



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		KINGS ENGINEERING COLLEGE
Name of the head of the Institution		T JOHN ORAL BHASKAR
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		044-71224402
Mobile no.		9444047238
Registered Email		principal@kingsedu.ac.in
Alternate Email		info@kingsedu.ac.in
Address		Opposite Hyundai Motors, Irungattukotaai.
City/Town		CHENNAI
State/UT		Tamil Nadu
Pincode		602117

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr.D.C.Jullie Josephine
Phone no/Alternate Phone no.	04471224421
Mobile no.	9442316725
Registered Email	iqac@kingsedu.ac.in
Alternate Email	principal@kingsedu.ac.in

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://www.kingsedu.ac.in
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://kingsedu.ac.in/academics18-19.php

5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B+	2.56	2017	22-Feb-2017	22-Feb-2022

6. Date of Establishment of IQAC	02-Aug-2016
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
ertificate course on Data Science by Vee Eee	11-Jun-2018 5	75

Technologies Solution		
Certificate course on Integrated development with ARDUINO Platform by Averzs Technologies	11-Jun-2018 5	100
ertificate course on Raspberry Pi by Vee Eee Technologies Solution Pvt. Ltd.	19-Nov-2018 5	50
Women's Awareness and Health care Programme on	08-Mar-2019 1	350
Guest Lecture on	28-Jan-2019 1	60
Six days Awareness Programme on Recent Trends	25-Sep-2019 6	50
Six days FDTP on Embedded & IOT	25-May-2019 6	50
Entrepreneurship Awareness Camp	26-Sep-2019 3	60
One Day NAAC Awareness Training Programme for NAAC Coordinator	05-Oct-2019 1	20
nternational Conference on Innovations and Challenges in Engineering and Technology (I	12-Apr-2019 1	250
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
ECE	EDC	hirdware Technologies, DLF, Chennai	2019 80	150000
ECE	EDC	hirdware Technologies, DLF, Chennai	2018 80	182000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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10. Number of IQAC meetings held during the year :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)
New courses were added to the ADD on course. 3.Spoken tutorials and online certificate courses 4.company specific placement training.
Skill-based Education imparting specific skills to students as per industry needs.
Spoken tutorials and online certificate courses
Company-specific placement training.
FDTP conducted for faculty members on recent technologies.

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
f. Increasing Alumni Interaction and participation.	achieved
e. Inculcating the values of social commitment, and environmental consciousness by conducting social outreach activities.increasing network infrastructure	achieved
d.Enhancing the Research and Development Activities and creating Centers of Excellence	achieved
c.Emphasize on Institute - Industry interaction and partnership	acheived
b.Enriching the quality of Teaching and Learning.	achieved
a.Developing physical infrastructure	achieved
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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1"> <tr> <td>Name of Statutory Body</td> <td>Meeting Date</td> </tr> <tr> <td>Governing council</td> <td>11-Jul-2019</td> </tr> </table>		Name of Statutory Body	Meeting Date	Governing council	11-Jul-2019
Name of Statutory Body	Meeting Date				
Governing council	11-Jul-2019				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2018				
Date of Submission	07-Mar-2018				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	A Management Information System (MIS) is a computer system consisting of hardware and software that serves as the backbone of an organization's operation. Learning materials prepared by subject handling faculty members is verified by the HOD and is uploaded in the Kings portal regularly for student's reference. Each student has a unique login and students can avail of the softcopy of the study material through the internet. Enterprise resource planning software was developed and students can log in through the webpage. The students can gather information about their result, fees dues, etc. Students can pay through online.				

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process (10) • The Kings Engineering College (KEC) is affiliated to Anna University and the curriculum and syllabi prescribed by the University are strictly followed by our institution. Apart from the prescribed curriculum, Our Institution has manoeuvred ways to strengthen the teaching-learning process through a well planned documented process. • Outcome Based

Education (OBE) is followed by defined Vision, Mission, Course Outcome (CO), Program Outcome (PO) and Program Specific Outcome (PSO). • The Institutional Academic Calendar for each semester is prepared in accordance with the academic schedule issued by Anna University. • In each semester subject allocation to the Faculty members is done by getting their preference of subject expertise and performance in previous years. • In each programme senior faculty is nominated as Group Coordinator based on subject expertise and they will ensure the effective curriculum delivery. • Timetable will be prepared including hours for library, tutorial, value added course, training etc. • Course study materials such as lecture notes, question bank, lab manuals are prepared by the respective faculty members focusing on OBE and Bloom's Taxonomy. The materials are uploaded in the "Kings portal" for student's reference. Assignments are given beyond Syllabus topics. Hard copies of question bank and lab manuals are also provided to the students. • Maintaining course files by all the faculty members includes lesson plan, notes of lesson, question bank and performance details of the students. • Our faculty members periodically monitor the quality of course delivery by getting feedback from the students through Class Committee Meeting (CCM) and online feedback system. Necessary Actions are taken based on the analysis of the feedback. • A separate forum is created by IQAC to collect suggestions from student representative and will be reported to Academic council for further improvement in curriculum delivery • Our faculty members adopt Innovative teaching techniques such as web related assignments, peer learning, group discussion, NPTEL lectures, case studies, mini projects, quiz etc., • Our teaching Faculties are assigned with atask of mentoring 15 students related to academic and personal issues to strengthen the bonding between teachers and students which leads a better learning atmosphere and also to withstand their performance. • Internal Assessment Test (IAT) is conducted by the internal exam cell of each department and the papers are evaluated by the respective faculty members. The performance of students is reported to parents by Progress Report through post. • To supplement the curricular gaps we organize guest lectures by eminent industry personnel and also conduct industrial visits, workshops, refresher course, seminars to improve the effectiveness of implementation of the curriculum specified by Anna University. • Based on the performance in the university exams and IAT, slow learners and advanced learners are identified and remedial coaching classes are organized for slow learners. Advanced learners are motivated for research work etc.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Machine Learning program	-	17/07/2018	10	Employabil ity	Technical
Deep learning	-	12/02/2019	5	Employabil ity	Technical
BEC Certified Basic English Language Course -	-	18/06/2018	30	Employabil ity	Technical
Eyantra Certified Course on Robotics and	-	05/01/2019	7	Employabil ity	Technical

