Annual Quality Assurance Report (AQAR)

(2017-18)

Submitted to

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL BANGALORE, INDIA

JERUSALEM COLLEGE OF ENGINEERING

(APPROVED BY AICTE - NEW DELHI, AFFILIATED TO ANNA UNIVERSITY, CHENNAI)

PALLIKARANAI, CHENNAI – 600 100

TAMILNADU

Part – A

I. Details of the Institution

1.1 Name of the Institution

> JERUSALEM COLLEGE OF ENGINEERING

1.2 Address Line 1

> Velachery Main Road,

Address Line 2

> Narayanapuram, Pallikkaranai

City/Town

> Chennai

State

> Tamil Nadu

Pin Code

> 600 100

Institution e-mail address

> jerusalemengineeringcollege@gmail.com

Contact Nos.

> 044 – 22461404/22460131

Name of the Head of the Institution:

> Dr.M.Ramalingam

Tel. No. with STD Code:

> 044 - 22461404

Mobile:

> 09444021656

Name of the IQAC Co-ordinator:

> Dr. D.Parameswari

Mobile:

> 7299677284

IQAC e-mail address:

> param.d2011@gmail.com

1.3 **NAAC Track ID** (For ex. MHCOGN 18879)   **TNCOGN12494**

(OR)

NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

EC(SC)/10/A&A/79.2 dated 16-11-2015

1.4 Website address: www. jerusalem.ac.in

Web-link of the AQAR: http://www.jerusalemengg.ac.in/ext/AQAR2017-18.pdf

1.5 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B^{++}	81.15	2005	Upto 2009
2	2nd Cycle	'A'	3.14	2015	Upto 2020
3	3rd Cycle				
4	4th Cycle				

1.6 Date of Establishment of IQAC :   DD/MM/YYYY | 23/09/2005 |

1.7 AQAR for the year *(for example 2010-11)* | 2017-2018 |

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)*

  i.   AQAR   11.06.2015 (2014-2015) (DD/MM/YYYY)
  ii. AQAR   10.08.2016 (2015-2016) (DD/MM/YYYY)
  iii. AQAR   12.09.2017 (2016-2017) (DD/MM/YYYY)
  iv. AQAR   27.09.2018 (2017-2018) (DD/MM/YYYY)

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 [√]   Men ☐   Women ☐

                       Urban [√]   Rural ☐ Tribal ☐

Financial Status   Grant-in-aid ☐   UGC 2(f) ☐   UGC 12B ☐

                    Grant-in-aid + Self Financing ☐   Totally Self - financing [√]

1.10 Type of Faculty/Programme

Arts ☐   Science ☐   Commerce ☐   Law ☐   PEI (Phys Edu) ☐

TEI (Edu) ☐   Engineering [√]   Health Science ☐   Management [√]

Others   (Specify) | MCA |

1.11 Name of the Affiliating University *(for the Colleges)* | Anna University |

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

Autonomy by State/Central Govt. / University	☐	UGC-CPE	☐
University with Potential for Excellence	☐	UGC-CE	☐
DST Star Scheme	☐	DST-FIST	√
UGC-Special Assistance Programme	☐	Any other *(Specify)*	☐
UGC-Innovative PG programmes	☐		
UGC-COP Programmes	☐		

