



KINGS ENGINEERING COLLEGE

Irungattukottai, Sriperumbudur, 602 117.

AQAR (ANNUAL QUALITY ASSURANCE REPORT) **2017-2018**

NAAC Executive Committee No.EC (SC)/22/A&A/29.1 Dated 22.02.2017

SUBMITTED TO



NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
(AN AUTONOMOUS INSTITUTE OF THE UNIVERSITY GRANTS COMMISSION)

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The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

AQAR for the year

2017-2018

I. Details of the Institution

1.1 Name of the Institution

KINGS ENGINEERING COLLEGE

1.2 Address Line 1

Opposite to Hyundai Motors,

Address Line 2

Irungattukottai

City/Town

Chennai

State

Tamil NADU

Pin Code

602117

Institution e-mail address

kingsengineeringcollege@yahoo.com

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Name of the Head of the Institution:

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Name of the IQAC Co-ordinator:

Mrs. B. ANITHA VIJAYALAKSHMI

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9840168607

IQAC e-mail address:

anithaneil@yahoo.co.in

1.3 NAAC Track ID

OR

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)/22/A&A/29.1 dated 22-02-2017

1.5 Website address:

www.kingsedu.ac.in.

Web-link of the AQAR:

www.kingsedu.ac.in/AQAR2017-18.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	1 st Cycle	B+	2.56	2016-2017	5 years

1.7 Date of Establishment of IQAC: DD/MM/YYYY

02-08-2016

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 - 2016-2017 Submitted on 31-01-19

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 (AICTE)

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)

1.11 Name of the Affiliating University ANNA UNIVERSITY

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

Autonomy by State/Central Govt. / University ---

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

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and
Community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held 02 Per Year.

2.11 No. of meetings with various stakeholders: No. 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

2.13 Seminars and Conferences (only quality related)

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

Total Nos. International National State Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

The IQAC played a very active role in inculcating the sense of providing quality education to the students with the following quality objectives for 2017-18:

- To introduce portal learning for students to learn course materials and to view videos etc.,
- To increase the NSS activities for the holistic development of students,
- To enhance the ecological practices so as to conserve water, power etc and make the campus eco-friendly.
- To develop R&D activities
- To establish robotics lab to enhance the interest among the students.

2.15 Plan of Action by IQAC/Outcome

Plan of Action

1. To conduct national conferences, seminars, workshops and guest lectures.
2. To establish robotics lab
3. To develop R&D activities

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Governing Council

Provide the details of the action taken

1. National conferences, seminars and guest lecturers were conducted by various departments
2. e-Yantra(robotics) lab setup for students benefits of all disciplines.
3. R&D development was enhanced through the establishment of project and innovation lab

Part – B Criterion – I

I. 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	1	Nil	Nil	
UG	4	--	--	
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	--	--	--	--
Certificate	--	--	--	23
Others	--	--	--	29
Total	5	--	--	52
Interdisciplinary				
Innovative				

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

Pattern	Number of programmes
Semester	4 UG +1 PG

- 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

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

Yes, Master of Engineering started for Computer Science and Engineering department

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
115	83	21	11	-

2.2 No. of permanent faculty with Ph.D.

11

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
83	-	21	-	11	-	-	-	-	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

-	3	-
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2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/ Workshops	--	52	--
Presented papers	10	34	--
Resource Persons	-	-	-

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

Faculty Innovation in teaching and learning summarized as per the following description. Contributions to teaching and learning are activities that contribute to the improvement of student learning. These activities may include innovations not limited to, use of instruction delivery and instructional methods. Contributions to teaching and learning should satisfy the following criteria:

- ✓ The work must be made available on Institute website
- ✓ The work must be available for peer review and critique
- ✓ The work must be reproducible and developed further by other scholars

The department/institution may set up appropriate processes for making the contributions available to the public, getting them reviewed and for rewarding. These may typically include the statement of clear goals, adequate preparation, use of appropriate methods, the significance of results, effective presentation and reflective critique.