Embedded Systems						
Python programming	-	17/07/2018	10	Employability	Technical	
PHP MySQL	--	16/02/2019	5	Employability	Technical	
cryptology	-	11/09/2018	3	Employability	Technical	
LINUX	-	22/01/2019	3	Employability	Technical	
C,C Spoken Tutorial	-	08/06/2018	30	Employability	Technical	
Java Spoken Tutorial	-	18/06/2018	30	Employability	Technical	
NET	-	11/09/2018	3	Employability	Technical	

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	CSE	01/06/2018
BE	ECE	01/06/2018
BE	IT	01/06/2018
BE	Mech	01/06/2018
ME	CSE	01/06/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	742	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
BEC	18/07/2018	124
Aptitude training Programme	08/08/2018	226
Placement Training	19/07/2018	168
Soft skill Training	08/08/2018	226
Entrepreneurship	26/09/2018	104

awareness Programme		
web development	02/07/2018	226
Auto CAD	02/07/2018	54
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	CSE	3
BE	CSE	2
BE	CSE	3
BE	ECE	4
BE	ECE	3
BE	ECE	1
BTech	IT	3
BTech	IT	2
BTech	IT	2
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>The Institution collects feedback physically as well as through online on Design and Curriculum aspects from different stakeholders such as the Students, Alumni, Faculty, Parent Employers. A periodical analysis is made by the Program Coordination Committee. The college conducts an annual Alumni Meet, in which suggestions and feedback is received from Alumni students. The provided feedback data is presented to the Academic Council Meeting for necessary implementation for enhancement. Alumni surveys are taken during alumni interaction at the alumni association meeting and on Convocation day. The Feedbacks are collected and analyzed, the report is generated by the Program Coordination Committee. The action taken is analyzed by the IQAC and the report is submitted to the Academic Council for further action.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled

ME	CSE	18	12	10
BE	MECH	60	37	33
BTech	IT	60	26	22
BE	ECE	120	37	25
BE	CSE	120	58	50
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	734	10	93	3	96

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
96	96	3	24	4	4
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The Institute strives to enhance the culture to serve better to the needs of an ever-changing and dynamic learning community. Active mentoring begins with the faculty. To attain academic success and persistence, a healthy relationship between faculty and students practised. Type of Mentoring: All-round development (Personal, Academic and Career). The Institute strives to enhance the culture to serve better to the needs of an ever-changing and dynamic learning community. Active mentoring begins with the faculty. To attain academic success and persistence, a healthy relationship between faculty and students practised. Type of Mentoring: All-round development (Personal, Academic and Career). No. of Faculty Mentors: All teaching faculties No. of Students per Mentor: 15-20 approximately. Frequency of Meeting: Three times in a semester Faculty members in the department will act as the mentor for a group of students assigned to them. Mentors will monitor their progress and report to the Academic Council. A counselling file maintained by the mentor where all the details of their students recorded and continued until the student completes his/her graduation. The counselling file supported by each mentor has features like Personal information, Academic performance, Attendance record, Internship and Industrial training, Co-curricular and Extra-curricular activities, Awards and prizes and Counselling remarks. During the counselling session, students will represent their personal, academic difficulties which they are facing from time to time and the mentor will help the students to overcome their challenges by suggesting suitable remedies. If the problem seems to be tough, then the students will be addressed by the Academic council along with their mentor. Information about the progress and challenges of their students will be intimated to the respective parents periodically through phone call/SMS/post. No. of Faculty Mentors: All teaching faculties

The Institute strives to enhance the culture to serve better to the needs of an ever-changing and dynamic learning community. Active mentoring begins with the faculty. To attain academic success and persistence, a healthy relationship between faculty and students practised. Type of Mentoring: All-round development (Personal, Academic and Career). No. of Faculty Mentors: All teaching faculties No. of Students per Mentor: 15-20 approximately. Frequency of Meeting: Three times in a semester Faculty members in the department will act as the mentor for a group of students assigned to them. Mentors will monitor their progress and report to the Academic Council. A counselling file maintained by the mentor where all the details of their students recorded

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Information about the progress and challenges of their students