2. IQAC Composition and Activities

2.1 No. of Teachers — 3

2.2 No. of Administrative/Technical staff — 13

2.3 No. of students — 2

2.4 No. of Management representatives — 1

2.5 No. of Alumni — 1

2. 6 No. of any other stakeholder and

   community representatives — 3

2.7 No. of Employers/ Industrialists — 1

2.8 No. of other External Experts — 1

2.9 Total No. of members — 25

2.10 No. of IQAC meetings held — 5

2.11 No. of meetings with various stakeholders: No. 4   Faculty 3

   Non-Teaching Staff Students 1   Alumni 1   Others 3

2.12 Has IQAC received any funding from UGC during the year?   Yes ☐   No √

   If yes, mention the amount — NIL

2.13 Seminars and Conferences (only quality related)

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

   Total Nos. 7   International ☐   National ☐   State 1   Institution Level 6

   (ii) Themes | Emerging Trends in Science, Engineering and Technology

2.14 Significant Activities and contributions made by IQAC

1. Through periodic feedbacks obtained from students, alumni, parents and other stake holders on quality related areas, the learning process is assessed and improvement measures are suggested to ensure quality enhancement and excellence.
2. IQAC reviewed the academic performance of all departments and suggested steps to improve overall teaching learning to the management
3. Encouraging Students for Industrial Visits to understand and to gain the knowledge of new concepts.
4. Strengthening the campus placements process to provide job opportunities for the students.
5. Value Added Programmes / career oriented technical training programmes for students to improve their technical acquaintance.
6. Orientation programmes are conducted for Teaching and Non-Teaching Staff Members.
7. To enhance students amenities and facilities and to encourage students to involve in NSS and other social activities.

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality

enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
Proposal and plan to conduct National and International Level seminars, conferences, workshops, symposiums, FDP etc.,	International Conference,National Level Workshops, Seminars, Symposiums, FDP were conducted across the departments.
Research Activities	Faculty Members were encouraged to apply for research projects to various funding agencies and also they have monitored for the same.

    * Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body   Yes √   No ☐

    Management ☐   Syndicate ☐   Any other body √

    Provide the details of the action taken

> AQAR was discussed in IQAC meeting with all the staff members.
> They also suggested strengthening the placement, industry
> institution interaction, and research & consultancy activities. The
> follow-ups were done periodically through the HODs meeting and
> other department level meetings.

Criterion – I
1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	4	-	4	-
PG	7	-	7	-
UG	7	-	7	-
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
Total	18	-	18	-

Interdisciplinary				
Innovative				

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

Pattern	Number of programmes
Semester	√
Trimester	
Annual	

1.3 Feedback from stakeholders*   Alumni [√]   Parents [√]   Employers [√]   Students [√]
    (On all aspects)

          Mode of feedback   :   Online [√] Manual [√] Co-operating schools (for PEI) [ ]

*Please provide an analysis of the feedback in the Annexure

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

> Yes, The revision/updation in order to meet the current technology.

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

> NIL

Criterion – II
2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others (Lecturer)
230	174	20	26	10

2.2 No. of permanent faculty with Ph.D. | 27 |

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
5	-	1	1	3	-	-	-	9	1

2.4 No. of Guest and Visiting faculty and Temporary faculty - | 15 | | 2 | | 2 |

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	27	117	31
Presented papers	27	118	31
Resource Persons	0	29	8

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Innovative practices in pedagogy are added to assure and enhance our academic quality. Courses use the following teaching aids in addition to the lecture method:
- E-learning - resources from National Programme on Technology Enhanced Learning (NPTEL), Working models, open resources from national institution of excellence like IIT, IIM, NIT and International Universities, demos are used by our faculty members who help them for effective teaching.
- Audio-visual aids to supplement lectures in classroom. Computer Aided Learning like Power Point Presentations is provided.
- Documentaries based on the syllabus prescribed and related to the syllabi are shown.
- Access to multi-media learning material
- Students are encouraged to apply their innovative projects to get funding from various Granting Agencies.
- Students participation in symposium/seminar.
- Industrial visits and trainings are arranged for the students to adopt the industrial environment

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)

Open Book Examination

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

5	5	5

2.10 Average percentage of attendance of students

85%

2.11 Course/Programme wise distribution of pass percentage :

S. No	Title of the Programme	Total no. of students appeared	Division				
			Distinction %	I %	II %	III %	Pass %
1	B.E. Biomedical Engineering	50	7	31	7		92
2	B.E. Civil Engineering	180	3	69	66		76
3	B.E. Computer Science and Engineering	99	1	58	29		88
4	B.E. Electrical Electronics Engineering	101	80	64	10		81.18
5	B.E. Electronics and Instrumentation Engineering	39	NIL	28	13		89.7
6	B.E. Electronics and Communication Engineering	109	1	68	37		78.89
7	B.Tech Information Technology	99	NIL	58	25		85.6
8	Master of Business Administration	64	NIL	45	18		98.4
9	Master of Computer Application	18	3	15	NIL		100
10	M.E. (Applied Electronics)	3	NIL	3	NIL		100
11	M.E. (Computer Science and Engineering)	8	NIL	8	NIL		100
12	M.E. (Power Electronics and Drives)	1	NIL	1	NIL		100
13	M.E. (Construction Engineering and Management)	17	6	11	NIL		100
14	M.E. (Software Engineering)	1	NIL	1	NIL		100

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

- IQAC has been closely monitor all the academic activities such as syllabus completion, content beyond the syllabus and value added courses.

