The Annual Quality Assurance Report (AQAR) of the IQAC

2016-17

Submitted to

National Assessment and Accreditation Council

Bangalore.

by

Kathir College of Engineering

(Approved by AICTE , New Delhi & Affiliated to Anna University, Chennai)
Accredited by NAAC
Neelambur, Coimbatore – 641062, Tamilnadu.
www.kathir.ac.in iqac@kathir.ac.in

PREFACE

Kathir College of Engineering (KCE) is an ISO 9001:2008 Certified institution, affiliated to Anna University, Chennai, recognized by UGC under 2(f) and approved by AICTE, New Delhi, was established in the academic year 2008- 2009, by the Lamika Educational and Charitable Trust, Coimbatore, Tamil Nadu.

KCE has been an important contributor to rejuvenate engineering education to the students also rural background, which constitutes the major part of its student population. KCE has emerged with the vision to accomplish and maintain international eminence for fostering Research and Development and in addition, it also encourages entrepreneurship for meeting national and global needs as well as demands.

The college started with 4 engineering disciplines has come a long way, and has progressed with 5 UG programmes and 4 PG programmes in Engineering and a PG course in Management studies. All the academic programmes offered by the college are in line with the institutional goals and objectives. The college also conducts additional courses beyond syllabus to improve the students' interpersonal and interpretive skills to meet its educational and career objectives.

Wi-Fi campus of KCE aids the students to avail the latest trends and advancement in the respective field, which is changing day by day. It helps the students to enhance their academic proficiency from various resources and develop an integrated method to facilitate advanced technology and empower the students to build a meaningful career. The second Annual Quality Assessment Report (AQAR) has been prepared with extreme care for the academic year 2016:17 and realistic perspective, following the guidelines given in the AQAR format. We take pleasure in submitting this AQAR to the NAAC's office for further processing.

Dr.P.Banumathi

PRINCIPAL

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. *(Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)*

Part – A

1. Details of the Institution

1.1 Name of the Institution

KATHIR COLLEGE OF ENGINEERING

1.2 Address Line 1

WISDOM TREE, AVINASHI ROAD

Address Line 2

NEELAMBUR

City/Town

COIMBATORE

State

TAMIL NADU

Pin Code

641062

Institution e-mail address

kathirce@gmail.com

Contact Nos.

0422-2203715

Name of the Head of the Institution:

Dr.P.BANUMATHI

Tel. No. with STD Code:

0422-2203773

Mobile:

9566533366

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Name of the IQAC Co-ordinator:

Dr.M.KANNAN

Mobile:

8870599199

IQAC e-mail address:

iqac@kathir.ac.in

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

TNCOGN 24510

1.4 **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)/15/A&A/45.1 DATED ON
25.5.2016

1.5 Website address:

www.kathir.ac.in

Web-link of the AQAR:

http://www.kathir.ac.in/wp-content/uploads/2016-2017/aqar.pdf

For ex. http://www.ladykeanecollege.edu.in/AQAR2012-13.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B	2.53	2016	5 YRS

1.7 Date of Establishment of IQAC :   DD/MM/YYYY   25/04/2016

1.8 AQAR for the year *(for example 2010-11)*   2016-2017

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

    i. AQAR   2015-2016 & 07/08/2016

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ii. 1.10 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 ☑

1.11 Type of Faculty/Programme

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

TEI (Edu) ☐   Engineering ☑   Health Science ☐   Management ☑

Others   (Specify) | . |

1.12 Name of the Affiliating University *(for the Colleges)* | ANNA UNIVERSITY, CHENNAI. |

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

Autonomy by State/Central Govt. / University | ANNA UNIVERSITY, CHENNAI |

University with Potential for Excellence   ☐   UGC-CPE   ☐

DST Star Scheme   ☐   UGC-CE   ☐

UGC-Special Assistance Programme [ ]   DST-FIST [ ]

UGC-Innovative PG programmes [ ]   Any other (*Specify*) [ ]

UGC-COP Programmes [ ]

2. IQAC Composition and Activities

2.1 No. of Teachers   5

2.2 No. of Administrative/Technical staff   1

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   2

2.7 No. of Employers/ Industrialists   1

2.8 No. of other External Experts   1

2.9 Total No. of members   14

2.10 No. of IQAC meetings held   2

2.11 No. of meetings with various stakeholders: No. 1   Faculty ✓

Non-Teaching Staff Students ✓   Alumni ✓   Others ✓

2.12 Has IQAC received any funding from UGC during the year?   Yes [ ]   No ✓

   If yes, mention the amount

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2.13 Seminars and Conferences (only quality related)

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

Total Nos. | 2 | International | | National | | State | | Institution Level | ✓

(ii) Themes | Awareness program on IQAC/ISO Quality Policy and procedures.