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
744	96	1:16

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
84	96	Nil	96	15

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Mrs.A.R.Venmathi	Professor	Best Research Paper Award
2019	Dr.Leonard Gibson Moses.S	Assistant Professor	Best Research Paper Award
2019	Dr.D.C.Jullie Josephine	Professor	Distinguished HOD, V3TechServDelivery
2019	Mrs.Nafeena.R	Assistant Professor	Best Innovative Project Award
2019	Mrs.B.Anitha Vijayalakshmi	Assistant Professor	Teaching Award in Engineering
2019	Mrs.A.Aruna	Assistant Professor	Topper Award (Gold)
2019	Mrs.Kavitha.V	Assistant Professor	Best Research Paper Award
2019	Mrs.Paul T Sheeba	Assistant Professor	IARDO award for the best teacher
2019	Mrs.D.Sterlin Rani	Assistant Professor	Best Placement Organisor
2019	Dr.Kanagaraaju T	Professor	Best Paper Award

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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-	Date of declaration of results of semester-
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			end examination	end/ year- end examination
BE	104	ODD 2018	28/11/2018	13/03/2019
BE	104	EVEN 2019	22/05/2019	22/06/2019
BE	106	ODD 2018	28/11/2018	13/03/2019
BE	106	EVEN 2019	22/05/2019	22/06/2019
BE	114	ODD 2018	28/11/2018	13/03/2019
BE	114	EVEN 2019	22/05/2019	22/06/2019
BTech	205	ODD 2018	28/11/2018	13/03/2019
BTech	205	EVEN 2019	22/05/2019	22/06/2019
ME	405	ODD 2018	28/11/2018	13/03/2019
ME	405	EVEN 2019	22/05/2019	22/06/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

? The Institution has an exclusive Exam Cell comprising members from all departments to conduct internal Assessment and Anna University Examinations. Students are assessed by their performance in Internal Assessment Examination and Anna University Examinations. ? Faculty members prepare question bank including important questions for all units. ? Under the guidance of HOD department Internal Exam Coordinator checks the standard of the question bank. ? The internal Exam Coordinator of each Department ensures smooth conduct of exams and proper evaluation of scripts. ? The evaluated answer scripts are distributed to the students within 2 days after the completion Examination. ? The marks secured in the Internal Assessment Examinations are entered in the university Web portal through exam cell. ? Internal evaluation of laboratory is based on effective completion of experiment, observation, record and viva voce. ? Project review committee assess the project work. Regular reviews are conducted in different phases and the performance of the students are analysed. The aggregate marks obtained in all the reviews are considered to allot final internal marks.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The Institution has an exclusive exam cell with members from each Department for the conduct of all the internal and End Semester Examinations. Students are evaluated by their performance in internal assessment examination and End Semester Examination. ? The subject handling Faculty prepares the question bank that covers important questions and university-based questions from each unit in all the topics. ? Accordingly, the subject handling Faculty prepares two sets of question papers and submits to the exam cell. ? The College Exam cell Coordinator along with a team select any one set of the question paper for each subject. ? Question papers are given to the Internal Exam Coordinators of the Department on the day of the test, after approval from the Principal. ? The internal Exam Coordinator from each Department ensures smooth conduct of exam and proper valuation of internal booklets. ? The evaluated answer scripts are corrected and distributed to the students within 2 days after the examination. ? The marks secured in the Model Examinations are entered in the Exam Cell to calculate the internal assessment marks for the students. ? In labs, internal evaluation is based on the observation, effective completion of the experiment, record, and viva-voce on each experiment. ? The project review committee assesses the project work. By regular reviews conducted in different phases for the project, the performance of the students is analyzed. The aggregate of all

the marks obtained in reviews is considered to allot the final internal marks of each student.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

http://www.kingsedu.ac.in/department/co_po.html

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
405	ME	CSE	3	3	100
114	BE	MECH	55	47	85.45
205	BTech	IT	13	13	100
106	BE	ECE	48	41	84.33
104	BE	CSE	47	40	85.1

[View File](#)

2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.kingsedu.ac.in/feednack/sss.html>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Any Other (Specify)	180	Entrepreneurs hip Development Institute of India (EDII), Ahmedabad	20000	20000
Major Projects	90	Pantech prolab India Ltd	13000	13000
Major Projects	180	SM MICRRO System	23450	23450
Minor Projects	10	RAM INTELLIGENCE AND SOLUTIONS	5000	5000
Minor Projects	90	DELPHI - TVS	17000	17000
Major Projects	90	Exide Industries Limited	16000	16000

Minor Projects	90	SM MICRRO System	15000	15000
Major Projects	180	AVERZS Technologies	23400	23400
Students Research Projects (Other than compulsory by the University)	180	Mr. Sathish Menon, Co-founder of Thirdware Technologies, DLF, Chennai	182000	182000
Students Research Projects (Other than compulsory by the University)	180	Mr. Sathish Menon, Co-founder of Thirdware Technologies, DLF, Chennai	150000	150000
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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
One day Workshop on Art of Writing Funding Proposals and Research Articles	CSE ECE IT MECH	17/11/2018
World Intellectual Property Rights Organization- Introduction to the Patent Cooperation Treaty	CSE ECE IT MECH	24/10/2018
Seminar on Industrial Internet of Things	CSE IT	27/08/2018
Workshop on Embedded and IoT	ECE	22/08/2018
Workshop on machine learning and Artificial Intelligence	CSE IT	13/08/2018
Seminar on Machine Learning using Python	CSE IT	24/08/2018
Technical talk on Block Chain Technology	CSE IT	14/07/2018
Technical Talk on Data Analytics (CSE)	CSE	08/08/2018
ROBOTIKINGS	ECE	23/03/2019
One day workshop on Optimization technique	CSE IT ECE	16/08/2018
Go Karting Championship	MECH	11/01/2019
Technical Talk on Fundamentals of Analog	ECE	19/02/2019