Multimedia Learning Process:

- LCD projectors are available in all classrooms and seminar halls. Faculty members prepared well laid out PPTs on various topics with the guidance of senior faculty NPTEL, Simulations, Virtual Labs, PPTs and Charts are extensively used to augment conventional blackboard teaching.
- The institution also makes use of working models, charts and demonstration experiments and role play to make the learning practical and exciting.
- It will help the faculties to represent the content in a more meaningful way using different media elements.

Bridge Courses:

- The college offers Bridge Courses in selected subjects such as Computer Programming, Engineering Graphics, Mathematics, Basic Biology etc. for the enrolled students before the commencement of regular first year teaching programme also help to assess the students.
- Language Proficiency Programmes, Computer Orientation Programmes and personality development Programmes offered for educationally disadvantaged students and lateral entry students.
- Special coaching classes conducted for lateral entry students on communication skills and mathematics.

Guest lecturers:

- Guest Lectures on Recent trends conducted for the students that provide an overview by identifying key areas, stimulating thinking and facilitating understanding, arousing interest in their field.
- Industrial Visits and training advanced learners are recognized right from the beginning, from their score in the higher secondary, unit tests, model exam and first-semester university examination performance. They are called, and their interests and requirements are heard, and all the help is rendered to sustain their enthusiasm and further improvement in performance.
- The institution encourages the enthusiastic students who wish to participate in various competitions conducted both inside and outside the college.
- The students receive grants for attending national and international level conferences.
- The college organizes multiple events such as technical symposium, entrepreneurship development programs, innovative project competitions, poster presentations and quiz competitions in which they actively participate

Software Training Programmes:

- Value-added Programmes in thrust areas such as C, C++, programming in Java, PHP conducted to meet needs of advanced learners.
-

- Latest software tools are also offered to improve their employability. Continuous efforts are made by the faculty to nurture critical thinking among the students through various strategies.

NPTEL:

- We have an approved study centre for NPTEL. The course will provide a strong foundation for the students of various engineering disciplines. The lecture closely linked to the material covered in the TEXTBOOKS.
- The NPTEL certification courses like Design of internet of things, Estimation of wireless MIMO / SENSORS Networks and more offered in our department.

Academic Events:

- Various Events are conducted under each subject to get thorough knowledge about the core and essential part of the engineering subjects and also to enrich their experience in future emerging techniques.
- Students participate in events under every engineering subject that will be evaluated and assessed by the concerned subject handling staffs.
- These events mark taken into account the students' internal marks that become an added score to improve their internal marks under each subject.
- Some of the activities conducted under different themes are Simulation
- Hardware Implementation
- Designing the Circuits
- Problem Solving
- Technical Quiz
- Technical Seminar

Kings Portal:

- Provision of Software's like Students portal, where the faculty members can post notes on a lesson, question bank, university questions and answers, lab manuals, books, assignments.
- Student Web portal where all information and all services those students need found in one place. It provides one of the best ways for the use of the technology for the benefit of students.
- The primary objective behind the construction of this portal is to provide a single place to students from where they can do all the study related activities without login to different websites. In other words, to provide a single location for all kind of jobs.
- It is a web system that provides the functions and features to authenticate and identify the students. It provides them with a secure, intuitive, personalized and interactive web-interface for facilitating access to information which enhances and enrich the students' knowledge where they can post questions and get their responses and also can participate in group discussions relevant to the subject topics and clarify their doubts even with their peers.
- As it is framed same as social networking websites, it helps the students to create interest to access the portal.

- The students have to login to our portal with our authenticated credentials, once he has logged in, he can explore various engineering subjects along with its university questions with video references which makes the portal.
- The student's portal also provides some additional servers where students can mark the studied questions mark the essential issues, view only marked items etc.

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

159

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

- Internal assessment question papers are set by the academic group coordinators (not by course instructors)
- Answer booklets will be verified randomly by the head of the department.
- Group coordinators are insisted to set analytical type question papers.

