	1342	-	-	1342
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	-	1	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	1.35	Management	-
Others	-	-	-	-

4.2 Computerization of administration and library

1. Use of OPAC software in library.
2. Use of computers and data storage in all administration & library sections.
3. Use of ERP system for student attendance and assessment marks entry.
4. Use of Tally software for account maintenance.
5. Library materials & services are automated with commercial software called NIRMALS.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	36172	3788612	590	233134	36762	4021746
Reference Books	1890	1134556	1212	11838	3102	1146394
e-Books	500	Free	103	Free	603	Free
Journals	315	513860	81	162000	396	674860
e-Journals	3500	232500	4240	110000	7740	342500
Digital Database	1	62500	1	11500	2	74000
CD & Video	2000	200000	829	82900	2829	282900
Others (specify)	5	25000	1	10000	6	35000

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	675	15	50	1	2	1	10	-
Added	25	-	20	-	-	-	-	-
Total	700	15	70	1	2	1	10	-

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

1. The campus is Wi-Fi. 24x7 Internet in all Departments, Hostels and centralized computer laboratories.
2. The Computer with 50 Mbps internet access is available to all the faculty members and even to non-teaching staff members (both office and departments)
3. The Classrooms, seminar halls, conference halls, Auditoriums are equipped with LCD Projectors with all accessories

4.6 Amount spent on maintenance in lakhs :

i) ICT	6 Lakhs
ii) Campus Infrastructure and facilities	5 Lakhs
iii) Equipments	7.5 Lakhs
iv) Others	1.5 Lakhs
Total :	15 Lakhs

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

IQAC provides information regarding various scholarship available and directs, encourage students to avail them. Every year students of all the batches are reoriented to spread the awareness of student support services available.

Training & placement assistance through alumni.

Placement brochure at Training & Placement cell.

Gate coaching.

Common computer centre for surfing.

Provision of Hi-tech Gym.

Health centre facility.

Grievance and Redressal committee.

Arrangement of Industrial Visit to enhance practical knowledge.

5.2 Efforts made by the institution for tracking the progression

1. Feedbacks are obtained from the students, faculty, parents and alumni of the institution.
2. Students progressions are tracked regularly by discussing in the meeting with HOD's, Class Co-coordinators and the Faculty members.
3. Result Analysis: enables easy understanding of the performance level.
4. Student Representatives are invited to attend the Class Committee Meetings.
5. Highlighting achievements of students in College news letter.
6. Arranging parents meet and informing them the progress of the student.
7. A mentor is allocated for a batch of 20 students in each programme to monitor and counsel the students progress in academic as well as extra-curricular activities.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2143	210	-	-

(b) No. of students outside the state

103

(c) No. of international students

-

No	%
1545	65.6

Men

No	%
808	34.3

Women

Last Year (2014-15)						This Year (2015-16)					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
195	308	5	1684	1	2193	195	313	3	1845	1	2353

Demand ratio 1:2

Dropout % 0.2

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

1. Online aptitude Test
2. Technical aptitude test
3. Technical Seminar
4. Group Discussion
5. Aptitude classes for placement
6. Conferences
7. Special Training Program on new Technology
8. Gate coaching classes
9. Career Development program

No. of students beneficiaries

580

5.5 No. of students qualified in these examinations

NET SET/SLET GATE CAT

IAS/IPS etc State PSC UPSC Others

5.6 Details of student counselling and career guidance

1. Student counselling is done by their respective counsellors of the departments.
2. Each and every student is allocated to counsellors who will take care of that particular student's academic personal wellbeing.
3. Student grievances are addressed by the grievance cell.
4. Student mentor system to counsel and guide the students interms of carrier development.
5. Technical orientation programme and Bridge Course for I year students
6. Aptitude Training Programme to enhance the problem solving skills of students.
7. Student Counseling on Ethics and Social Development.
8. Organizing yoga programmes to improve the self confidence of students.
9. Organizing National level Seminars and Conferences for students to do the Research and projects in the fields: Natural Language Processing, Image Processing, Networking, Data Mining, Network Security and Cloud Computing technologies.