VLSI Design		
Technical Talk on Industrial Drives Controls	ECE	18/06/2018
Technical talk on latest trends in Industrial Metrology Applications	MECH	11/06/2018
Guest Lecture on Digital Signal Processing	ECE	11/06/2018
Workshop on IoT	CSE IT	09/09/2019
Technical Talk on PLC SCADA	ECE	07/08/2018

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Best research paper award	M. Parameswari	International conference on Innovations and research in Marine electrical and Electronics Engineering (ICIRIMEEE 2018)	29/11/2019	Best research paper award
Best Research Paper Award	Leonard Gibson Moses.S	International Journal of Advanced Research in Basic Engineering Sciences and Technology (IJARBEST)	12/02/2018	Best Research Paper Award
Teaching Award in Engineering	B.Anitha Vijayalakshmi	STAFFORDSHIRE UNIVERSITY UK AND EDUCATION MATTERS	12/06/2018	Teaching Award in Engineering
Best Research Paper Award	Kavitha.V	Suraj Punj Journal for Multidisciplinary Research	13/02/2019	Best Research Paper Award
Best Counsellor	Mrs.J.Jinu Sophia	BrainSwig Edutech pvt ltd, (Approved by ministry of corporation affairs)	02/05/2018	Best Counsellor
Distinguished HOD	Dr.D.C.Jullie Josephine	V3TechServDelivery Partner of HPE	24/04/2018	Distinguished HOD
Best	Mrs.D.Sterlin	Wisetech	13/03/2018	Best

Placement Organisor	Rani	source private limited chennai		Placement Organisor
Women Achiever Award	Mrs.T.C.Vidhya	Hindustan Lever Ltd	16/04/2018	Women Achiever Award
Best counsellor award	Paul. T. Sheeba	V3TechServDelivery partner of HPE	14/09/2018	Best counsellor award
Best Placement Organizer	Shalini	Wisetech Source Pvt Ltd	15/06/2018	Best Placement Organizer
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
1	Project Innovation	Vinbytes pvt ltd	Data Science center	private	01/06/2018
1	Project innovation	Embeddvare technology ,chennai	IOT	private	01/12/2019
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
00	00	00

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
CSE	6
ECE	6
IT	3
MECH	2

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CSE	1	2
International	ECE	2	2
International	IT	4	2
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
CSE, ECE, IT, MECH	215
View File	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
REAL TIME BRAIN COMPUTER INTERFACE SYSTEM	M. Parameswari,	International Journal of Recent Technology and Engineering	2019	0	00	Nil
Fast Image Segmentation Algorithm and Data Mining Techniques to Predict Lung Tumors from Lung CT Images	B.Muthazhagan	International Journal of Recent Technology and Engineering (IJRTE)	2018	0	00	Nil
EXTENSIBLE NETWORK LIFETIME USING RELAY SELECTION SCHEME ON WIDE AREA WIRELESS SENSOR NETWORKS	M. Parameswari,	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2019	0	00	Nil
THE PERFORMANCE IMPROVEMENT USING CEMR PROTOCOL IN THE WIRELESS SENSOR NETWORK	M. Parameswari,	International Journal of Recent Technology and Engineering	2018	0	00	Nil
EFFICIENT ENERGY MANAGEMENT APPROACH FOR TRACKING LOCATION IN	M. Parameswari,	EAI Endorsed Transactions on Energy web and information technologies (Scopus)	2019	0	00	Nil

WIRELESS SENSOR NETWORKS						
Up-and-Coming Li-Fi technology under Visible Light Communication To transfer the data among multiple users in train	B.Anitha Vijayalaks hmi, K. Ramkumar , A.Aruna	International Journal of Pure and Applied Mathematics Volume 119 No. 16 2018, 1587-1598	2018	0	00	Nil
Lossless Image Compression for Low Memory Using Dynamic Partial Reconfiguration in Asynchronous FPGA	Mrs.S.Lekshmi,	Journal of Advanced Research in Dynamical Control Systems	2019	0	00	Nil
Inferring the Products Realistic Feature Through Data From Users Views In Socialmedia	Gracia Nissi S.	International Journal of Recent Technology and Engineering (IJRTE)	2019	0	00	Nil
View File						

3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Lossless Image Compression for Low Memory Using Dynamic Partial Re	Mrs.S.Lekshmi,	Journal of Advanced Research in Dynamical Control Systems	2019	1	1	00

configuration in Asynchronous FPGA						
Transferring the Products Realistic Feature Through Data From Users Views In Socialmedia	Gracia Nissi S.	International Journal of Recent Technology and Engineering (IJRTE)	2018	1	1	00
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nil	Nil	Nil	42
View File				