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

-	-	-
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2.10 Average percentage of attendance of students

86

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
CSE	51	--	49.01	13.72	NA	62.74
ECE	57	1.75	42.10	38.59		82.45
IT	16	--	56.25	25.00		81.25
MECH	45	--	48.88	13.33		62.22

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

- The college has standard pedagogical practices. The course file in which the lesson plan, course outcomes, programme outcomes, course delivery details, list of resources developed, etc. are documented, serves as a record of all the academic activities.
- The course files are regularly monitored by the HODs. The effectiveness of the process is then assessed by the IQAC team.
- Year plan preparation helps to achieve the goals.
- Feedbacks were obtained from the students through structured questionnaires related to teaching learning process
- Individual faculty performance appraisal and self-evaluation by faculty is done with a view to assess the faculty effectively.
- Organizing of workshops, seminars, staff development activities to promote faculty.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	-
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	9
Staff training conducted by other institutions	10
Summer / Winter schools, Workshops, etc.	34
Others	--

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	12	-	-	-
Technical Staff	48	-	-	-

Criterion – III

3. Research, Consultancy and Extension

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

- All faculty are encouraged to present their innovative ideas, publish research papers in journals / conferences and the team helps and guides them in this initiative
- Project and Innovation lab created to enhance R&D activity.
- Improving quality of research through research methodology workshops and review of proposals by appropriate committees.
- Special leave and allowances to attend research workshops, to present research papers and to attend seminars/conferences.

3.2 Details regarding major projects

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

3.3 Details regarding minor projects

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

3.4 Details on research publications

	International	National	Others
Peer Review Journals	13	--	--
Non-Peer Review Journals	8	--	--
e-Journals	31	--	--
Conference proceedings	31	--	--

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

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

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects <i>(other than compulsory by the University)</i>	-	-	-	-
Any other(Specify)	-	-	-	-
Total	-	-	-	-

3.7 No. of books published i) With ISBN No.

Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

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

3.11 No. of conferences

Organized by the Institution

Level	International	National	State	University	College
Number	01	-	-	-	-
Sponsoring agencies	College Trust	-	-	-	-

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

3.13 No. of collaborations International National Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency From Management of University/College
 Total

3.16 No. of patents received this year

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
-	-	-	-	-	-	-

3.18 No. of faculty from the Institution

who are Ph. D. Guides
and students registered under them

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

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

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

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
NCC NSS Any other

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

NSS camp in villages
NSS Day
Blood Camp
Eye Camp

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	35.3 acres	-		35.3 acres
Class rooms	32	-		32
Laboratories	27	1	KEC	28
Seminar Halls	3	-		3
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	--	--	--	--
Value of the equipment purchased during the year (Rs. in Lakhs)	--	--	--	--
Others	--	--	--	--

4.2 Computerization of administration and library

- Increased volumes of text and reference books
- 24 Hours High Speed Internet facility
- Accounts Department used in Tally EPR-9 Software
- Wi-fi Facilities Available in college campus.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	26930	5386000	500	100600	27430	5486000
Reference Books	400	80000	23	4600	423	84600
e-Books	486	4890	30	320	516	5210
Journals	54	27500	6	3500	60	31000
e-Journals	169	439322	3	93496	172	532818
Digital Database	KINGSLMS					
CD & Video	811	16220	70	1400	881	17620
Others (specify)	--	--	--	--	--	--

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	510	450	10Mbps	20	--	10	25	5
Added	-	-	22Mbps	-	--	--	--	--
Total	510	450	32Mbps	20	--	10	25	5

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

IEEE ACCESS, Kings Web portal, NPTEL

4.6 Amount spent on maintenance in lakhs:

i) ICT

3.65

ii) Campus Infrastructure and facilities

21.25

iii) Equipments

6.85

iv) Others

6.46

Total:

38.21

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Student orientation programme is conducted at the beginning of every academic year. The programme disseminates information on the various Student Support Services available in the college.
- Student grievance-alleviation mechanisms like Anti-Ragging Committee are established in the college to support the students.
- Class committee meetings are conducted regularly to address the academic or other classroom activities of the students.
- Alumni meetings are conducted to guide the students in getting placed in top notch companies.
- Parents meetings are conducted by each department to get feedback from the parents.