2.14 Significant Activities and contributions made by IQAC

> Examination reform
> Academic Audit of Faculty
> Feedback system
> Institutional workshops
> NIRF data Submission
> AICTE (Industry Academia Collaboration in Technical Institutes) data submission
> Orientation program for I year
> MoU's with several Industries
> ISO Annual Audit
> National Skill development Program initiative
> Induction of IAS Academy
> Products of Products through EDC & KCARDS
> Establishment of IEDP hub
> Conducted few social service programs through NSS
> Establishment of Hi-tech labs

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
1. Academic Audit of Faculty	Executed
2. MOU	Executed
3. International Conference	Executed
4. NIRF	Executed
5. AICTE (Industry Academia Collaboration in Technical Institutes)	Executed

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6. ISO Audit	Executed
7. Research Projects	Submitted

* Attach the Academic Calendar of the year as Annexure III.

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

Management ☐ ✓   Syndicate ☐   Any other body ☐

Provide the details of the action taken

NIL

Part – B
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				
PG	5	NIL	5	NIL
UG	5	NIL	5	6
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				15
Others				
Total	10	NIL	10	21

Interdisciplinary				
Innovative				

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

Pattern	Number of programmes
Semester	10
Trimester	NIL
Annual	NIL

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.

> NA, since affiliated to Anna University, Chennai and we are following their norms and regulations.

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

> Yes, the following centres are established.
>
> ➢ IEDP
> ➢ IAS Academy
> ➢ Cypress Semiconductor PSoC Lab

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
161	126	13	8	14

2.2 No. of permanent faculty with Ph.D.   7

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
17	NIL	0	NIL	1	NIL	11	NIL	29	NIL

2.4 No. of Guest and Visiting faculty and Temporary faculty   18   6   2

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	26	9	2
Presented papers	12	4	-
Resource Persons	10	2	-

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

> ➢ Webinars enable both student and faculty to interact with subject experts across continents.
> ➢ Students and faculty have access to e-journals on subjects of interest.
> ➢ Digital library, NPTEL, CDs' etc are available and they are used by the students and faculty members.
> ➢ Seminar halls and class rooms are also equipped to deliver the lectures through LCD projectors and OHP.
> ➢ Simulation software is being used by the faculty members to ensure quality learning and teaching.
> ➢ Faculty members are motivated to undergo programs under SWAYAM.
> ➢ Experimenting theoretical aspects.
> ➢ Faculty members are trained by experts from IIT Bombay through webinars and also certified.
> ➢ Students are trained by advanced technologies and motivated to do product developments.
> ➢ Special coaching for academic subjects for needy one.
> ➢ Periodic conduction of Technical club activities.
> ➢ Career Oriented training programs.

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

$$\boxed{146}$$

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

$$\boxed{\text{ANNA UNIVERSITY, CHENNAI}}$$

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

$$\boxed{1} \quad \boxed{8} \quad \boxed{1}$$

2.10 Average percentage of attendance of students

$$\boxed{78.2\%}$$

2.11 Course/Programme wise Distribution of pass percentage: 2016 BATCH

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
B.E(CIVIL)	60	0	70	0	0	70
B.E(MECH)	129	0	59	19	0	78
B.E(ECE)	104	1	78	17	0	95
B.E(EEE)	62	0	50	26	0	76
B.E(CSE)	54	0	44	28	0	72
MBA	28	0	54	29	0	83
M.E(AE)	3	0	100	0	0	100
M.E(CSE)	6	0	100	0	0	100
M.E(PED)	17	0	65	18	0	83
M.E(ME)	4	0	25	0	0	25

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

- Assignments to II , III year Students and projects to IV Year & PG students

- Students Assigned to do Mini Projects & Product Developments

- Redesigning the add on programs as per the requirement of the industry.

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- Faculty Development programmes.

- Organized Pedagogic programs.

- Planning and execution of coursework.

- Conducted bridge course for freshers.

- Promoting experimental learning.
- Industrial visits.
- Encouraging students to participate in national/international events to improve their technical competency.
- Periodic conduction of technical club activities by students.
- Conducting academic audit and suggestions for improvements.

- Class committee meeting before every CIA's.

- Preparing and following academic calendar.

- Student assessments though class test/Continuous Internal assessments/Assignments.
- Receiving feedback from Students/Parents periodically.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	NIL
UGC – Faculty Improvement Programme	NIL
HRD programmes	11
Orientation programmes	61
Faculty exchange programme	NIL
Staff training conducted by the university	NIL
Staff training conducted by other institutions	42
Summer / Winter schools, Workshops, etc.	37
Others	10

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	5	NIL	3	NIL
Technical Staff	10	1	4	NIL

Criterion – III

3. Research, Consultancy and Extension

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

> ➢ Promoting research Mini & Major Projects
> ➢ Initiating Funded Proposals to conduct Seminar, Workshops, Conference, etc.,
> ➢ High tech labs in association with leading Industries