- IQAC monitors the internal assessment test evaluation and suggests for enrichment.

- The IQAC encourages departments to organize invited lectures by experts on various topics. Departmental seminars are also held regularly.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	1
UGC – Faculty Improvement Programme	10
HRD programmes	0
Orientation programmes	12
Faculty exchange programme	0
Staff training conducted by the university	12
Staff training conducted by other institutions	48
Summer / Winter schools, Workshops, etc.	71
Others	70

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	109	Nil	18	Nil
Technical Staff	45	Nil	8	Nil

*Outsourced Administrative and Technical staff

Criterion – III

3. Research, Consultancy and Extension

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

- The college has a centre for research and consultancy, where committee members meet periodically and discuss on the course of action to be taken to develop research and consultancy.

- Encourages Paper Presentation, Paper Publication in refereed journals, SCI journals and journals with high impact factor.

- Motivates the Faculty to apply for Major and Minor Research Projects from various National and International funding agencies

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	3	1	2
Outlay in Rs. Lakhs	27,28,550	9,84,449	-	50,00,000

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3	5	2	3
Outlay in Rs. Lakhs	50,000	40,000	50,000	302000

3.4   Details on research publications

	International	National	Others
Peer Review Journals	53	5	0
Non-Peer Review Journals	28	22	0
e-Journals	8	12	0
Conference proceedings	19	132	0

3.5 Details on Impact factor of publications:

Range 2.7   Average 3   h-index 6   Nos. in SCOPUS 7.7

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	2	DST	22,00,000	17,00,000
Minor Projects	6 Months	Institution of Engineers	50,000	50,000
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College	1	E-Yantra/IIT Bombay	1,00,000	1,00,000
Students research projects *(other than compulsory by the University)*	6 Months	TNSCST	10,000	10,000
Any other(Specify)	1	Computer Engineer Division-IEI	10,000	10,000
TOTAL			23,70,000	18,70,000

42,40,000

3.7 No. of books published   i) With ISBN No.   6   Chapters in Edited Books   5

ii) Without ISBN No.   NIL

3.8 No. of University Departments receiving funds from

UGC-SAP [ ]   CAS [ ]   DST-FIST [√]

DPE [ ]   DBT Scheme/funds [√]

3.9 For colleges   Autonomy [ ]   CPE [ ]   DBT Star Scheme [√]

INSPIRE [√]   CE [ ]   Any Other (specify) [ ]

3.10 Revenue generated through consultancy   100000

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	1	7	-		3
Sponsoring agencies	2	-	3	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons   18

3.13 No. of collaborations   International [ ]   National   12   Any other [ ]

3.14 No. of linkages created during this year   21

3.15 Total budget for research for current year in lakhs :

From Funding agency   22.83   From Management of University/College   1

Total   23.83

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	10
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

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
23	-	2		1	-	20

3.18 No. of faculty from the Institution who are Ph. D. Guides and students registered under them   27

3.19 No. of Ph.D. awarded by faculty from the Institution   4

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF   -   SRF   -   Project Fellows   1   Any other   -

3.21 No. of students Participated in NSS events:

University level 50   State level 20

National level 2   International level -

3.22 No. of students participated in NCC events:

University level -   State level -

National level -   International level -

3.23 No. of Awards won in NSS:

University level 3   State level -

National level 1   International level -

3.24 No. of Awards won in NCC:

University level -   State level -

National level -   International level -

3.25 No. of Extension activities organized

University forum [ ]   College forum 19

NCC [ ]   NSS √   Any other √

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

S.NO	DATE	EVENTS	Venue
1	15-08-2017	Independence Day Celebrations	College Premises
2	05-09-2017	Teachers Day Celebration	College Premises
3	02-09-2017	Swacht Bharath Abiyan	Lakshmi Nagar, Mudichur Village
4	10-10-2017	Agriculture Camp Field Visit	Simmavishnu Sadhurvedi Mangalam
5	09-10-2017	Old Traditional Architecture Construction Visit	Simmavishnu Sadhurvedi Mangalam
6	14-10-2017	Agriculture Machines Hands On Training	Simmavishnu Sadhurvedi Mangalam