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Global Handwashing Day	NSS-Kings Engineering College	2	200
Plastic Eradication Rally	NSS-Kings Engineering College	2	200
Tobacco Rally	NSS-Kings Engineering College	2	250
Voters Day Rally	NSS-Kings Engineering College	3	250
Roads Safety	NSS-Kings Engineering College	4	150
Womens day	STEAM-KEC -Womens Empowerment Cell	10	400
Blood donation camp	Children hospital Egmore-NSS	5	50
Tree Plantation	Pennalur	3	50
ICT programme	NSS -Kings Engineering College	5	50
induction Day	NSS-Kings Engineering College	2	50
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
International English Language Assessments	International Institute Award	QAI Authenticating Learning, UK-GETS Higher	100
View File			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
NSS	Anna University	Swachh Bharat	2	200
NSS	Anna University	World Water Day	3	150
NSS	Anna University	WORLD FOREST DAY	4	200
NSS	Kings Engineering college	Eye camp	2	50
NSS	Kings Engineering college	Food Day	3	200
NSS	Kings Engineering college	Sports Day	2	50
NSS	Kings Engineering college	Food Safety awareness	2	50
View File				

3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Internship	9	Madras Academy of skill and knowledge, No:23 Rajaji Road, West Tambaram, Chennai-45	2
Internship	1	KAASHIV INFO TECH	5
Internship	1	Wise tech source Pvt.Ltd.	1
Internship	1	Infogro Technologies	2
View File			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
INTERNSHIP, Special course seINTERNSHIP, Special course	INTERNSHIP, Special course	DLK TECHNOLOGIES PVT LTD	12/11/2018	12/11/2019	120
Industrial Visit Industrial Visit	Industrial Visit	Sansbound Solutions, Chennai	11/08/2018	11/08/2019	70
Inplant training, Guest Lecturer, Special course	Inplant training, Guest Lecturer, Special course	V3TechServ Delivery Partner of HPE	08/06/2018	10/06/2019	160
FDP	FDP	Pantech Prolabs India Pvt. Ltd.,	05/10/2018	05/10/2019	60
Guest Lecture	Guest Lecture	Blueball Technologies	26/07/2018	26/07/2019	60
Seminar	seminar	Asictron Control System	11/09/2018	30/09/2019	60
workshop	workshop	Ajlon Technologies	05/12/2018	05/12/2019	60
Funding	funding	SM Micro Systems	24/12/2018	31/12/2019	45
Funding Agency	Funding Agency	New Tech pri.ltd, Chennai	23/10/2018	23/10/2019	20
seminar	seminar	GRIFFIN EDUCATION PRIVATE LIMITED	11/01/2019	01/12/2019	100

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
DLK TECHNOLOGIES PVT LTD	12/11/2018	INTERNSHIP, Special course	120
V3TechServ	08/06/2019	nplant training,	160

Delivery Partner of HPE		Guest Lecturer, Special course	
Pantech Prolabs India Pvt. Ltd.,	05/10/2018	FDP	60
Sansbound Solutions	11/08/2018	Industrial Visit	70
GRIFFIN EDUCATION PRIVATE LIMITED	11/01/2019	Seminar	100
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
4500000	4545254

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Newly Added
Laboratories	Newly Added
Seminar Halls	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Newly Added
Video Centre	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
View File	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Autolib	Fully	8.1	2019

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	27000	10800000	400	168000	27400	10968000
e-Journals	183	544965	963	457327	1146	1002292

Others(s pecify)	875	43750	110	5500	985	49250
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
all faculty	Kings Portal	Java	01/06/2018
all faculty	ICT	google classroom	01/03/2019
View File			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	450	11	0	1	0	12	20	32	0
Added	100	0	0	0	1	0	0	68	0
Total	550	11	0	1	1	12	20	100	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
kings students portal	http://www.kingsedu.ac.in:8000/#!/login
Shodhaganga	https://shodhganga.inflibnet.ac.in/

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
2400000	2454869	2100000	2154254

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

<p>The college has appointed technical person for maintaining infrastructure in terms of building maintenance, transport, furniture and generator operator in case of power failure. The separate complaint registers are maintained for services like electrical, plumbing, housekeeping etc. The maintenance staff will report the breakage of instruments and devices to the higher authority.</p> <p style="text-align: center;">http://www.kingsedu.ac.in</p>
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CRITERION V – STUDENT SUPPORT AND PROGRESSION**5.1 – Student Support**

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Meritorious Scholarship	578	19416250
Financial Support from Other Sources			
a) National	Post Metric Scholarship, BC/MBC Scholarship, Minority Scholarship	833	21804925
b) International	NIL	Nil	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Guidance for competitive examinations	01/01/2019	374	King Makers IAS Academy, IMPEL overseas
Career counselling	01/01/2019	561	Jamboree, Infosys Ltd, SI UK Educational council
Soft skill development	01/01/2019	229	KEC FACULTY, T.Sruthika Anna University
Remedial coaching,	01/01/2019	107	KEC FACULTY
Language lab,	01/01/2019	246	BEC GETS
Bridge courses,	01/01/2019	140	KEC FACULTY
Yoga, Meditation	01/01/2019	156	KECPD
Personal Counselling and Mentoring	01/01/2019	742	KEC FACULTY
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Guidance for	374	374	Nil	126

	competitive examinations and Career counselling				
2018	Guidance for competitive examinations and Career counselling	300	300	Nil	126
No file uploaded.					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
1	1	30

