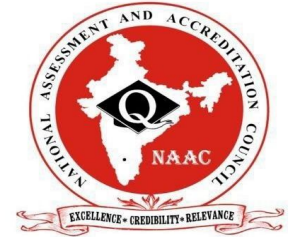# The Annual Quality Assurance Report (AQAR) of the IQAC

2017-18

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 an international eminence for fostering Research and Development, in addition also to encourage 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 their 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 2017:18 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.D.ANANTHA KRISHNAN
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.D.ANANTHA KRISHNAN

Tel. No. with STD Code:

0422-2203773

Mobile:

9566533366

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/2017-2018/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)*

2017-18

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   2016-2017 & 10/10/2017

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   AFFILIATED TO 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. 4   Faculty ✓

Non-Teaching Staff Students   ✓   Alumni ✓   Others ✓

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

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 conducted.
> Induction of IAS Academy
> Products of Products through EDC & KCARDS
> Establishment of IEDP hub
> Conducted 3 social service programs through NSS
> Establishment of Hi-tech labs
> Recommendation made to management for establishing start -up company with in campus
> Add-on Courses & Placement Training programs

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
6. ISO Audit	Executed
7. Research Projects	Submitted
8. Start Up Companies	Executed

* *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

This AQAR was placed for perusal by the college administration team before submission.

The report was checked by the members of the administration team and areas for improvements in each department is identified.

Suggestions and comments for improvement were incorporated through minor corrections.

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	NIL	NIL	NIL	NIL
PG	5	NIL	NIL	NIL
UG	5	NIL	NIL	NIL
PG Diploma	NIL	NIL	NIL	NIL
Advanced Diploma	NIL	NIL	NIL	NIL
Diploma	NIL	NIL	NIL	NIL
Certificate	10*	NIL	NIL	NIL
Others	NIL	NIL	NIL	NIL
Total	20	NIL	NIL	NIL

Interdisciplinary				
Innovative				

*- Each dept. conducts 2 add on programs per year.

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

Pattern	Number of programmes
Semester	2
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.

As per the Anna university norms, we follow 2017 & 2013 regulation as prescribed.

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

> ➢ No academic departments are established.
> ➢ Two centres are established under TNSDC (Tamilnadu Skill Development Corporation) one in Electrical and another one in Computer discipline under sponsored program.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
159	145	8	6	-

2.2 No. of permanent faculty with Ph.D. | 8 |

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year   (2016-2017)

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
38	1	0	0	4	0	11	0	53	1

2.4 No. of Guest and Visiting faculty and Temporary faculty | 24 | | 0 | | NIL |

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	42	15	1
Presented papers	65	13	NIL
workshop			7
Resource Persons	4	NIL	NIL

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

> ➢ Motivating students to participate in NPTEL and similar programs and 3 of them were certified.
> ➢ Theoretical study are experimentally demonstrated.
> ➢ Students are trained on advanced technologies through special programs and are involved towards product developments.
> ➢ Technical club activities.
> ➢ Promoting students for Internship.
> ➢ Permitting new faculty members to participate in FDTP.
> ➢ Periodic Industrial visit for students and staffs to enrich their knowledge as per current trends.
> ➢ Supporting students for journal publications.

2.7 Total No. of actual teaching days during this academic year | 165 |

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions) | As per ANNA UNIVERSITY, Chennai. |

2.9 No. of faculty members involved in curriculum
Re-structuring/revision/syllabus development

1	NIL	NIL

   as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

81.84%

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 (CIVIL)	102	0	32.5	22.5	NA	55
B.E (CSE)	42	2	67	0	NA	69
B.E (ECE)	79	0	59.5	19	NA	78
B.E (EEE)	38	5.26	44.7	5.26	NA	55.26
B.E (MECH)	201	0	45.27	22.38	NA	67.66
M.E (CSE)	6	17	83	00	NA	100
M.E (ECE)	07	0	71	0	NA	71
M.E (PED)	04	0	25	0	NA	25
M.E (Manufacturing)	4	0	25	0	NA	25
MBA	13	0	77	0	NA	77