5.2 Efforts made by the institution for tracking the progression

- The examination system has an inbuilt mechanism for monitoring the progression.
- Student performance is monitored through regular assessments.
- Student learning skill can be assessed by conducting academic events.
- Special classes are conducted according to the student's levels.
- Holistic student development is also ensured by monitoring co curricular and extra- curricular activities.
- Individual student counseling is assured through mentors who are allotted 20 students each. The mentors counsel their wards periodically and the information is recorded in the report
- The academic progress report and attendance of all the students are regularly informed to their parents via post.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
924	10	-	-

(b) No. of students outside the state

12

(c) No. of international students

--

	No	%		No	%
Men	557	60.28	Women	367	39.71

Last Year						This Year					
General	SC	ST	OBC	Physi- cally Chall- enged	Total	Gener- al	SC	ST	OBC	Physi- cally Chall- enged	Total
38	92	0	837		967	37	126	0	761	-	924

Demand ratio --- Dropout- 21

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

The department has organized coaching classes for students to take up competitive exams like GATE.

No. of students beneficiaries

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

- College has a mentoring system. Around 20 students are attached to each faculty and the faculty will provide focused counseling and guidance by interacting with the students at regular intervals.
- Exclusive career guidance classes are organized by the training and placement cell every year on regular basis.
- Students are given training on soft skills.
- They are also given training in the area of quantitative aptitude, logical reasoning and verbal reasoning. Mock interviews are conducted for the students to perform well in the job interviews. Panel members are invited from corporate sector and the alumni of the college.
- Students are given training on group discussion techniques.
- Online tests and written aptitude tests are also conducted.

No. of students benefitted

5.7 Details of campus placement

Number of Organizations Visited	<i>On campus</i>		<i>Off Campus</i>
	Number of Students Participated	Number of Students Placed	Number of Students Placed
46	132	118	3

5.8 Details of gender sensitization programmes

- Women's Day celebration 2018 was organized on March, 8th 2018. On the same day women's welfare awareness programme on **Women Security and Women Welfare** was organized. Dr.Kala Baskar, Director in charge of Centre for Cyber forensics and information security acted as guest speaker.

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

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

Sports: State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	239	68,22,500
Financial support from government	481	13612200
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: library facilities to be extended till 7.00pm have been addressed

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision:

The Vision of Kings Engineering College is to provide industry relevant technical education, motivate our technocrats to carry out skilful research, encourage innovation and thereby uplift our society through technology.

Mission:

- Provide high-quality technical education in the major engineering disciplines through a creative balance of academic, professional and extra-curricular programs.
- Prioritize quality teaching and adopt a variety of approaches and methods to draw upon current research and multiple theories of teaching and learning.
- Guide the students to earn secure careers and become a trendsetter globally.
- Sponsor and educate less privileged with quality technical education.

6.2 Does the Institution has a management Information System

- The MIS is widely implemented in the administration of the institution facilitating easy retrieval of the information regarding academics, examination, finance Department of the institution.
- The academic processes like the student attendance, internal marks, are computerized. User friendly software for the purpose of library management is in place facilitating the maintenance of records relating to the availability of books, books issue/return, etc.

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

6.3.1 Curriculum Development

Curricular gaps are identified in the curriculum and intimated to the University for reframing of syllabus.

6.3.2 Teaching and Learning

- All the faculty of the institution are encouraged to attend various programmes on pedagogy to update themselves in the contemporary and innovative methods of teaching. The widely used teaching and learning methods at the institution are lecture, group discussion, quiz, demonstration, case studies, tutorials, seminar, internship, projects, surveys, computer lab, simulation, field and factory visits, games and role play.
- Students are encouraged to take online courses offered by reputed institutes. In addition to classroom learning, aids like NPTEL, are also available for the students to facilitate learning.