7	11-10-2017	Mat Preparation Craft Industry Visit	Vandhavasi
8	12-10-2017	Cropping Of Paddy Training For Students	Vandhavasi
9	26-01-2018	Republic Day Celebration	College Premises
10	26-03-2018	Cleaning Program	Mudichur Area
11	27-03-2018	Park Cleaning	Lakshmi Nagar
12	28-03-2018	Dengue Awareness	Lakshmi Nagar
13	29-03-2018	Save Earth Drawing Competition For School Childrens	Lakshmi Nagar
14	30-03-2018	To Encourage Athletics In Schools Athletics Games Were Conducted At School	Lakshmi Nagar
15	31-03-2018	Rangoli Competition For Village People	Lakshmi Nagar
16	2-04-2018	Blood Donation Camp	College premises
17	04-04-2018	Self Help Ladies Group Craft Training Program	Lakshmi nagar
18	07-04-2018	Recycling Hands In Hand Yard Visit	Vandalur
19	10-04-2018	Personality Development Program For Volunteers	College premises

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	24.48(acres)	-	-	-
Class rooms	61	-	-	-
Laboratories	70	-	-	-
Seminar Halls	8	-	-	-
No. of important equipments purchased ($\geq$ 1-0 lakh) during the current year.	90	20	Fee collection	25
Value of the equipment purchased during the year (Rs. in Lakhs)	90	20	Fee collection	25
Others	-	-	-	-

4.2 Computerization of administration and library

Computerization of library.

- Bar coding system followed.

- Internet services provides with 40 Mbps line Connectivity.

- DELNET & IEEE E-learning materials are available.

- NPTEL, MIT materials, Anna University CD & Online programme of various IITs.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	37028	13068945.00	786	275100.00	37814	13344045.00
Reference Books	7130	3248570.00	30	13500.00	7160	3262070.00
e-Books	Nil	Nil	Nil	Nil	Nil	Nil
Journals	97	249106.00	Nil	Renewed	97	249106.00
e-Journals	203	823230.00	Nil	Renewed	203	823230.00
Digital Database	1	70800.00	Nil	Renewed	1	70800.00
CD & Video	79	15595.00	Nil	Nil	79	15595.00
Others (specify)	Nil	Nil	Nil	Nil	Nil	Nil

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	955	800	40	10	50	10	10	35
Added	142	142	10	2	5	2	3	13
Total	1097	942	50	12	55	12	13	48

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

- The faculty visited various reputed companies for industrial training and knowledge building.
- Teachers were sent for faculty development programs organized by reputed institutions, industries.
- Teachers are sponsored to attend national and international conferences and seminars.
- The students are provided project training by sponsoring them to attend various industrial trainings.

4.6 Amount spent on maintenance in lakhs :

i) ICT

5.2

ii) Campus Infrastructure and facilities

100.18

iii) Equipments

50.0

iv) Others

28.32

Total:

183.7

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

IQAC contributes in enhancing awareness about students support system in the following activities

1. Internet facility with Wi-Fi connectivity is made available throughout the campus to support the students in enhancing their knowledge with easy digital access.

2. Subject wise special coaching classes for slow learners are conducted during the evening hours.

3. Industry Institute Interaction cell builds a good relationship between the Industry and Institute for the welfare of the students by organizing regularly guest lectures, seminars, workshops, conferences, industry visits, in-plant training, internships and campus connect programmes.

4. Students to participate in various competitions/National and International/ Organizing coaching classes for competitive exams:

5. The college organizes health check-up camps where local doctors, dentists, eye surgeons and skin specialists visit and keep a strict watch on the health of the stakeholders, the students and the staff. Proper arrangement of drinking water is present on the college campus at five different locations (R.O. purified drinking water).