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Whirldata Labs, Doodle Blue Innovations, L-Cube Innovations, TC S4W Technologies, Gboxz, BYJU'S, Geeky Antz, Infant Engineers, HCL (Mech), Shias h Info Soluti	2659	121	TCS, Infosys, Incrom	140	5
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	KEC	CSE	V.V. COLLEGE OF ENGG	M.E. (CSE)
2019	2	KEC	CSE	A.I.M.A	MBA
2019	6	KEC	CSE IT	KEC	M.E{CSE}
2019	4	KEC	ECE	MADHA ENGINEERING COLLEGE	M.E (COMMUNICATION)

2019	1	KEC	ECE	COLLEGE OF ENGINEERING, ANNA UNIVERSITY	M.E (VLSI DESIGN)
2019	1	KEC	ECE	SRM UNIVERSITY	M.B.A
2019	1	KEC	ECE	ST.JOSEPH COLLEGE OF ENGINEERING	M.E (APPLIED ELECTRONICS)

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
NET	Nil
SET	Nil
SLET	Nil
GATE	Nil
GMAT	Nil
CAT	Nil
GRE	Nil
TOFEL	Nil
Civil Services	Nil
Any Other	Nil

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Badminton For Boys Nil	Institution Level	24
Volleyball Nil	Institution Level	32
Tennicoit Nil	Institution Level	16
Kho-Kho Nil	Institution Level	36
100m Running For Boys Nil	Institution Level	10
200m Running For Boys Nil	Institution Level	12
400 M Running For Boys Nil	Institution Level	8
Kabaddi For Boys Nil	Institution Level	24

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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for	Number of awards for	Student ID number	Name of the student
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Sports

Cultural

No Data Entered/Not Applicable !!!

No file uploaded.

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

In our college, our students represent in all Academic Committees as well as Administrative Bodies. In academics, they represent as Student Coordinator, Symposium Coordinator, Conference Coordinator, Workshop Coordinator, and Student Chapter Representative In the Administrative Body, they represent as a volunteer to organize Cultural Events, Christmas Eve celebration and Sports Day Celebration.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The KEC Alumni Association was formed in the year 2008. The Alumni of our Institution guide the students in their careers and enable them to shine in the society. A link in our college website has been made available for our alumni, where they can register their profile and get membership through the digital link or offline mode. Besides conducting regular meetings during the academic year, the Alumni Association jointly celebrates important festivals once or twice a year in the college premises. We are proud to say that quite a few of our alumni are placed in well-known companies in foreign countries. In the get-together meetings, they happily share their views and experiences as they are very much exposed to the latest technology. They have learned to inculcate the spirit of Time Management and value the Career Development. This type of interaction provides awareness to the wider opportunities and challenges prevailing in the field of Technology. This interactive session is a source of inspiration and eye opening towards the betterment of Curriculum and Career Development. The alumni frequently visit their Alma mater and deliver guest lectures and provide career guidance in their area of expertise like latest trends in technology, participation in workshop and motivational speech, and also strengthen their juniors. Every year successful alumni entrepreneur helps the final year students to get better placement in various engineering streams. The Alumni Cell of the Kings Engineering College is also committed to establish a link between various prospective employees and our students.

5.4.2 – No. of enrolled Alumni:

260

5.4.3 – Alumni contribution during the year (in Rupees) :

79300

5.4.4 – Meetings/activities organized by Alumni Association :

Meeting 1 : 07.09.2018 / Organized by KEC Alumni Association Meeting 2 :
26.01.2019 / Organized by KEC Alumni Association

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Practice 1: Committees: The Institution is having various committees like AC, PCC, IQAC, RD Committee, Disciplinary and Anti-Ragging Committee, Grievance and

Redressal Committee, etc. These committees help in the decentralization of work and collective responsibilities. Before the commencement of each semester, the various committees meet under the guidance of the IQAC and Principal. IQAC does the planning and evaluation for quality assurance in the college and organizes meetings periodically throughout the year. Most of the committees comprise of teachers, and many committees include non-teaching Staff and students as well.

A report of activities is prepared by each committee at the end of every academic year. Practice 2: Mentoring: The Mentoring system is implemented with 20 students to each Faculty member to produce quality technocrats by giving the focused attention on individual students on various social, mental, and societal factors. Each and every Faculty maintains a complete record of students' profiles. A schedule is made periodically for monitoring the students' attendance, academic performance, extra-curricular and co-curricular activities.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Teaching and Learning	<p>Teaching and Learning: The college attempts various plans and processes in order to ensure the flexibility, effectiveness and excellence in academic.</p> <ul style="list-style-type: none"> • Outcome Based Education (OBE) is followed in teaching and learning process. • All faculty members are effectively utilizing the ICT resources. • Upgrading, students and Faculty members by providing financial support to participate in conferences, seminars and workshops and to publish their papers in reputed journals. • Every year the College plans to bring globally recognized academicians to conduct Workshops and Training Programmes for students and Faculty members. • Outcome based evaluations are effectively planned through Academic Events, Project Expo, Paper presentation, Quiz programmes and Model Examination thrice a semester. • Club activities like Photography, IOT Club, Boot Camp etc, are initiated.
Examination and Evaluation	<p>The Outcomes of the Courses measured as Direct Attainment and Indirect Attainment. The Direct Attainment effectiveness of assessment of the Course Outcomes (COs) can be justified with the help of performance in Internal Assessment and University Examination. To evaluate the Course Outcomes, the data are gathered using the following process</p> <ul style="list-style-type: none"> o University Exam o Internal Assessment Tests o

Assignments o Academic Events o Project
Internal Assessment Internal Assessment
Tests (or Model Examinations) are
conducted three times in a semester as
per the schedule given by the
University and the COs of the
respective courses are assessed based
on the performance of the students. The
average of three assessments along with
Assignments and Academic Events are
considered for Internal Assessment.