6.3.3 Examination and Evaluation

- The exam cell coordinator organizes the internal Assessment Tests, the University Examination
- The question papers for the internal Assessment are set by the academic coordinators of the department.
- The question papers for the end semester examinations are set by the Anna University.
- The question papers of the internal Assessment are scrutinized by the Head of the department.
- Steps are taken to ensure that the question papers conform to the standards of the Bloom's Taxonomy.

- Evaluation of internal assessment is done based on the course outcomes to which it corresponds.
- The corrected answer scripts are distributed to students by the faculty as per the schedule and discuss the answers for the questions to students in the classroom.
- Marks are entered in the College database, Anna university web portal for future reference and also in counselling records to investigate their performance regularly

6.3.4 Research and Development

The institution provides extensive opportunities to the faculty and students for research and development. Research & Development Committee is formed to encourage and monitor the development activities in academic and sponsored research. The responsibilities of R & DC listed below.

- Motivate Staff & Student to involve in research activities.
- Motivate staff / Students for paper presentation, article writing & project work etc.
- Motivate staff to publish the research paper in International Conference / Journal
- Arrange lecture on Research methodologies to Staff / Students for creating research awareness

Apply for Seminar Grants from AICTE and take projects from research organization like DRDO, DST, CSIR, ISRO etc. in all departments with the guidance of HODs.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Library

- The central library of the college is a depository of a vast number of learning resources including textbooks, reference books, national and international journals, digital resources, online journals, etc., all of which are enriched every year and software for tracking resource availability and an automated system for book/journal transactions. Additionally, there are departmental libraries to provide easy and quick access of resources to students.

ICT:

- There are adequate ICT facilities in the institution and well established policies for their deployment and maintenance.
- Wi-Fi facilities and broad band internet facilities in the premises of the college and hostel are provided thereby ensuring free access to current industrial and technological trends.
- The institution deploys and employs ICTs for a range of activities like lecturing in every department.
- Keeping pace with the rapid advancements in technology and to benefit the students, the college has set up a portable/mounted LCD projector in all classrooms.
- All the computer labs, multimedia language lab and science labs provide opportunities for hands-on training in ICT modules.

Physical Infrastructure / Instrumentation:

- Project and innovation labs in the department
- Digital library
- Adequate numbers of fire extinguishers at vantage points are kept and the staff and students are trained to handle it.

6.3.6 Human Resource Management

The heads of the departments communicate a requisition to the management through the principal of the institution as and when vacancies arise in the department. The management advertises and follows a systematic procedure in recruiting teaching and non-teaching staff. Orientation and training programmes are organized periodically for the recruits. Faculty development programmes, workshops, conferences, industrial visits,

seminars, etc. are organized and the faculties are encouraged to participate in similar programmes organized by other institutions, industries, etc.

6.3.7 Faculty and Staff recruitment

- Through advertisement in newspaper and websites
- Conduct of interview by selection process

6.3.8 Industry Interaction / Collaboration

- Signing of MOUs with industries for research projects, consultancy, placement, internship and interactive sessions like seminars, and workshops take place.
- Mutually-beneficial activities (based on the MOUs) are organized in every department for every semester.

6.3.9 Admission of Students

Merit based on marks scored in the higher secondary examination

6.4 Welfare schemes for

Teaching	--
Non teaching	--
Students	Scholarships

6.5 Total corpus fund generated

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	Committee
Administrative			Yes	Committee

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

- Guest lecturers by experienced alumni are organized for students.
- Skill-based training to students to meet industry needs is conducted.
- Mock interviews are conducted for the final year students through the association.

6.12 Activities and support from the Parent – Teacher Association

- The goal of parents-teacher meeting is to bring together the interests of parents and the college to support student progression.
- Each department organizes parents-teachers meeting periodically and provides an opportunity for parents to discuss the academic performance of their wards with the faculty concerned. The departmental activities are presented to the parents.
- Student performance is informed periodically to the parents through post service.
- Faculty advisors take the responsibility of individual student's performance and periodically update it to parents.

6.13 Development programmes for support staff

- Provided Software Demo Classes for support staff

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

- The institution has a green environment with several trees to maintain the ecology of the place.
- The bulbs with higher voltage are replaced with LED bulbs.
- Rain water harvesting is adopted in the college and hostel.

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.

- Students are provided with opportunities to learn through lecture sessions by experts in different fields through NPTEL.
- Lectures, assignments, videos, animation and quizzes are uploaded for students in kings portal.

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

Plan of action	Achievements
Conduct a national conference, seminars and guest lectures	International conference: 1 Seminar – 10 Guest Lecture -7
Conduct academic audits	Continuous monitoring of teaching learning process. Institute industrial interaction.
Monitor student performance and counsel each student individually	In addition to regular counselling of students, special counselling sessions along with parents were conducted for slow learners and poor performers in internal tests and exams.

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

Special Courses
Online certification courses like NPTEL

7.4 Contribution to environmental awareness / protection

- Dense plantation and landscaping on the campus
- Hazardous waste managed safely
- Eco-friendly papers used for documentation
- Segregation of waste at source.
- Awareness to the staff and students on environment cleanliness

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

- Dispensing quality education to economically poor students.

Weakness

- No Research activities.

Opportunity

- Bridge between curricular & special courses

Challenges


- Creating a balance between academic, research and extension activities.

8. Plans of institution for next year

- Planning to establish R&D Lab
- Funding Proposals under R&D
- Planning for new course in UG programme

Name B. Anitha Vijayalakshmi

Name _____





Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

*** **Dr. A.V. MAYAKKANNAN, M.E., Ph.D.**
Principal

Kings Engineering College,
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ANNEXURE – I

Academic Calendar

KINGS ENGINEERING COLLEGE														
III, V & VII SEMESTER ACADEMIC SCHEDULE : JUNE 2017 TO OCTOBER 2017														
June			July			August			September			October		
Date	Day	Event	Date	Day	Event	Date	Day	Event	Date	Day	Event	Date	Day	Event
1	Thu		1	Sat	Holiday	1	Tue	RegularClass-33	1	Fri	RegularClass-54	1	Sun	Holiday
2	Fri		2	Sun	Holiday	2	Wed	RegularClass-34	2	Sat	RegularClass-55	2	Mon	Gandhi Jayanti
3	Sat		3	Mon	RegularClass-44	3	Thu	RegularClass-35	3	Sun	Holiday	3	Tue	RegularClass-76
4	Sun		4	Tue	RegularClass-42	4	Fri	RegularClass-36	4	Mon	RegularClass-56	4	Wed	RegularClass-77
5	Mon		5	Wed	RegularClass-43	5	Sat	Holiday	5	Tue	RegularClass-57	5	Thu	Academic Exam - II
6	Tue		6	Thu	RegularClass-44	6	Sun	Holiday	6	Wed	RegularClass-58	6	Fri	Academic Exam - II
7	Wed		7	Fri	RegularClass-45	7	Mon	RegularClass-37	7	Thu	Academic Exam - I	7	Sat	Academic Exam - II
8	Thu		8	Sat	Holiday	8	Tue	RegularClass-38	8	Fri	Academic Exam - I	8	Sun	Holiday
9	Fri		9	Sun	Holiday	9	Wed	RegularClass-39	9	Sat	Academic Exam - I	9	Mon	MODEL EXAM - III
10	Sat		10	Mon	RegularClass-46	10	Thu	RegularClass-40	10	Sun	Holiday	10	Tue	MODEL EXAM - III
11	Sun		11	Tue	RegularClass-47	11	Fri	RegularClass-41	11	Mon	MODEL EXAM - II	11	Wed	MODEL EXAM - III
12	Mon		12	Wed	RegularClass-48	12	Sat	Holiday	12	Tue	MODEL EXAM - II	12	Thu	MODEL EXAM - III
13	Tue		13	Thu	RegularClass-49	13	Sun	Holiday	13	Wed	MODEL EXAM - II	13	Fri	MODEL EXAM - III
14	Wed		14	Fri	RegularClass-21	14	Mon	RegularClass-42	14	Thu	MODEL EXAM - II	14	Sat	MODEL EXAM - III
15	Thu		15	Sat	Holiday	15	Tue	Independence Day	15	Fri	MODEL EXAM - II	15	Sun	Holiday
16	Fri		16	Sun	Holiday	16	Wed	RegularClass-43	16	Sat	MODEL EXAM - II	16	Mon	
17	Sat		17	Mon	RegularClass-24	17	Thu	RegularClass-44	17	Sun	Holiday	17	Tue	
18	Sun		18	Tue	RegularClass-22	18	Fri	RegularClass-45	18	Mon	RegularClass-51	18	Wed	Deepavali
19	Mon	Re-opening Day	19	Wed	Academic Exam - I	19	Sat	Holiday	19	Tue	RegularClass-63	19	Thu	
20	Tue	RegularClass-2	20	Thu	Academic Exam - I	20	Sun	Holiday	20	Wed	RegularClass-71	20	Fri	
21	Wed	RegularClass-3	21	Fri	Academic Exam - I	21	Mon	RegularClass-46	21	Thu	RegularClass-74	21	Sat	
22	Thu	RegularClass-4	22	Sat	Holiday	22	Tue	RegularClass-47	22	Fri	RegularClass-72	22	Sun	Holiday
23	Fri	RegularClass-5	23	Sun	Holiday	23	Wed	RegularClass-48	23	Sat	RegularClass-73	23	Mon	
24	Sat	Holiday	24	Mon	MODEL EXAM - I	24	Thu	RegularClass-49	24	Sun	Holiday	24	Tue	
25	Sun	Holiday	25	Tue	MODEL EXAM - I	25	Fri	Magyar Chalkool	25	Mon	RegularClass-74	25	Wed	
26	Mon	RegularClass-6	26	Wed	MODEL EXAM - I	26	Sat	Holiday	26	Tue	RegularClass-75	26	Thu	
27	Tue	RegularClass-7	27	Thu	MODEL EXAM - I	27	Sun	Holiday	27	Wed	RegularClass-76	27	Fri	
28	Wed	RegularClass-8	28	Fri	MODEL EXAM - I	28	Mon	RegularClass-58	28	Thu	RegularClass-77	28	Sat	
29	Thu	RegularClass-9	29	Sat	MODEL EXAM - I	29	Tue	RegularClass-54	29	Fri	Pongal Holiday	29	Sun	Holiday
30	Fri	RegularClass-10	30	Sun	Holiday	30	Wed	RegularClass-52	30	Sat	Pongal Holiday	30	Mon	
			31	Mon	RegularClass-32	31	Thu	RegularClass-53				31	Tue	

PRINCIPAL

ANNEXURE – II

FEED BACK ANALYSIS

SECOND YEAR-THIRD SEMESTER ATTAINMENT LEVEL							
S.NO	QUESTIONS	SS	DE	ECI	TPDE	EE	DS
1	Punctuality with regularity in taking the classes	91.2	92.8	91.2	91.2	87.2	91.2
2	Attitude and presentation in the class	87.2	86.4	87.2	92.8	90.4	87.2
3	Preparation for the classes	90.4	87.2	90.4	86.4	90.4	90.4
4	Coverage of the syllabus.	90.4	88	90.4	87.2	92	90.4
5	Inspiration or encouragement to students towards subject improvements.	92	91.2	92	88	91.2	92
6	Clearing doubts inside/outside the class	91.2	87.2	91.2	91.2	92.8	86.4
7	Explanation with respect to the practical aspect of the subject	92.8	90.4	92.8	87.2	86.4	87.2
8	Discussion on test questions	86.4	90.4	86.4	90.4	87.2	91.2
9	Valuation and return of answer scripts in reasonable time	87.2	92	87.2	90.4	88	92.8
10	General relationship with the students	88	91.2	88	92	91.2	88