6. National Service Scheme [NSS] and YRC encourage the students to take part in community development activities.

5.2 Efforts made by the institution for tracking the progression

1. Periodic Parent - Teachers meeting to convey the progress of wards and to elicit their views on various issues.

2. Department meetings are to monitor the progress of the action plan.

3. Academic audit is being conducted every semester to evaluate the progress.

4. Internal Quality Audits are being conducted every year to review the attainment of the quality objectives.

5.3 (a) Total Number of students

	UG	PG	Ph. D.	Others
	421	71	-	-

(b) No. of students outside the state

3

(c) No. of international students

-

Men

	No	%
UG	250	59.3
PG	29	40.8

Women

	No	%
UG	171	40.7
PG	42	59.2

2016-2017						2017-2018					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
37	68	-	375	-	480	36	82	-	303	-	421

Demand ratio Nil   Dropout 0.5 %

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

- Student Development cell is organizing the classes for the students to face competitive examinations like GATE, GRE, CAT, etc.
- The department specially conducts special coaching to the students for competitive examinations.
- The library has sufficient no. of magazines and books related to competitive exams, the placement cell provides special encouragement counselling to participate in these exams.
- Various workshops are also conducted to motivate and create awareness on taking up these examinations. The Cell has a MOU with "Times" and "Aspiring Minds" for conducting placement training and competitive examinations.

No. of students beneficiaries | 200 |

5.5 No. of students qualified in these examinations

NET [ ]   SET/SLET [ ]   GATE [13]   CAT [ ]

IAS/IPS etc [ ]   State PSC [ ]   UPSC [ ]   Others [10]

5.6. Details of student counselling and career guidance

Student Counselling:

- Counselling is provided to the students as a psychological support.
- Weekly a period is allocated in the time table for student counselling, students are encouraged to convey their grievances and needs more freely to the mentors.

Career Guidance:

- The Placement Cell of the College provides placement training for the students on communication skills, aptitude skills, interview skills, overall personality development skills, etc.
- To organize programmes to create awareness on the importance of higher studies in India and abroad.

No. of students benefitted [200]

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
55	422	320	85

5.8 Details of gender sensitization programmes

- Women Development Cell organizes several programmes to enhance the confidence level of girl students for their empowerment in the society.
- Women's Day was celebrated which is an opportunity to appreciate the remarkable contribution of women to our society.
- Personal and academic related problems of women are counselled and solved.

5.9 Students Activities

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

    State/ University level [11]   National level [3]   International level [   ]

    No. of students participated in cultural events

    State/ University level [12]   National level [10]   International level [0]

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

Sports: State/ University level [1]   National level [2]   International level [2]

Cultural: State/ University level [4]   National level [1]   International level [0]

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	558	67,87,000
Financial support from government	1027	135,75,000
Financial support from other sources	Nil	Nil
Number of students who received International/ National recognitions	Nil	Nil

5.11 Student organised / initiatives

Fairs   : State/ University level [2]   National level [-]   International level [-]

Exhibition: State/ University level [5]   National level [-]   International level [-]

5.12 No. of social initiatives undertaken by the students [25]

5.13 Major grievances of students (if any) redressed:
_____Nil_____

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION

Jerusalem College of Engineering is committed in emerging as an international institution of excellence in imparting the finest quality engineering, technology and management education rooted in ethical and societal values through various academic programmes, multi-disciplinary research, consultancy and entrepreneurship activities, and hence in contributing towards social transformation and nation building.

MISSION

➢ Generating abundant resources and making conducive policies, the management led by the Chief Executive Officer strives towards promoting globally competitive academic programmes augmented with value added courses, in-plant training, co-curricular activities and ambience that support intellectual growth and skill acquisition

➢ Promoting collaborative trans-border research programmes, continuing education in synergy with academia, industries and research organisations leading to real time solutions and lifelong learning

➢ Transforming young men and women into competent professionals and entrepreneurs motivated by a passion for professional excellence, driven by human values and proactively engaging in the betterment of the society through innovative practices and academic excellence

➢ Facilitating effective interaction among faculty and students, and fostering network of alumni, industries, institutions and other stakeholders for successful career gain and placement.