No. of students benefitted

260

5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
54	480	448	30

5.8 Details of gender sensitization programmes

The college has a separate women's cell which regularly conducts various programs for the wellbeing of the women students. An Awareness program on women personal Hygiene organized by women's cell on 28.07.15.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	120	1400000
Financial support from government	2218	46898620
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed:

For maintaining pollution free campus, bio-gas recourses are used.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION

A world class nodal centre committed to advanced learning, research and training to serve the nation, meeting the national/international standards

MISSION

To be a premier Engineering college, much sought after by the industries and societies by offering professional education and training blended with moral and ethical values as to convert student resources in to strong assets of our nation.

6.2 Does the Institution has a management Information System

The Institution has established e-Governance

1. Fee payment through online Internet Banking and Wire Transfer.
2. The students can view their attendance status online.
3. Notifications of academic activities are informed to students/parents.

Administrative Procedures

1. Major Academic/Administrative decisions are being addressed by the College Council
2. Departmental performances are monitored through Departmental Academic Committee (DAC)
3. Use of Tally for Accounting Purposes.
4. Regular meetings of the Principal with the Administrative heads.
5. Periodical meetings of various committees and decision making therein.
6. All records / documents /minutes are maintained as per guidelines.
7. Maintaining records in e-form is under consideration.

Administrative Reforms

The Management has prescribed clear-cut norms for staff members which is provide in the form of a booklet and also uploaded on the college website Evaluation and Examination Procedures

1. The Institution follows the guidelines prescribed by the Affiliated University from time to time. The statutory bodies like Academic Council, Board of Studies (Department/Cluster), Board of Examiners (BOE), Finance Committee (FC), Controller of Examination (COE) and Deans are in place.
2. The College publishes Academic Calendar for each session;
3. The evaluation of the student is based on CIE [Continuous Internal Evaluation] and SEE [Semester End Examination];
4. The office of the Controller of Examinations facilitates the conduction of CIE and SEE in accordance with Affiliating university guidelines .

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

1. Feedback on Curriculum from academic peers
2. Inputs from faculty, students, alumni and industry representatives obtained through organized meetings fed into the Board of Studies.
3. A meeting of alumnus, industrial experts and entrepreneurs is convened for each program to modify the curriculum and syllabi for the present need of the industries.
4. Based on the suggestions of the experts, the curriculum and syllabus have been revised and passed in the board of studies meeting and academic council meeting.
5. Syllabus is framed by the Affiliating University.
6. At least one course in ICT is a part of core courses in each department. Value based courses have been introduced aimed at holistic development of the students.

6.3.2 Teaching and Learning

1. Implementation of outcome based education.
2. Defining course outcomes to meet out program outcomes.
3. Identifying content delivery method.
4. Assessing the students using various evaluation techniques for the attainment of course outcomes.
5. ICT method of teaching is followed
6. Live-demos of working models using you tube
7. Readings and discussions of state-of-the-art literature
8. Academic research
9. Guest lecturers
10. Case studies seminars
11. Intensive courses
12. Discussion with groups
13. Field trips and lab lectures
14. Mentoring
15. Tutorial teaching

6.3.3 Examination and Evaluation

1. Evaluation of marks comprises of Internal marks from continuous assessment test and external marks scored in End Semester Examination.
2. Continuous Assessment Tests are carried out by the office of the Controller of Examinations.
3. Both the marks in the continuous assessment and End Semester Examinations are considered while declaring the results.
4. Mentor system is introduced to evaluate the progress of the students throughout the programme.

6.3.4 Research and Development

1. Every program has separate research centre approved by Anna University
2. Research committee has been constituted for inculcating research atmosphere and to review the progress of research activities in the campus
3. Incentives for research publications and research projects are provided
4. A significant percentage of the total budget is earmarked for research.
5. The College has been continuously augmenting infrastructure for facilitating research in the campus.

6.3.5 Library, ICT and physical infrastructure / instrumentation

1. OPAC Software is provided for personal assistance to each and every user while accessing the library books
2. Library staff also guides the users in subsequent uses.
3. Every department has individual smart class room.
4. Every department has individual LCD projector system with internet connection.
5. Wi-Fi enabled campus.
6. Internet Bandwidth of
7. Upgrading gym facilities.