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	2	9
Outlay in Rs. Lakhs			7	147

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	3
Outlay in Rs. Lakhs	-	-	-	1.8

3.4   Details on research publications

	International	National	Others
Peer Review Journals	9	-	-
Non-Peer Review Journals	-	-	-
e-Journals	50	-	-
Conference proceedings	4	-	-

3.5 Details on Impact factor of publications:

Range ☐   Average ☐   h-index ☐ 17   Nos. in SCOPUS ☐ 1

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 (Rs.)
Major projects	0.3	TNSDC	7L	-
Minor Projects				
Interdisciplinary Projects				

				300000
Industry sponsored	1	AVATHAR Cypress Semiconductor NxP Semiconductor		81000 126000
Projects sponsored by the University/ College				
Students research projects *(other than compulsory by the University)*	0.4	Management Contribution		40000
Any other(Specify)				
Total	1.7			**547000**

3.7 No. of books published   i) With ISBN No. | 3 | Chapters in Edited Books | |

ii) Without ISBN No. | 14 |

3.8 No. of University Departments receiving funds from : NA

UGC-SAP | | CAS | | DST-FIST | |

DPE | | DBT Scheme/funds | |

3.9 For colleges   Autonomy | | CPE | | DBT Star Scheme | |

INSPIRE | | CE | | Any Other (specify) | 1 |

3.10 Revenue generated through consultancy | 1,10,000 |

3.11 No. of conferences   organized by the Institution

Level	International	National	State	University	College
Number		2			
Sponsoring agencies		College			

3.12 No. of faculty served as experts, chairpersons or resource persons | 11 |

3.13 No. of collaborations   International | 3 | National | 7 | Any other | 1 |

3.14 No. of linkages created during this year: | 4 |

3.15 Total budget for research for current year in lakhs:

From funding agency | 1,00,000 | From Management of University/College | 0.4

Total | 1,00,000

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	NIL
	Granted	NIL
International	Applied	NIL
	Granted	NIL
Commercialised	Applied	NIL
	Granted	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
20	14	4	2			

3.18 No. of faculty from the Institution who are Ph. D. Guides and students
registered under them   `2`   `7`

3.19 No. of Ph.D. awarded by faculty from the Institution   `2`

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 | 10

National level | | International level |

3.22 No. of students participated in NCC events:

University level | | State level | 2

National level | | International level |

3.23 No. of Awards won in NSS: Nil

University level [　] State level [　]

National level [　] International level [　]

3.24 No. of Awards won in NCC: Nil

University level [　] State level [　]

National level [　] International level [　]

3.25 No. of Extension activities organized

University forum [1] College forum [1]

NCC [　] NSS [　] Any other [3]

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

> ➢ Mega job mela is organized in association with Regional Employment and training Institute.
> ➢ Gramia Manam Season 2 event is hosted to explore traditional cultural events with public participations.

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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	Campus area in sq.mts. 51030.85	Built up area in sq.mts. 28084.99	NIL	Management	NIL
Class rooms	39		NIL	Management	NIL
Laboratories	29		NIL	Management	NIL
Seminar Halls	6		NIL	Management	NIL
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	NIL		NIL	Management	NIL
Value of the equipment purchased during the year (Rs. in Lakhs)	NIL		1	Management	NIL
Others	NIL		NIL	Management	NIL

4.2 Computerization of administration and library

> ➢ Fully Computerized Library administration using Barcode Technologies
> ➢ Rever Innovation software for students academic management
> ➢ Electronic Entry and Exit
> ➢ Circulation of books and non-book materials (Issues & Returns)
> ➢ OPAC, Web OPAC (Books, CDs and Questions)
> ➢ Using E-Resources (online Journals e-books)
> ➢ NPTEL Resources

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	19001	69,04,076			19001	6904076
Reference Books	9885	3598140	104	37112	9989	3635252
e-Books			DELNET			
Journals	209	6,67,213			209	6,67,213
e-Journals	DELNET					11,500
Digital Database						

CD & Video	1410					
Others (specify)		NPTEL facilities				

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart ments	Others
Existing	652	450	20mbps	150	---	22	30	
Added								
Total	652	450	20mbps	150	---	22	30	

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

➢ Students make use of the internet, lab facilities to prepare for seminars /Conferences / paper presentations etc.

➢ Students benefitted from Online Public Access Catalogue for online access of E-Journals and NPTEL.