6.2 Does the Institution has a management Information System

Yes, the Institution has a management Information System

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

6.3.1 Curriculum Development

As an affiliated College, the Institution follows Anna University curriculum. The feedback collected from the alumni, stakeholders and parents are consolidated and discussed in the curriculum development committee meeting. Based on the recommendation of curriculum development committee, suggestions are submitted to affiliating university for considerations while revising the curriculum.

6.3.2 Teaching and Learning

- Creation of learning environment in classes which includes critical thinking, case analysis and creativity.
- For all programmes practical orientation is insisted in the form of projects, Mini projects, industrial visit, guest lectures, workshops, seminars.
- Faculty development programmes and in-service training are conducted once in a year to enrich their teaching-learning methods.
- Faculty members are motivated to design contemporary, skill based and value-added courses.

6.3.3 Examination and Evaluation

- Question banks, Lecture Notes and Lab Manuals are prepared by the Staff members and verified by Dean Academics and Academic Coordinator of each department and are provided to the students.
- Three tests per semester: Assessment Test 1, Assessment Test 2 and model exam are conducted and are being evaluated within 2 days after completion the exams.
- Internal marks are allotted based on the assessment test marks and the student's attendance Percentage. Theory and practical examinations consists of two components Namely, External evaluation for 80% marks and internal evaluation for 20% marks.
- Weekly test or slip test are conducted for tough subjects.
- The attendance as well as the assessment marks are communicated to the parents through mobile alert and parent teachers meeting conducted every month to review the performance of the students.

6.3.4 Research and Development

- The Research and Development Cell encourages the faculty members and students for sending research proposals and receiving funds from various research bodies.
- Encouraging faculty to organize, attend and present papers at state/national/international conferences and seminars.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Library: Networking has been installed in the library which facilitates access of information on various types such as online databases, e-journals, e- books, digitally through networked systems. Access may be allowed online remotely through internet or intranets.

ICT: The institution adopts policies and strategies for adequate technology deployment and maintenance. The ICT facilities and other learning resources are adequately available in the institution for academic and administrative purposes. The staff and students have access to technology and information retrieval on current and relevant issues. The institution deploys and employs ICTs for a range of activities. In keeping with rapid advancements in technology, and for students to benefit from state-of-the-art equipment physical infrastructure/ instrumentation seminar halls, conference rooms, WI-FI connection, a bank with ATM facility, canteen, A new building for the support staff has been constructed on campus. All the large halls have LCD and screen facilities. Digital notice boards with LCD screens have been installed in strategic locations in order to disseminate information relating to events, news, and other important information that every student needs to know. In order to ensure safety and security of the campus community

6.3.6 Human Resource Management

At the end of each academic year the Management Committee reviews the existing positions and identifies personnel for various teaching and non-teaching positions. The management makes appointments through prescribed procedures. Orientation and training programmes are periodically organized for new recruits. In order to enhance capacities of staff need-based training/workshops are organized for faculty, administrative, and supportive staff. Recreation programmes are also organized for teaching, non-teaching and supportive staff.

6.3.7 Faculty and Staff recruitment

Advertisements inviting applications from qualified candidates are published in leading newspapers.. The selection panel consists of the Principal, members of the Management, Head of the concerned department, a senior member of the faculty and an external subject expert. Candidates deemed suitable to meet the institutions requirements are appointed on probation for one year. They are given a permanent position by the Management after assessment of their performance

6.3.8 Industry Interaction / Collaboration

The institution emphasizes upon career development of the students. This can be achieved by establishing MoUs with reputed core industries to enhance Industry-Institute Interaction activities like internships, industrial visits, in-plant trainings, value added courses, industrial projects, guest lectures etc., for the benefit of students.

The cell invites experienced academicians, leading professionals with extensive corporate experience and entrepreneurs to address the students and thereby facilitate practical learning.

6.3.9 Admission of Students

UG ADMISSION

Candidates should have passed HSC of State board or equivalent with Mathematics, Physics, and Chemistry and other language subjects.