6.3.6 Human Resource Management

1. In the institution, the process of assessing adequate human power requirements, staff recruiting, monitoring and planning professional development programmes for personnel development and seeking appropriate feedback responses are very good.
2. Recruitment of faculty and staff are based on the guidelines provided by Anna University and AICTE, New Delhi.
3. There are many staff welfare schemes namely EPF, Group insurance and Accidental policy
4. ERP Biometric system is introduced for all the administrative modules of the institution.
5. Sponsorship of Higher Studies for Faculties
6. Organizing Developmental training programme and workshops/seminars for enhancing the multi-skills of faculties.
7. Incentives are given to the Faculties for their contribution in research.
8. Effective appraisal system has been followed to assess the performance of faculties.

6.3.7 Faculty and Staff recruitment

1. Releasing the advertisement in the Leading daily newspapers.
2. Scrutinizing of Application as per the college norms.
3. Conducting Interview in the presence of External Experts and University Nominees.
4. Selection of Candidates as per the norms of staff selection committee.

6.3.8 Industry Interaction / Collaboration

MoU's have been signed with the following concerns for to enhance the campus recruitment and project training for the student community,

a. M/s. Edgate Technologies, Bangalore

b. Sri Seshaa Technologies, Chennai

Library has signed MoU with DELNET, New Delhi.

6.3.9 Admission of Students

The students are admitted according to the Anna University/ TamilNadu Government / AICTE Norms.

6.4 Welfare schemes for

Teaching	Transport facilities Staff Quarters Medical and Maternity Leave EPF
Non teaching	Transport facilities, Staff Quarters, Medical and Maternity Leave, EPF
Students	NSS, ISTE chapter, IEEE, YRC, Rotract.

6.5 Total corpus fund generated

NIL

6.6 Whether annual financial audit has been done Yes

No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	SSN ENGINEERING COLLEGE	Yes	PRINCIPAL
Administrative	Yes	DHANALAKSH MI SRINIVASAN CHARITABLE TRUST	Yes	CAO

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

1. Course co-ordinators are requested to set questions as per Blooms Taxonomy for internal evaluation.
2. Continuous Internal Assessment Test are conducted in a Centralized Manner as per the Affiliating University Norms.
3. Results of the end semester examinations are published by the Affiliating University.
4. Challenge Valuation can also be encouraged by the Affiliating University.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

University published Some Rules and Regulations for providing autonomy.

GUIDELINES FOR AWARD OF FRESH AUTONOMOUS STATUS

The college should be offering at least four branches of B.E. / B.Tech. / B.Arch. degree programmes for a minimum period of 10 years and at least two branches of M.E. / M.Tech. degree courses as on date.

The college should be currently affiliated to Anna University and should have obtained permanent affiliation for atleast three B.E / B.Tech./ B.Arch. degree programmes.

Minimum of three B.E / B.Tech./ B.Arch degree programmes should have been accredited by the NBA (National Board of Accreditation) or should have NAAC accreditation with not less than B-Grade or equivalent. The institutions in the process of renewal of NBA accreditation or NAAC accreditation with B-Grade or equivalent are also eligible.

At least two Engineering departments should have been recognized as research centres of the University as on date.

Average experience of the eligible faculty should be atleast 4 years for all the courses put together which are offered for the last 10 years or more including the faculty belonging to General Engineering, Science and Humanities.

Students enrollment in the first year should be at least 75% of the sanctioned intake on an average during the last three years.

The overall pass percentage of the students in the University examinations shall be not less than 70% on an average over the last three years.

6.11 Activities and support from the Alumni Association

Alumni meet is scheduled every year in the month of March. Senior Alumni having companies conduct campus interviews and recruit the Students. The Alumni working in MNCs will make arrangements to interact our college with HR for our student recruitment. They also involve in activities like conducting training programmes, seminars and workshops. The Alumni have also contributed scholarships for the poor students. Alumni have donated laptops for the benefit of hostel inmates.