Internal assessment tests also
conducted for 100 marks as per the
format given below: Part A 10 x 2 Marks
20Marks (OR) Part A 10 x 2 Marks
20Marks PartB 5 x 16 Marks 80Marks Part
B 5 x 13 Marks 65Marks Part C 1 x 15
Marks 15Marks Co Attainment University

Assessment Internal Assessment
Assessment tools for measuring the
attainment of each of the Programs
Outcomes and Program Specific Outcomes
are categorized into two types - Direct
Assessment and Indirect Assessment. The
Programme Coordination Committee (PCC)
will evaluate the attainment of POs and
PSOs by Direct and Indirect Assessment
methods. Assignments Assignments are
given based on the syllabus and the
topics beyond the syllabus to enrich
their knowledge by referring books and
internet for finding the solutions.

Students are encouraged to refer
research papers from reputed journals
to enhance innovation and learning
abilities. Case studies are also given
to apply their technical knowledge for
specific application. Academic Events
Every semester before the Internal
Assessment and Model exam, events are
conducted for the course where they
implement the concept practically which
helps to enrich their knowledge.

Academic events (like Designing,
programming, Simulation, Technical
seminars, Technical Quiz) are conducted
for all the core courses in order to
enhance the technical knowledge of the
students. Project work The final year
students take up a project as a part of
their curriculum depending on their
area of interest. It helps to develop
their innovative ideas by applying the
technical knowledge acquired through
various courses. This cover the
practical / Innovative / research
skills. It is assessed through reviews
and viva by external and internal

	examiners.
Research and Development	<ul style="list-style-type: none"> • To upgrade the qualities of the Staff, they were motivated to pursue and complete their Ph.D. The Faculties are given OD for two days a month for their first three years. • CSE Department is planning for Anna University recognized Research Center. • Besides Faculties, the students are also sponsored to attend the conferences, workshop, and internship for up-gradation of knowledge. • Research work is done by our students and the 3 best projects from each Department is awarded with cash prizes. • The Research methodology programmes are conducted in the last five years. • Funds were received from other organizations for Research Projects. • IPR cell inaugurated and workshops are conducted.
Library, ICT and Physical Infrastructure / Instrumentation	<ul style="list-style-type: none"> • The Institution is now functioning with 5 Floors with 4 Wings named as A, B, C and D. • Smart class rooms, well-equipped laboratories(Project Innovation Lab, Robotics Lab), seminar halls, auditorium, extensive facilities for on-campus training and placement. • Indoor and outdoor game facilities, practice and rehearsal halls for cultural activities and homely hostel accommodation facilities. • New facilities added in the past few years are, <ul style="list-style-type: none"> o Separate Seminar Hall for all Departments. o Tutorial Rooms o Robotics Lab o Road Facility o Canteen o 24 Hrs Ambulance Facility o Research Lab o Project Innovation Lab o Up gradation in internet bandwidth. o Solar plants o Bio Gas Plant o Up gradation in water Treatment plant o Full AC Seminar Hall o Replacement of lights with LEDs o Increasing the count of books and New Journal in Library. o ICT Enabled Auditorium
Human Resource Management	<ul style="list-style-type: none"> • Career Guidance Programmes were enhanced. • Soft skill training conducted from the first year students itself. • Training given for competitive exams. • Awareness programmes related to employability are conducted. • Company specific training for technical, verbal and aptitude was conducted from the third year students.
Industry Interaction / Collaboration	<ul style="list-style-type: none"> • Various skill development programmes were organized by the

Institution for the betterment of the students and Faculties. •
 Entrepreneurship Development Programmes were conducted for the students and received funds from industries for the business. • Faculties are encouraged to take part in the industry projects and to receive funds. • Institute-industry interaction through MOUs was increased. • Students are allowed for internship in the vacation period.

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	Kings Portal
Administration	Kingsedu
Finance and Accounts	Tally
Student Admission and Support	Kingsedu and KingsERP
Examination	Anna University Web Portal

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Mrs. R.Nafeena	Embedded based Internet of Things	ISTE	300
2018	Mrs. D.Sterlin Rani	De emystifying Machine Learning AI	CSI	700
2018	Mr.Leonard Gibson Moses	Adapting the breakthroughs in Industry 4-0	ICT ACADEMY	400
2018	Mr.G.Gnanakumar	Intellectual Property rights and Art of Writing Funding Proposals and Research Articles	Society of Automotive engineers INDIA	750
2018	Mr.A.N.Duraivel	Embedded based Internet of Things	ICT ACADEMY	300
2018	Mr. P MuthuKumaraswamy	Workshop on MATLAB	ICT ACADEMY	400
2018	Dr.Thaiyal Nayagi	Deemystifying Machine Learning AI	CSI	700