Minimum marks 50 % of in Mathematics, Physics, and Chemistry and minimum pass for SC /ST candidates

65% of the students are admitted through Anna University single window counseling. 35% of the seats are filled up through consortium of self- financing colleges.
In this case the students need to have qualifying marks as prescribed by the Government of Tamil Nadu.

PG ADMISSION
Candidates should have passed B.E. / B.Tech / AMIE/ or equivalent examination for seeking admission into relevant PG courses and its specialization.

50% of the seats are filled through TANCET by Anna University and remaining 50% of seats are filled through qualifying marks obtained in CET conducted by consortium of Self- financing colleges.

6.4 Welfare schemes for

Teaching	√
Non teaching	√
Students	√

6.5 Total corpus fund generated

500 lakhs

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	Anna University	√	HODs
Administrative	Yes	Anna University		Statutory Auditors

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?

- Publication of Semester Examination results through online.

- Photocopies of Answer scripts are provided for students based on request.

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

Taking steps to grant autonomy to more colleges

6.11 Activities and support from the Alumni Association

Major contributions of the association are:
- Development for Activities and Contributions
- Participation in annual sports
- Active participation in large gathering cultural functions like fresher's welcome, inter-college functions
- Regular alumni talk to students.

Activities:
- Institute conducts alumni meet every year.
- Institute has alumni database and separate website. We invite them to regular functions.
- Institute invites alumni to give the guest lecturers & interact with students to enhance the knowledge & skills of the students.
- Regular Students as well as alumni get the account on Institute websites which helps them to interact with Institute.
- The alumnus helps in bringing industries and companies for campus placements and provides employment opportunities to the students.

6.12 Activities and support from the Parent – Teacher Association

Parent Teacher Association meeting is conducted periodically to know about the students'progress. The meeting is a platform to offer suggestions for further improvement and development of the students. The parents get an opportunity to interact with the faculty advisors and heads of the departments to know about their ward's performance and study.

6.13 Development programmes for support staff

- Skill development programme on "Trending Technology" for lab technician and system administrative
- Development programme on Hardware trouble shooting for lab assistant

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

1.Energy conservation
2.Use of renewable energy
3.E-waste management

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 . Innovations in Curricular Aspects
> 2. Projects/internships undertaken at the UG level.
> 3. Skill Development courses which enhance employability.
> 4. Training in Soft Skills increases self confidence, builds leadership qualities and skills for holistic development.

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

> 1. Increase in the number of certificate courses.
> 2. Enhanced research output.
> 3. Training programmes/capacity building sessions for faculty and non–teaching staff and students.

7.3 Give two Best Practices of the institution *(please see the format in the NAAC Self-study Manuals)*

> 1.   Academic Audit
> 2.   Slow learners coaching System & Continuing Education for best learners.

Provide the details in annexure (annexure need to be numbered as i, ii,iii)

7.4 Contribution to environmental awareness / protection

> 1.   Smoking is prohibited inside the campus.
> 2.   Students are advised not to use plastic bags in the campus.
> 3.   Students are well informed about the Bio degradable and non- Bio degradable materials so that a check on environmental pollution is monitored and many of the civic senses get spontaneously imbibed into the faculty and students of the college.
> 4.   Dustbins are provided at strategic points.
> 5.   Eco club has been formed to make the campus green.

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:

- Well qualified, dedicated and diversified faculty with specialization in different areas.
- Laboratories are well equipped, maintained and spacious.
- Well stacked library with good number of national and international journals.
- Functioning of collaborative research centers.
- Have increasing number in campus placements

Weakness:

- Being an Affiliated Institution we do not have the freedom to modify the Syllabus and curriculum on technological advances and the industry needs as the college is affiliated to university which has a rigid structure.

- Progression to higher education is low due to the self employment.

8. Plans of institution for next year

1. Strengthen the Industry-institute linkage.
2. To apply for more research funds from funding agencies like AICTE, UGC, DST, and CSIR ISRO etc...
3. To organize funded National seminar/workshop/FDP for faculty and students.
4. To increase the number of research publication.

Name   Dr.D. PARAMESWARI

Name   Dr.M.RAMALINGAM

_____
Signature of the Coordinator, IQAC

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Signature of the Chairperson, IQAC

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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

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