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

➢ Assignment to II, III year students and projects to IV year students and as well as PG Students
➢ Students are assigned to do mini projects and real time product developments.
➢ Redesigning the add on programs as per the requirement of the Industries.
➢ Faculty development programs.
➢ Conducted bridge courses for freshers.
➢ Promoting experimental learning.
➢ Industrial visits.
➢ Encouraging students to participate in national/international events to improve their technical competency.
➢ Periodically conducted of technical club activities by students.
➢ Class committee meeting before the commencement of internal assessments.
➢ Preparing and following academic calendar.
➢ Student assessment through class test/continuous internal assessments/assignments.
➢ Receiving feedback from students/parents periodically.
➢ Planning and execution of course work.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	NIL
UGC – Faculty Improvement Programme	4
HRD programmes	-
Orientation programmes	5
Faculty exchange programme	-
Staff training conducted by the university	20
Staff training conducted by other institutions	13
Summer / Winter schools, Workshops, etc.	8
Others	2

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	11	NIL	0	NIL
Technical Staff	26	NIL	0	NIL

Criterion – III
3. Research, Consultancy and Extension

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

> ➢ Promoting faculty members and students for developing prototypes that can be extended for research and consultancy work.
> ➢ Awareness programs on patents/copyrights.
> ➢ Support services for publications.
> ➢ Motivating faculty members to participate/conduct conference/seminars/workshops/technical training associate with research.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	NIL	NIL	NIL	NIL
Outlay in Rs. Lakhs	NIL	NIL	NIL	NIL

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	16*	NIL	NIL	NIL
Outlay in Rs. Lakhs	Rs.80000	NIL	NIL	NIL

*Projects assigned and completed based on internal funding support

3.4 Details on research publications

	International	National	Others
Peer Review Journals	36	NIL	NIL
Non-Peer Review Journals	NIL	NIL	NIL
e-Journals	31	NIL	NIL
Conference proceedings	23	NIL	NIL

3.5 Details on Impact factor of publications:

Range   2   Average   h-index   7   Nos. in SCOPUS

3.6 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				
Minor Projects	17-18	P&T BUILDERS	50,000	20,000
		SYSTEL	100000	50000
Interdisciplinary Projects				
Industry sponsored	17-18	Blooms knit, Tirupur	10000	10000
Projects sponsored by the University/ College				
Students research projects *(other than compulsory by the University)*				
Any other(Specify)	17-18	TNSDC	726000	452760
Total			**Rs.886000**	**Rs.532760**

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

ii) Without ISBN No.   [10]

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) [-]

3.10 Revenue generated through consultancy   [**Rs. 80,000/-**]

3.11 No. of conferences   organized by the Institution

Level	International	National	State	University	College
Number	1				
Sponsoring agencies	Management				

3.12 No. of faculty served as experts, chairpersons or resource persons   [12]

3.13 No. of collaborations   International | - | National | - | Any other | - |

3.14 No. of linkages created during this year | 8 |

3.15 Total budget for research for current year in lakhs: Rs. 100000

From funding agency | | Management of University/College | ✓ |

Total | Rs. 100000 |

 3.16 No. of patents received this year

Type of Patent		Number
National	Applied	-
	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
33	33					

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

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

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 | 54 |

National level | - | International level | - |

Five programs were organized with the 54 students of NSS members

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	-	State level	-
National level	-	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	1		
NCC		NSS	3	Any other	3

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

- ➢ Awareness programme on a Donating Organs" at Rathinam Tech Zone on 08.03.2018
- ➢ Helmet Awareness Rally From Kathir College To Chinniyampalayam On 30.08.18 Organized By Kathir College in Association with Dept. Tamilnadu Police
- ➢ Cleanliness awareness rally program organized by Airport Authority of India and KCE on 28.10.2018
- ➢ A Moral Awareness seminar program to protect the value of human life from conception to natural death. Conducted by Life for All
- ➢ An awareness program in blood stem cell donation. conducted by Datri Foundation
- ➢ Student Insurance where initiated.

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 a) Total Area b) Build up area	51030.85 Sqm Campus Area & 28084.99 Sqm	-	Management	-
Class rooms	39		Management	-
Laboratories (TNSDC lab resource establishment for two courses)	29	Rs.60217	TNSDC	Rs.60217
Seminar Halls	6		Management	-
No. of important equipment's purchased (≥ 1-0 lakh) during the current year.	NIL		-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	NIL		-	-
Others (Establishment of ARDUINO lab)	Nil	Rs.8000	Pantech	Rs. 8000

4.2 Computerization of administration and library

> ➢ Computerized Library administration.
> ➢ River innovation software based students' academic management
> ➢ Biometric based attendance management system.
> ➢ NPTEL resources are managed by the library department.
> ➢ Using E-resources (Online journal E-Books)