4.6 Amount spent on maintenance in lakhs :
   i)   ICT

   70000

   ii) Campus Infrastructure and facilities

   7, 66, 139

   iii) Equipments

   50,000

   iv) Others

   -

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

> ➢ Conducted Orientation Program for first semester Students
>
> ➢ Parent teacher meeting
>
> ➢ Alumni meeting
>
> ➢ Institutional workshop/seminars/conferences
>
> ➢ Skill development programmes
>
> ➢ Add on courses for placement/training
>
> ➢ Induction of IAS Academy
>
> ➢ Establishment of Technological labs
>
> ➢ Conducted few social service programs
>
> ➢ Experimenting theoretical aspects
>
> ➢ Placement support through on/off campus Interviews
>
> ➢ Internship and Industrial visit

5.2 Efforts made by the institution for tracking the progression

> ➢ Feedback form
> ➢ Self appraisal
> ➢ Student and staff counselling
> ➢ Suggestion box

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1363	129	-	-

(b) No. of students outside the state

39

(c) No. of international students

NA

	No	%
Men	1195	80

	No	%
Women	297	20

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
0	233	1	1258	-	1492	0	204	1	798	-	1003

Demand ratio   : -   Dropout %:0.02%

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

> ➤ The Training and Placement Cell notifies students and provides information about competitive examinations.
>
> ➤ Aptitude tests are conducted in-house by the departments and also by external agencies.
>
> ➤ IAS Academy
>
> ➤ Our Central library is flooded with books for competitive exams

No. of students beneficiaries

300

5.5 No. of students qualified in these examinations: NIL

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

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

5.6 Details of student counselling and career guidance

> The college has a career counseling and guidance cell.
> ➤ Academic and Career Counseling
>
> ➤ Personal and Psycho-Social Counseling
>
> ➤ Alumni meeting for Industrial connect
>
> ➤ Career oriented technical programs
>
> ➤ Aptitude training through soft skill department

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
44	331	281	-

5.8 Details of gender sensitization programmes

> The Institution has Anti ragging, Grievance and Redressal committee.
> Grievances are represented in student forums like class committee meetings, Hostel committee meetings etc.
> Complaints from parents are obtained in parent teacher meeting.
> Grievances and complaints are taken utmost care, analyzed and rectified at the earliest.

5.9 Students Activities

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

State/ University level 18   National level 104   International level 5

No. of students participated in cultural events

State/ University level 1   National level ⬜   International level ⬜

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

Sports : State/ University level 6   National level 1   International level ⬜

Cultural : State/ University level ⬜   National level ⬜   International level ⬜

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	21	6,30,000
Financial support from government	778	41,53,035
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 [   ]   National level [   ]   International level [   ]

Exhibition: State/ University level [1]   National level [2]   International level [-]

5.12   No. of social initiatives undertaken by the students

[3]

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

➢   To accomplish and maintain international eminence for fostering research and development.

➢   To be an Institution for higher learning.

➢ To encourage entrepreneurship for meeting the global demands.

Mission

➢   To attain leadership in planning and resource management.

➢   To inspire creativity and motivate innovating skills.

➢   To organize a pluralistic and professional environment that will stimulate scholars of the highest caliber and contribute immensely to nation building.

6.2 Does the Institution has a management Information System

➢   Kathir Computing facility department will provide support service for the complete information management system through software for all the departments

➢   Fully Computerized Library administration using Barcode Technologies

➢   Rever Innovation software for students academic management

➢   Electronic Entry and Exit

➢   Circulation of books and non-book materials (Issues & Returns)

➢   OPAC, Web OPAC (Books, CDs and Questions)

➢   Using E-Resources (online Journals e-books)

➢   NPTEL Resources

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

6.3.1   Curriculum Development

➢   Curriculum, syllabi and regulation are framed by the Anna University on academic delivery and evaluation of the courses.

➢   The course content of add-on programs are framed by respective faculty experts.

6.3.2 Teaching and Learning

> - The syllabi, curriculum, reference books are informed to the students at the beginning of every semester.
> - Conducting internal test periodically to monitor the progress of the students
> - Extra coaching classes are being conducted for the slow learners for improving their performance.
> - Faculty members continuously update their knowledge by attending seminars, workshops, conferences etc.,
> - Effective feedback system is followed to monitor the performance of the faculty.

6.3.3 Examination and Evaluation

> - Continuation Internal assessments.
> - Periodic class test.
> - Assignments and projects.
> - Internal evolution process reset.
> - Quiz programs through respective technical clubs.

6.3.4 Research and Development

> - Faculty members are permitted to register/pursue MPhil/PhD programs with leave facility.
> - Encouraging academic departments for Industrial collaborations and technological lab setup.
> - Encouraging faculty members for consultancy work.
> - Deputing faculty members for Industrial training.
> - Incentives for Paper Publications in peer reviewed impact factor journals.

6.3.5 Library, ICT and physical infrastructure / instrumentation

> - Students and faculty have access to e-journals on subjects of interest.
> - Digital library, NPTEL, CDs' etc are available and they are used by the students and faculty members.
> - Local Chapter for NPTEL
> - OPAC software for book search and library management.
> - IIT Bombay Seminar hall for conduction workshops by IIT.
> - Sufficient Text and Reference books for all disciplines.
> - All the departments are having separate library.
> - Member of ICT Academy

6.3.6 Human Resource Management

- ➢ Faculty recruitment strictly following the norms laid by AICTE.