6.12 Activities and support from the Parent – Teacher Association

PTA meeting is conducted twice in a year. Suggestions are received from the parents for the improvement of the institution. Also the difficulties faced by the students are got and they are rectified before the next PTA meeting. According to the parents' suggestion in last year PTA meeting, this year, the students are given training programmes to improve their communication.

6.13 Development programmes for support staff

The Institution regularly organises training programmes for non-teaching staff members. The non-teaching staff are also deputed to various training programmes [both in-house and external]. Supporting Staffs are encouraged to higher studies. So many staffs are recruited through interview and appointed as a teaching staffs.

For e.g: Communication class, Computer Literacy programme

6.14 Initiatives taken by the institution to make the campus eco-friendly

- i. The College has a green campus and peace ambience with sylvan surroundings
- ii. The College has a Bio Gas Plant which helps in producing electricity
- iii. Campus is completely pollution free
- iv. Every Year new saplings are added to greenish the campus
- v. Rain Water Harvesting

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

1. Introduced Outcome Based Education
2. Faculties are insisted to identify the best content delivery methods to attain Programme outcomes thro' course outcomes
3. Faculties are requested to identify the best assessment tools to evaluate the performance of students in attaining Course outcomes
4. The following Career development programmes are organized to enhance student skills Company Specific Training Programme for TCS, WIPRO, Etc...
5. Soft skill training programme
6. Conducting value added courses
7. To create Environmental awareness among the students the syllabi of Environmental science subject has been modified related to programme
8. Comprehensive laboratory has been introduced to improve the communication skills of the rural based students
9. Staff and students are encouraged to prepare E-Assignments and E-Notes.
10. Coaching classes are conducted for students for various competitive examinations.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

POINT	ACTION TAKEN
Publication in Journals are to be improved	a) Advising faculties to register for Ph.D b) Incentives for publications c) Providing financial support and special leaves for attending workshops/Conferences and Training programmes 5 faculty members have registered to pursue their Ph.D.
Academic Review activity	Governing council meeting of Presidency College is held on a regular basis to review academic performance
Alumni Meet	Organized the Alumni Meet for all UG & PG alumns
Workshop/Seminars conducted	NET/SET Preparation workshops organized, Short term courses Launched, National Conference Organised
Administration	The Trust has taken up the periodical (once in three months) monitoring of extent of compliance of Strategic plan in all aspects including financial management.

7.3 Give two Best Practices of the institution

- | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> i. Implementation of Outcome Based Education for International recognition of students and job opportunities ii. Counseling of faculty based on student's feedback. iii. Conducting value add programmes |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Details enclosed in **Annexure - III**

7.4 Contribution to environmental awareness / protection

- i. Institution has Pollution free Campus
- ii. Made green campus by planting more than 20 saplings every year
- iii. A committee has been constituted to monitor the effective utilization of water in the campus
- iv. Periodic energy auditing has been carried out by energy monitoring committee for energy saving
- v. A Bio-Gas plant (using human waste) was established to produce Cooking Gas.

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Strength

- i. Attractive number of research projects
- ii. Qualified, committed and experienced faculty
- iii. Nearly 40% of faculties having more than 15 years experience
- iv. Provision of Good Placement services
- v. Word of mouth publicity through successful Alumni
- vi. Enhanced reputation among academicians with regular Faculty enrichment
- vii. programmes through seminars/conferences/workshops / refresher
- viii. courses/orientations
- ix. Innovative ICT – backed teaching- learning methodology
- x. Regularly conducting student centric activities through various academic clubs and cultural fests
- xi. Established various fields for sports and games
- xii. The institution has a good reputation in the community

Weakness

- i. The Institution is located in rural area
- ii. Funds constraints being a Self financed institution
- iii. Limited Consultancy
- iv. Limited International linkages and student/staff exchange programmes

8. Plans of institution for next year

- Achieve high standards in Research and Development.
- Continue the process of strengthening the campus facility.
- Improve college result.
- Conduct more Campus recruitment program.
- Improve Faculty development.
- Apply Research funded projects.

Name Mr.Pon.ARIVANANTHAM

Associate Professor, CSE department



Signature of the Coordinator, IQAC

Name Dr. K.SENTHIL KUMAR

PRINCIPAL



Signature of the Chairperson, IQAC

Annexure I

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission