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	19001	6904076			19001	6904076
Reference Books	9885	3598140	140	56921	10025	3655061
e-Books	DELNET resource		139	337641	139	337641
Journals	209	667213				
e-Journals	DELNET resource		DELNET resource	11500	-	11500
Digital Database						
CD & Video	1410	-			1410	-
Others (specify)	NPTEL	-				

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart -ments	Other s
Existing	652	450	20Mbs	150	-	22	30	-
Added	-	-	-	-	-	-	-	-
Total	652	450	20Mbs	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 specific internet lab for training and self-preparations.
> ➢ OPAC (Online Public Access Catalogue) Student services in Library
> ➢ Software used for student's online academic management system.
> ➢ Awareness program for student and staff members on NPTEL courses.

4.6 Amount spent on maintenance in lakhs:

i) ICT   Rs. 50,460

ii) Campus Infrastructure and facilities   Rs. 23,85,417

iii) Equipment's   Rs.3,81,141

iv) Others   Rs.6,41,43,946

Total: Rs. 6, 69,60,964

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

> ➢ Conducted Orientation program for First Year students
> ➢ Parent teacher meeting
> ➢ Alumni meeting
> ➢ Institution workshop/seminars/conferences and guest lecturers
> ➢ Add-on courses for placement
> ➢ Induction programs through IAS Academy
> ➢ Establishment of Technological labs
> ➢ Social responsibility programs through NSS cell.
> ➢ Placement through ON/OFF Campus interviews
> ➢ Internship and industrial visit.
> ➢ Guiding students to perform experiments on certain theoretical aspects.

5.2 Efforts made by the institution for tracking the progression

> ➢ Feedback from stake holders
> ➢ Self-appraisal
> ➢ Students and staff counselling
> ➢ Suggestion box and remedial measures

05.3 (a) Total Number of students

UG	PG	Ph. D.	Others
873	80	NIL	40

(b) No. of students outside the state

18

(c) No. of international students

NA

Men
No	%
736	77.2

Women
No	%
217	22.8

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
0	204	1	798	-	1003	65	182	6	700	0	953

Demand ratio   -   Dropout % 1.5

Note: The actual strength is less than the sanctioned strength and hence demand ratio is not defined.

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

> ➢ Awareness program through internal and external resource are organized on GATE Examination.
> ➢ Students were permitted to attend International Education program on higher studies and competitive examination classes.

No. of students beneficiaries   127

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

> ➢ Academic and career counselling.
> ➢ Personal and psycho-social counselling.
> ➢ Alumni meeting for Industrial connect.
> ➢ Career oriented technical programs.
> ➢ Aptitude training through soft skill department.

No. of students benefitted   234

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
24	253	106	47

5.8 Details of gender sensitization programmes

> ➢ A program on "**Self Vigilance and self-defence for women** " was conducted on 10/8/18 in association with RM Foundation charitable trust and 180 students benefit out of it.

5.9 Students Activities

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

    State/ University level | 9 | National level | | International level | |

No. of students participated in cultural events

    State/ University level | 10 | National level | | International level | |

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

    Sports : State/ University level | 1 | National level | | International level | |

    Cultural: State/ University level | 10 | National level | | International level | |

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	90	Rs.1.3 Cr
Financial support from government	609	Rs.3,544,385
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 | 1 |

Exhibition: State/ University level | 1 | National level | - | 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 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 innovative skills.
> - ➢ To organize a pluralistic and professional environment that will stimulate scholars of the higher calibre and contribute immensely to national building

6.2 Does the Institution has a management Information System

> - ➢ Kathir Computing facility department will provide support service for the complete academic information management system through software for all the departments.
> - ➢ Fully computerized Library administration using bar code technology.
> - ➢ River Innovation software for students' academic management.
> - ➢ Electronic Entry and Exit management system.
> - ➢ Circulation of books and non-book through ModernLIB software.
> - ➢ OPAC, WEBOPAC (Book CD's and questions)
> - ➢ Using E-Resources (Online Journals and E-Books
> - ➢ NPTEL Resources.

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

6.3.1 Curriculum Development

> NA and we follow as per the norms of Anna University, Chennai.