- ➢ Expert selection committee will scrutinize profiles and select the employee as per the norms.

- ➢ Self appraisal reports to monitor the academic performance status of faculty members and will be reviewed by HOD's, Principal and Management.

- ➢ Periodic conduction of FDP's for faculty quality improvements.

- ➢ Encouraging the faculty members to update their knowledge/skill set through Industrial training programs.

- ➢ Tutor recored will be maintained for every batch of students and appropriate counseling will be given on requirement.

- ➢ Suggestion box will be used by student's community and it will be reviewed by higher authority.

6.3.7 Faculty and Staff recruitment

- ➢ Faculty recruitment strictly following the norms laid by AICTE.

6.3.8 Industry Interaction / Collaboration

- ➢ MoU's with many companies by every department.

- ➢ Faculty members/Students are permitted to undergo Industrial training.

- ➢ Industrial visit.

- ➢ Establishing funded labs by leading companies.

- ➢ Add-on Programs are conducted by expert from Industries.

- ➢ Establishment of Centre of Excellence.

- ➢ Promoting faculty members to interact with Industries to extend consultancy services.

- ➢ Motivating students take up Internship/Placement from leading Organizations.

6.3.9 Admission of Students

- ➢ Students are admitted as per the eligibility norms of Anna University, Chenni through Single window counselling and as well as management quota.

- ➢ College Advertisements will be given before the commencement of counselling.

- ➢ Management quota seats will be filled through consortium examination.

6.4 Welfare schemes for

Teaching	Group Insurance scheme, Employee Provident Fund, Transportation, On-duty leaves facilities, Sponsorship for attending seminars/workshops/ conferences
Non teaching	Group Insurance scheme, Employee Provident Fund, Transportation, On-duty leaves facilities,
Students	Group Insurance scheme, Transportation, On-duty leaves facilities, Sponsorship for attending seminars/workshops/ conferences

6.5 Total corpus fund generated

59,65,000

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	YES	YES	YES
Administrative	YES	YES	YES	YES

6.8 Does the University/ Autonomous College declare 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?

NA

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

NA

6.11 Activities and support from the Alumni Association

> ➤ Corpus fund is generated under alumni association
>
> ➤ Alumni meet will be held every year, receive comments/feedbacks from them for further development of the institution.

6.12 Activities and support from the Parent – Teacher Association

> ➢ Complaints from parents are obtained in parent teacher meeting.
>
> ➢ Grievances and complaints are taken utmost care, analyzed and rectified at the earliest.

6.13 Development programmes for support staff

> ➢ Institution has Faculty Development Cell headed by the Principal.
>
> ➢ Granting permission to attend orientation programs organized by other institutions.
>
> ➢ Encouraging faculty participation in national and international events.
>
> ➢ Supporting the faculty financially to meet their travelling and registration expenses in attending the seminars, workshops, Conferences etc.
>
> ➢ Organizing seminars and FDPs within the college for supporting the faculty to improve their academic skills.
>
> ➢ A well equipped library with numerous books, journal, and magazines helps the faculty to enrich their knowledge.
>
> ➢ Providing special on duty leaves to pursue their Ph.D. Assistance in submitting funded Research proposals.

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

> ➢ Energy Conservation
>
> ➢ Use of Renewable Energy
>
> ➢ Rain Water Harvesting System
>
> ➢ Efforts for Carbon Neutrality
>
> ➢ Tree Plantation

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.

> - Technical Club activities.
>
> - Permitting students to under training on add on program on latest technologies.
>
> - Establishment of high tech. Funded labs
>
> - Creating a culture for research & Product development.
>
> - Involving in social activities.
>
> - Supporting faculty for Research & Development.
>
> - IIT Bombay Remote training programs.
>
> - KCARDS an infrastructure for R&D and P&D.
>
> - Membership in professional bodies.
>
> - Management scholarship to the students.
>
> - Teaching learning process.
>
> - Technically qualified and experienced faculty members.
>
> - MoU's signed with leading Industries.
>
> - Faculty Development Programs.
>
> - Add-on programs.
>
> - Helping for Internship.
>
> - Having a good placement record.

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

> Yes, as per plan (Annexure-III)

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

> ➢ Action plan of the department
>
> ➢ Review of Academic performance
>
> ➢ Self appraisal of faculty members and review
>
> ➢ Department level Association activities to empower the students
>
> ➢ Extension activities by staff and students
>
> ➢ Achievements of staff and students
>
> ➢ Motivational measures for poor performers
>
> ➢ Industrial visits, in-plant training and internships
>
> ➢ Feedback of stakeholders and its review
>
> ➢ Review of best/ innovative practices
>
> ➢ Training and placement activities
>
> ➢ Research and development
>
> ➢ Overall personality development of the students
>
> ➢ EDC/IEDP Skill developments.
>
> ➢ Technical club activities.
>
> ➢ Motivating students to involve in sports/cultural/technical events.
>
> ➢ Periodic conduction of programs under NSS/YRC club.