6.3.2 Teaching and Learning

> 1. Revision Periodical/Class Test
> 2. In plant training
> 3. Industrial linkages
> 4. Special attention towards slow learners
> 5. Periodic assessments

6.3.3 Examination and Evaluation

> Our EMS (Examination Management System) cell will take care of all the examination and assessment as the regulation set by the Anna university.

6.3.4 Research and Development

> Two faculty members received guideship under Anna University, Chennai.
> Three faculty members were attended a "Certificate course on Effective Patent Drafting (PATDRAFT-2017)" Organized by CIPR of Anna University, Chennai.
> A one day workshop on "Intellectual Property Rights" was organized on 16/12/2017. Resource Dr.M.Kandababu, Director, CIPR, Anna University, Chennai.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Infrastructure

> Students and faculty members are permitted to access e-journals on subject of Interest.
> Digital library, NPTEL CD's etc. are available and are used by the Students and faculty members.
> Established IIT Bombay remote centre for participating various FDP/Seminars/Workshops conducted by IIT Bombay and IIT Kharagpur.

Instrumentation

> Compression Test machine for concrete testing by few clients such as Indian railways (Southern)
> Power quality analyzer which are extended to be used by the energy management and associated companies.
> Embedded system lab with necessary hardware and software for electronic product developments from 8 bit processor to 32 bit processor.
> National Instruments Lab view lab for Testing, measurements and simulation.
> CNC Turning machine and CNC Hitec Milling machine

6.3.6 Human Resource Management

> ➢ Faculty recruitment is strictly following by the norms laid by AICTE, NewDelhi and Anna University, Chennai.
> ➢ Expert selection committee will scrutinize profiles and select the employee as per norms.
> ➢ Self appraisal reports to monitor the academic performance, status of faculty members and will be reviewed by HOD's, Principal and Management Representative.
> ➢ Faculty members were encouraged to update their knowledge/skill set through Industrial training programs/
> ➢ Tutor record will be maintained for every batch of students and appropriate counselling will be given on requirement.
> ➢ Suggestion box will be used by Students community .

6.3.7 Faculty and Staff recruitment

> The eligibility condition for the faculty recruitment is strictly based on the AICTE and Anna University norms with respect to each deparment.

6.3.8 Industry Interaction / Collaboration

> ➢ Faculties are permitted to undergo Industrial training facilities.
> ➢ MoU's with many companies by each department
> ➢ Periodic industrial visit.
> ➢ Establishment of Industrial sponsored funded labs.
> ➢ Technical training programs are conducted by Industrial experts.
> ➢ Establishment of centre of excellence.
> ➢ Students Internship/placement from leading Industries.

6.3.9 Admission of Students

> ➢ UG Students are admitted based on the norms laid by Anna University, Chennai through TNEA (Tamilnadu Engineering Admission) and few through management quota.
> ➢ PG Students are admitted based on TANCET and also through management quota.

6.4 Welfare schemes for

Teaching	➢ Free Transportation ➢ Group Insurance, EPF ➢ On duty leave ➢ Maternity leaves ➢ Sponsorship for attending Seminars/workshops/conference support service for faculty perusing Ph.D.
Non teaching	➢ Free Transportation ➢ Group Insurance ➢ EPF ➢ Maternity leaves
Students	➢ Group Insurance ➢ Support service for publications ➢ Appreciation for rank holders, ➢ Placement assistance ➢ Technological Training and developments ➢ Industrial visit and Internship

6.5 Total corpus fund generated

Rs.39493450

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	ISO	YES	IQAC
Administrative	Yes	ISO	YES	IQAC

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

NA

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?

6.11 Activities and support from the Alumni Association

> ➢ Rs.540000 Corpus fund is generated.
> ➢ Alumni meet held every year.
> ➢ Receive comments and feedback form Alumni to improve academic conduction, better placement and Entrepreneurship developments.
> ➢ Placement support through Alumni network.

6.12 Activities and support from the Parent – Teacher Association

> ➢ Feedback received from the parents and appropriate actions will be taken.

6.13 Development programmes for support staff

> ➢ Support staff members were encouraged to register for higher studies.
> ➢ Permitting them to undergo in-house training and development programs to improve their capability and knowledge on technologies.
> ➢ Permitting the use of library and computer lab facilities

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

> ➢ Energy consumption awareness program and action.
> ➢ Rain water harvesting systems.
> ➢ Use of renewable energy.
> ➢ Efforts for carbon neutrality.
> ➢ Solar panel installation with a capacity of 35 kW.

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 undergo training programs on latest technologies through in-house and third party support.
> - Student's involvement in social activities.
> - Supporting faculty members for research and product developments.
> - NPTEL awareness programs and support service for Certifications.
> - Management scholarships to eligible students.
> - More revision classes and assessments to improve students' academic performance.
> - MoU signed with leading Industries.
> - Industrial visit and Internship programs.
> - Worked towards better placement for academically eligible students.

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

> - International Conference on Knowledge Collaboration in Engineering ICKCE-18 is held on 24/3/2018.
> - IPR Cell is inaugurated on 16/12/2017 and a two day program is organized under state level.
> - Two IQAC meeting are conducted with respective coordinators.
> - Add-on programs were conducted based on industrial requirements.
> - Students are placed in leading industries through ON and OFF campus placement drives.
> - Further action plan is framed to improve the academic results.
> - Internal academic audit is reviewed.
> - Anna University, Chennai affiliation process is granted during the month of March, 2018.
> - New labs where setup and equipments purchased.

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

> - Industrial based training and placement support.
> - Innovation initiated towards students projects/products

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

7.4 Contribution to environmental awareness / protection

> ➢ Roof top solar panel with a capacity of 35 kW
> ➢ Tree plantations.
> ➢ Helmet awareness program.

7.5 Whether environmental audit was conducted?   Yes ☐   No ✓

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

> ➢ Management is providing scholarship to the academic merit oriented students.
> ➢ The institution is supporting students to avail Government scholarships.
> ➢ Faculty members are permitted to attend FDTP's.
> ➢ Periodical Industrial visit and Internship support is extended to students.
> ➢ Students and staffs were motivated to undergo certification program by NPTEL and the institution is the authorized SPOC centre.

8. Plans of institution for next year

- ➤ Improving Admissions.
- ➤ Have to attain good pass percentage.
- ➤ Placement support for all the academically eligible students.
- ➤ Encourage faculty members to register for Ph.D .
- ➤ Permitting faculty members for Industrial training.
- ➤ Enhancing research and product development culture among students and faculty members.
- ➤ Improving financial support through different funding agencies under various concerns.
- ➤ Streamline all academic procedures towards applying for Autonomy from **UGC** and stepping toward **NBA** Accreditation.
- ➤ Encourage faculty members to become University authorized Ph.D., supervisors and will work to accomplish Anna University recognized research centres.
- ➤ Guiding students to accomplish Anna University academic ranks.
- ➤ Organizing and participating in various National/International Conferences by both students and faculty members.
- ➤ Emphasizing Entrepreneurship development programs through EDC and IEDP cell among students community.
- ➤ Improving collaborations with Industries and Institutions.

Dr.D. ANANTHAKRISHNAN M.E.,Ph.D.,
Principal,
Kathir College of Engineering,
"Wisdom Tree"

Name _Dr. M. KANNAN_   Name   Avinashi Road, Neelambur.
Coimbatore - 641062

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

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Kathir College of Engineering
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Neelambur, COIMBATORE – 62

ACADEMIC CALENDAR 2017 – 2018 (ODD SEMESTER)
(for II,III,IV Year B.E/B.Tech)

JULY 2017			
Date	Day	Particulars	Days
1	Sat		
2	Sun	Holiday	
3	Mon	Re-opening for II,III and IV Year B.E/B.Tech	01
4	Tue		02
5	Wed		03
6	Thu		04
7	Fri		05
8	Sat		
9	Sun	Holiday	
10	Mon		06
11	Tue		07
12	Wed		08
13	Thu		09
14	Fri	Completion of I Unit (10 working days)	10
15	Sat		
16	Sun	Holiday	
17	Mon		11
18	Tue		12
19	Wed		13
20	Thu		14
21	Fri	Class Committee Meeting - I	15
22	Sat		
23	Sun	Holiday	
24	Mon	CIA Test - I	16
25	Tue	CIA Test - I	17
26	Wed	CIA Test - I	18
27	Thu	CIA Test - I	19
28	Fri	CIA Test - I	20
29	Sat	CIA Test - I	
30	Sun	Holiday	
31	Mon	Completion of II Unit (10 working days)	22
**Total No. of Working Days : 22**			

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ACADEMIC CALENDAR 2017 – 2018 (ODD SEMESTER)
(for II,III,IV Year B.E/B.Tech)

Date	Day	Particulars	Days
		AUGUST 2017	
1	Tue		22
2	Wed		23
3	Thu		24
4	Fri		25
5	Sat		26
6	Sun	Holiday	
7	Mon		27
8	Tue		28
9	Wed		29
10	Thu		30
11	Fri	Completion of III Unit (10 working days)	31
12	Sat		32
13	Sun	Holiday	
14	Mon	Krishna Jayanthi - Holiday	
15	Tue	Independence Day- Holiday	
16	Wed		33
17	Thu		34
18	Fri		35
19	Sat	Class Committee Meeting - II	36
20	Sun	Holiday	
21	Mon		37
22	Tue	CIA Test – II	38
23	Wed	CIA Test – II	39
24	Thu	CIA Test - II	40
25	Fri	Vinayakar Chathurthi - Holiday	
26	Sat		
27	Sun	Holiday	
28	Mon		41
29	Tue	CIA Test – II	42
30	Wed	CIA Test – II	43
31	Thu	CIA Test – II and Completion of Unit - IV	44
		Total No. of Working Days : 44	

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Kathir College of Engineering

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Neelambur, COIMBATORE – 62

ACADEMIC CALENDAR 2017 – 2018 (ODD SEMESTER)
(for II,III,IV Year B.E/B.Tech)

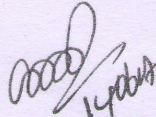| Date	Day	Particulars	Days
SEPTEMBER 2017
1	Fri		45
2	Sat	*Bakrid - Holiday*	
3	Sun	*Holiday*	
4	Mon	**Completion of Record Work**	46
5	Tue		47
6	Wed		48
7	Thu		49
8	Fri		50
9	Sat		
10	Sun	*Holiday*	
11	Mon		51
12	Tue		52
13	Wed		53
14	Thu	Completion of V Unit (10 working days)	54
15	Fri	Class Committee Meeting - III	55
16	Sat		
17	Sun	*Holiday*	
18	Mon	*CIA Test – III*	56
19	Tue	*CIA Test – III*	57
20	Wed	*CIA Test - III*	58
21	Thu	*CIA Test – III*	59
22	Fri	*CIA Test – III*	60
23	Sat	*CIA Test - III*	61
24	Sun	*Holiday*	
25	Mon		62
26	Tue		63
27	Wed		64
28	Thu		65
29	Fri	*Ayutha Pooja - Holiday*	
30	Sat	*Vijaya Dasami - Holiday*	
**Total No. of Working Days : 65**	

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ACADEMIC CALENDAR 2017 – 2018 (ODD SEMESTER)
(for II,III,IV Year B.E/B.Tech)

Date	Day	Particulars	Days
		OCTOBER 2017	
1	Sun	Muharram - Holiday	
2	Mon	Gandhi Jayanthi - Holiday	
3	Tue		66
4	Wed		67
5	Thu	**Commencement of University Practical Exams**	68
6	Fri		69
7	Sat		70
8	Sun	Holiday	
9	Mon		71
10	Tue		72
11	Wed		73
12	Thu		74
13	Fri	**End of Practical Exams - Tentative**	75
14	Sat		76
15	Sun	Holiday	
16	Mon		77
17	Tue	**Last Working Day - Tentative**	78
18	Wed	Deepavali - Holiday	
19	Thu		
20	Fri		
21	Sat		
22	Sun		
23	Mon		
24	Tue		
25	Wed		
26	Thu		
27	Fri		
28	Sat		
29	Sun		
30	Mon		
31	Tue		
		Total No. of Working Days : 78	

Academic Co-ordinator

PRINCIPAL

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TENTATIVE ACADEMIC CALENDAR 2017 – 2018 (EVEN SEMESTER)

Date	Day	Particulars	Days
		DECEMBER 2017	
1	Fri		
2	Sat		
3	Sun	*Holiday*	
4	Mon		
5	Tue		
6	Wed		
7	Thu		
8	Fri		
9	Sat		
10	Sun	*Holiday*	
11	Mon		
12	Tue		
13	Wed		
14	Thu		
15	Fri		
16	Sat		
17	Sun	*Holiday*	
18	Mon	**Re-opening for II,IV,VI Semester B.E/B.Tech**	01
19	Tue		02
20	Wed		03
21	Thu		04
22	Fri		05
23	Sat		06
24	Sun	*Holiday*	
25	Mon	*Christmas - Holiday*	
26	Tue		07
27	Wed		08
28	Thu		09
29	Fri	*Completion of Unit I*	10
30	Sat		11
31	Sun	*Holiday*	
		Total No. of Working Days : 11	
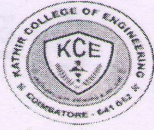
TENTATIVE ACADEMIC CALENDAR 2017 – 2018 (EVEN SEMESTER)

Date	Day	Particulars	Days
		JANUARY 2018	
1	Mon	New Year - Holiday	
2	Tue		12
3	Wed		13
4	Thu		14
5	Fri		15
6	Sat		16
7	Sun	Holiday	
8	Mon		17
9	Tue	CIA – I TEST	18
10	Wed	CIA – I TEST	19
11	Thu	CIA – I TEST	20
12	Fri		21
13	Sat	Holiday	
14	Sun	Pongal - Holiday	
15	Mon	Thiruvalluvar Tinam - Holiday	
16	Tue	Uzhavar Tirunal - Holiday	
17	Wed		22
18	Thu	Completion of Unit II	23
19	Fri		24
20	Sat		25
21	Sun	Holiday	
22	Mon		26
23	Tue		27
24	Wed		28
25	Thu		29
26	Fri	Republic Day - Holiday	
27	Sat	Holiday	
28	Sun	Holiday	
29	Mon		30
30	Tue		31
31	Wed		32
		Total No. of Working Days : 32	

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TENTATIVE ACADEMIC CALENDAR 2017 – 2018 (EVEN SEMESTER)

Date	Day	Particulars	Days
		FEBRUARY 2018	
1	Thu	*Completion of Unit III*	33
2	Fri		34
3	Sat	Technical Symposium	35
4	Sun	*Holiday*	
5	Mon		36
6	Tue		37
7	Wed		38
8	Thu	CIA – II TEST	39
9	Fri	CIA – II TEST	40
10	Sat	CIA – II TEST	41
11	Sun	*Holiday*	
12	Mon		42
13	Tue		43
14	Wed		44
15	Thu		45
16	Fri		46
17	Sat	*Completion of Unit IV*	47
18	Sun	*Holiday*	
19	Mon		48
20	Tue		49
21	Wed		50
22	Thu		51
23	Fri		52
24	Sat	Sports day / College Day	53
25	Sun	*Holiday*	
26	Mon		54
27	Tue		55
28	Wed		56
Total No. of Working Days : 56			

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ACADEMIC CALENDAR 2017 – 2018 (EVEN SEMESTER)

Date	Day	Particulars	Days
MARCH 2018			
1	Thu		57
2	Fri		58
3	Sat	Completion of Unit V	59
4	Sun	Holiday	
5	Mon		60
6	Tue		61
7	Wed		62
8	Thu		63
9	Fri		64
10	Sat		65
11	Sun	Holiday	
12	Mon		66
13	Tue		67
14	Wed		68
15	Thu		69
16	Fri		70
17	Sat	Third Saturday - Holiday	
18	Sun	Telungu New Year - Holiday	
19	Mon		71
20	Tue		72
21	Wed		73
22	Thu		74
23	Fri		75
24	Sat		76
25	Sun	Holiday	
26	Mon		77
27	Tue		78
28	Wed		79
29	Thu	Mahavir Jayanti	
30	Fri	Good Friday	
31	Sat	Holiday	
Total No. of Working Days : 79			

Kathir College of Engineering

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ACADEMIC CALENDAR 2017 – 2018 (EVEN SEMESTER)

APRIL 2018			
Date	Day	Particulars	Days
1	Sun	Holiday	
2	Mon		80
3	Tue		81
4	Wed		82
5	Thu		83
6	Fri		84
7	Sat		85
8	Sun	Holiday	
9	Mon		86
10	Tue	Last Working Day	87
11	Wed		
12	Thu	Commencement of Practical Examinations	
13	Fri		
14	Sat	Ambedkar Jayanti - Holiday	
15	Sun	Holiday	
16	MON		
17	TUE		
18	WED		
19	THU		
20	FRI		
21	SAT		
22	Sun	Holiday	
23	Mon	Commencement of End Semester Examinations	
24	Tue		
25	Wed		
26	Thu		
27	Fri		
28	Sat		
29	Sun		
30	Mon		
Total No. of Working Days : 87			

Academic Co-ordinator

PRINCIPAL

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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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