8. **Plans of institution for next year**

> ➢ Further promoting Research and Consultancy work.
> ➢ Encouraging faculty members to register for MPhil/PhD
> ➢ Extending technological training programs for outsiders.
> ➢ Product developments and commercialisations.
> ➢ Improving academic results and placements.
> ➢ Support service for Entrepreneurship skill developments.
> ➢ Planning for applying NBA.
> ➢ Anna University recognized research centres.
> ➢ Improving social activities and gender sensitising programs.
> ➢ More collaboration with Industries.
> ➢ Getting funding proposals for research projects.

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Name : Dr.M.KANNAN

IQAC CO-ORDINATOR

M. Cannan

Signature of the Coordinator, IQAC

Name Dr.P.BANUMATHI

PRINCIPAL

Signature of the Chairperson, IQAC

PRINCIPAL
KATHIR COLLEGE OF ENGINEERING,
NEELAMBUR,
COIMBATORE-62.

***

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

****

ANNEXURE-II

Strengths

➢ Recognized by UGC under 2(f).

➢ Certified with ISO 9001:2008 by TUV Rhineland.

➢ Highly transparent Governance and Administration with well-defined decentralization of authority.

➢ Sound financial position of the trust for managing the institution.

➢ One of the sought after institutes by students in Coimbatore.

➢ Committed management and dedicated faculty members.

➢ Constant encouragement is given to faculty members in pursuing research work

➢ Orientation programmes at the institution and department level for both new and existing faculty members on the vision, mission and campus culture.

➢ Seminars, workshops, conferences and faculty development programmes are organized at the department and college level to strengthen the existing knowledge base.

➢ Staff welfare schemes that are beneficial for maintaining strong bonds between the institution and the faculty

➢ Transport facility to meet the requirement of the students and staff.

➢ Separate hostels for male and female students.

➢ Class mentoring and monitoring of the students.

➢ Special care is taken for slow learners to improve overall academic performance.

➢ Meritorious and economically weak students are offered scholarships.

➢ Bridge courses and remedial teaching sessions are conducted for the students who require assistance to improve their academic performance.

➢ Students are encouraged to present papers in National / International symposia /Conferences.

➢ Value added courses are conducted in collaboration with industries to integrate knowledge with skill, which in turn will enhance learning and creativity.

➢ The well-established industrial powered labs, which provide the required training to make the students industry ready.

➢ Professional Societies student chapters are established.

➢ Modern infrastructure with a massive campus renovation (including facilities like modern ICT-enabled classrooms).

➢ Well established IT infrastructure with 652 latest computers.

➢ Faculty members and students are provided with 20 Mbps, 24×7 Wi-Fi connectivity throughout the campus.

➢ Personal login ID to all students, faculty members and non-teaching staff for inter and intra communication.

- The central library has 27789 books and subscription to 105 National and International Journals/ magazines.
- The college has a very good feedback system, which collects feedback from all the stakeholders and makes use of this feedback for implementing new systems
- Whenever and wherever necessary for self-correction continuous improvement.
- A strong Alumni Association network.
- Various clubs and associations to improve the co-curricular and extra-curricular activities of the students.
- Installation of bio-gas, solar water heaters, solar street light and rainwater harvesting are well established.
- Technical club activities.
- EDC/IEDP/KCARDS/IIT Bombay nodal center.
- Promoting students/faculty members for Industrial training.
- Good Placement record.
- NPTEL Local chapter.
- Special attention to slow learners to improve their academic and placement performance.

Weaknesses

- Awareness of IPR among faculty needs to be enhanced to accelerate effective conversion of research activities into viable / commercial projects.
- Number of funded R & D projects in cutting-edge technologies needs to be improved.
- Average experience of overall faculty members is not appreciable.
- Journal publications in Scopus indexed journals are less.

Opportunities

- Increasing the research programs offered at the institute to meet the rapidly increasing demand.
- Adequate infrastructural facilities collaborate with leading industries.
- Networking and sharing of facilities with other institutions and industries.
- Leveraging the strong links with distinguished alumni to develop the industrial relations for development projects, consultancy works etc.,
- Collaboration with foreign Universities for exchange programmes.
- Introduce innovative add-on programmes to suit divergent needs of students and satisfy industry expectations.

- More activity-based events associated in enhancing technical capability and career opportunities to kindle the interest among the students.
- Opportunities are available for students to become entrepreneurs through Entrepreneurship Development Cell/IEDP.

Challenges

- Number of students from non-English medium schools and rural background, including first graduates.
- Getting grants through Government funded Projects and consultancies.
- Migration of faculty members in high-demand areas to industry / other institutes /foreign Universities.
- Fast changing technologies and modern educational challenges that are certain to place huge demands on the efforts to mobilize resources for upgrading human resources and physical infrastructure.
- Number of students joining PG programs is appreciably reduced.

ANNEXURE-III

ACADEMIC CALENDAR 2016 – 2017 (ODD SEMESTER)

JULY 2016			
Date	**Day**	**Particulars**	**Days**
1	Fri		
2	Sat		
3	Sun		
4	Mon		
5	Tue		
6	Wed		
7	*Thu*	*RAMZAN - Holiday*	
8	Fri		
9	Sat		
10	*Sun*	*Holiday*	
11	Mon	**Re-opening for Senior B.E/B.Tech**	01
12	Tue		02
13	Wed		03
14	Thu		04
15	Fri		05
16	Sat		06
17	Sun	*Holiday*	
18	Mon		07
19	Tue	Completion of I Unit (08 working days)	08
20	Wed		09
21	Thu		10

22	Fri		11
23	Sat		12
24	Sun	Holiday	
25	Mon		13
26	Tue		14
27	Wed		15
28	Thu	Completion of II Unit (08 working days)	16
29	Fri		17
30	Sat		18
31	Sun	Holiday	
Total No. of Working Days : 18			

AUGUST 2016			
Date	**Day**	**Particulars**	**Days**
1	Mon		19
2	Tue	Completion of III Unit (Half) (04 working days)	20
3	Wed		21
4	Thu		22
5	Fri	Class Committee Meeting - I	23
6	Sat	First Saturday - Holiday	
7	Sun	Holiday	
8	Mon		24
9	Tue	CIA Test - I	
10	Wed	CIA Test - I	
11	Thu	CIA Test - I	
12	Fri		25

	13	*Sat*		26
	14	*Sun*	*Holiday*	
	15	*Mon*	*Independence Day – Holiday*	
	16	Tue		27
	17	Wed	Completion of III Unit (Half) (04 working days)	28
	18	Thu		29
	19	Fri		30
	20	Sat		31
	21	*Sun*	*Holiday*	
	22	Mon		32
	23	Tue		33
	24	Wed		34
	25	*Thu*	*Krishna Jayanthi – Holiday*	
	26	Fri		35
	27	Sat	Completion of IV Unit (08 working days)	*36*
	28	*Sun*	*Holiday*	
	29	Mon		37
	30	Tue		38
	31	Wed		39
Total No. of Working Days : 39				

SEPTEMBER 2016			
Date	**Day**	**Particulars**	**Days**
1	Thu		40
2	Fri		41
3	Sat		42
4	*Sun*	*Holiday*	
5	*Mon*	*Vinayagar Chathurthi- Holiday*	
6	Tue		43
7	Wed	Completion of V Unit (08 working days)	44
8	Thu		45
9	Fri	Class Committee Meeting - II	46
10	Sat		47
11	*Sun*	*Holiday*	
12	Mon		48
13	*Tue*	*Bakrid - Holiday*	
14	Wed	***CIA Test – II***	
15	Thu	***CIA Test – II***	
16	Fri	***CIA Test – II***	
17	Sat	*Third Saturday - Holiday*	
18	*Sun*	*Holiday*	
19	Mon		49
20	Tue		50
21	Wed		51
22	*Thu*		52
23	Fri		53

24	Sat		54
25	Sun	Holiday	
26	Mon		55
27	Tue		56
28	Wed		57
29	Thu		58
30	Fri		59
Total No. of Working Days : 67			

OCTOBER 2016			
Date	**Day**	**Particulars**	**Days**
1	Sat	First Saturday - Holiday	
2	Sun	Gandhi Jayanthi - Holiday	
3	Mon	Class Committee Meeting - III	60
4	Tue		61
5	Wed		62
6	Thu	**CIA Test – III**	
7	Fri	**CIA Test – III**	
8	Sat	**CIA Test – III**	
9	Sun	Holiday	
10	Mon	Ayutha Pooja - Holiday	
11	Tue	Vijaya Dasami – Holiday	
12	Wed	Muharram – Holiday	
13	**Thu**	**Commencement of University Practical Exams**	**63**
14	Fri		64
15	Sat		65

16	Sun	*Holiday*	
17	*Mon*		66
18	*Tue*		67
19	*Wed*		68
20	Thu		69
21	Fri		70
22	Sat		71
23	*Sun*	*Holiday*	
24	Mon		72
25	Tue		73
26	Wed		74
27	Thu	*Last Working Day*	75
28	Fri		
29	Sat	*Deepavali - Holiday*	
30	*Sun*		
31	*Mon*		
Total No. of Working Days : 75			

NOVEMBER 2016			
Date	**Day**	**Particulars**	**Days**
1	Tue		
2	**Wed**	***Commencement of End Semester Examination***	
3	Thu		
4	Fri		
5	Sat		
6	*Sun*	*Holiday*	

7	Mon		
8	Tue		
9	Wed		
10	Thu		
11	Fri		
12	Sat		
13	*Sun*	*Holiday*	
14	Mon		
15	Tue		
16	Wed		
17	Thu		
18	Fri		
19	Sat		
20	*Sun*	*Holiday*	
21	Mon		
22	Tue		
23	Wed		
24	Thu		
25	Fri		
26	Sat		
27	*Sun*	*Holiday*	
28	Mon		
29	Tue		
30	Wed		
Total No. of Working Days : 75			

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ACADEMIC CALENDAR 2016 – 2017 (EVEN SEMESTER)

Date	Day	Particulars	Days
JANUARY 2017			
1	Sun	Holiday	
2	Mon		
3	Tue		
4	Wed	Re-opening for VIII Semester B.E/B.Tech	01
5	Thu		02
6	Fri		03
7	Sat		04
8	Sun	Holiday	
9	Mon		05
10	Tue		06
11	Wed		07
12	Thu		08
13	Fri		09
14	Sat	Pongal - Holiday	
15	Sun	Holiday	
16	Mon	Uzhavar Tirunal - Holiday	
17	Tue		10
18	Wed		11
19	Thu	Completion of Unit - I	12
20	Fri		13
21	Sat		14
22	Sun	Holiday	
23	Mon		15
24	Tue		16
25	Wed		17
26	Thu	Republic Day - Holiday	
27	Fri		18
28	Sat		19
29	Sun	Mud – fest'2017	
30	Mon	Class Committee Meeting - I	20
31	Tue		21
Total No. of Working Days : 21			

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ACADEMIC CALENDAR 2016 – 2017 (EVEN SEMESTER)

Date	Day	Particulars	Days
FEBRUARY 2017			
1	Wed		22
2	Thu	CIA – I TEST	
3	Fri	CIA – I TEST	
4	Sat	CIA – I TEST	
5	Sun	Holiday	
6	Mon		23
7	Tue	Completion of Unit - II	24
8	Wed		25
9	Thu		26
10	Fri		27
11	Sat		28
12	Sun	Holiday	
13	Mon		29
14	Tue		30
15	Wed		31
16	Thu		32
17	Fri		33
18	Sat	Third Saturday - Holiday	
19	Sun	Holiday	
20	Mon		34
21	Tue		35
22	Wed	Completion of Unit - III	36
23	Thu		37
24	Fri		38
25	Sat		39
26	Sun	Holiday	
27	Mon	Class Committee Meeting - II	40
28	Tue		41
Total No. of Working Days : 41			

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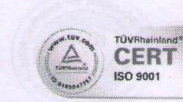(Approved by AICTE /Affiliated to Anna University)
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ACADEMIC CALENDAR 2016 – 2017 (EVEN SEMESTER)

MARCH 2017			
Date	Day	Particulars	Days
1	Wed		42
2	Thu	CIA – II TEST	
3	Fri	CIA – II TEST	
4	Sat	CIA – II TEST	
5	Sun	Holiday	
6	Mon		43
7	Tue		44
8	Wed		45
9	Thu		46
10	Fri		47
11	Sat	Completion of Unit - IV	48
12	Sun	Holiday	
13	Mon		49
14	Tue		50
15	Wed		51
16	Thu		52
17	Fri		53
18	Sat	Third Saturday - Holiday	
19	Sun	Holiday	
20	Mon		54
21	Tue		55
22	Wed		56
23	Thu		57
24	Fri		58
25	Sat		59
26	Sun	Holiday	
27	Mon	Completion of Unit - V	60
28	Tue	Class Committee Meeting - III	61
29	Wed	Telugu New Year - Holiday	
30	Thu	CIA – III TEST	
31	Fri	CIA – III TEST	
Total No. of Working Days : 61			

PRINCIPAL

Academic Co-ordinator

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ACADEMIC CALENDAR 2016 – 2017 (EVEN SEMESTER)

APRIL 2017			
Date	Day	Particulars	Days
1	Sat	CIA – III TEST	
2	Sun	Holiday	
3	Mon		62
4	Tue		63
5	Wed		64
6	Thu		65
7	Fri		66
8	Sat		67
9	Sun	Holiday	
10	Mon		68
11	Tue		69
12	Wed		70
13	Thu	Last Working day	71
14	Fri	Tamil New Year - Holiday	
15	Sat	Third Saturday - Holiday	
16	Sun	Holiday	
17	Mon		
18	Tue		
19	Wed		
20	Thu		
21	Fri		
22	Sat		
23	Sun	Holiday	
24	Mon		
25	Tue		
26	Wed		
27	Thu		
28	Fri		
29	Sat		
30			
Total No. of Working Days : 71			

Academic Co-ordinator

PRINCIPAL

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