2018	Dr.D.C.Jullie Josephine	Art of writing funding proposals and Research articles	CSI	300
2018	Dr.Manikandan.G	Deemystifying Machine Learning AI	CSI	700
2018	Gracia Nissis	Data Science (AI ML)	NITT	5000
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Art of Writing Funding Proposals and Research Articles	Art of Writing Funding Proposals and Research Articles	17/11/2018	17/11/2018	91	15
2019	Workshop on Digital Image Processing using MATLAB AVERTZ TECH	Workshop on Digital Image Processing using MATLAB AVERTZ TECH	15/02/2019	16/02/2019	21	15
2019	TNSCST Sponsored One day workshop on IPR rights	-	17/10/2019	17/10/2019	91	Nil
2018	Workshop on Programming and Simulation Techniques using LABView	Workshop on Programming and Simulation Techniques using LABView	09/08/2018	09/08/2018	21	15
2018	Workshop on Embedded Based IoT	Workshop on Embedded Based IoT	22/08/2018	24/08/2018	21	15
2018	Two days	-			21	Nil

	workshop on ROBO-ZEST18		23/01/2018	24/01/2018		
2018	"Frame Design and Motion Analysis"	Nil	23/02/2018	23/02/2018	21	Nil
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Three Days workshop on Cloud Computing Service Models and Deployment Models at Zenardy Technologies	5	08/11/2018	10/11/2018	3
Four Days workshop on Hardware Virtualization and Service Models at DLK Technologies	3	27/03/2019	30/03/2019	4
Faculty Development Programme on Design of machine elements	9	24/05/2019	30/05/2019	7
Introduction to R programming, ICT Academy, Gurunanak Arts Science College	4	17/09/2018	18/09/2018	2
5 Days FDP on Data Science and Big Data Analytics, at DMI College of Engineering	3	19/11/2018	24/11/2018	6
Intellectual Property rights and Art of Writing Funding Proposals and Research Articles	20	05/10/2018	06/10/2018	2

Art of Writing Funding Proposals and Research Articles	52	17/11/2018	17/11/2018	1
ML using Python	25	23/03/2019	23/03/2019	1
IPR and Art of Writing Funding Proposals Journal Articles	20	05/10/2018	06/10/2018	2
Recent Developments in Photonics and Optical Communication using OptSim Software	18	29/11/2018	30/11/2018	2
View File				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
96	96	18	18

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>Teaching: • Financial support by the Management to be part of the professional society. • On duty leave is given to the Faculty members to attend FDP, Workshop, conferences etc., • Free transport facilities are given to all Faculty members. • Tuition fee waiver for the wards of the staff. • Financial support for publication of papers / research articles, FDP, Workshop, skill certification programmes and filing patents. • Reward for producing University Ranks. • Cash awards and prizes for academic excellence / 100 pass percentage in Anna University exams. • Skill</p>	<p>• Permission to pursue higher studies. • Granting Casual Leave, On Duty leave and Medical leave. • Free transport facilities. • Financial support for attending orientation programmes, workshops and conferences. • Training programmes are arranged to update their knowledge in the latest equipments and softwares. • Through various maintenance cells, several real maintenance / repair works are performed. This will enrich the knowledge and skill of the non-teaching Faculty members. • Special programme on safety precautions for all the drivers by the State owned Training</p>	<p>Students: • 100 Fee Concession 50 Fee Concession for lowincome group students. • fee concession for 85 and above marks. • Received grants through Government Schemes of Rs.16,77,850/- for Skill and Personality Development of SC/ST Students. • Students securing 100 attendance in an academic year are felicitated with prizes. • Financial support for paper publication in both the national and international journals. • Various Skill development programmes by Industry Experts for first 6 semesters duration without any fee. • Free transport facility.</p>

development programme by Industry Experts inside the campus for Faculty Members. • On duty support for their higher studies including doctoral research.

Institute.

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

Internal Audit: The Institution has a separate Internal Auditing Committee (IAC) headed by an Administrative Officer and one Faculty Member from each department. The Internal Audit occurs within the Institution. The objective of the IAC is to keep vigil over all the activities of the institution. It helps to establish transparency of records and efficiency in the operations of the Institution. In case of discrepancies pointed out by the audit team, the concerned person or department has to justify it, within a given duration. If found satisfactory, the issue will be closed. If not found satisfactory, suitable corrective action, recommended by the Auditing team, will be delivered. **External Audit:** An external audit is conducted annually. During the process, the information will be sent to all the departments one-month prior. The circular communicates the scope and objectives of the audit, the auditors assigned, and other relevant information. The auditors will execute the audit plan as per the schedule. The report of the compliance submitted to the Principal and IQAC. Non-compliance with activities will be highlighted to the concerned authority, for further action. The action taken will be reported, evaluated, and submitted to the IAC Coordinator. The final Internal Audit Annual Report (IAAR) will be submitted to the Governing Council. **State government grant:** Audit is conducted annually by the office of the State government Local Fund Audit and the consolidated report is submitted to the Directorate of Technical Education, Chennai, for further action. In case of discrepancies pointed out by the audit team, remarks from the college are sought out and if found satisfactory, the issue is closed. If not found satisfactory, suitable corrective action recommended by the DoTE is informed to the college for the closure of the issue. **Central government grant:** Audit is conducted by the Chartered Accountant appointed by the college and relevant Utilization certificate signed by the Chartered Accountant and the principal is sent to the sanctioning authority. Subsequently, the audit is also carried out by the Accountant General's office for final approval.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
individuals	425000	institution activities
View File		

6.4.3 – Total corpus fund generated

425000

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority

Academic	Yes	NBA NAAC	Yes	KEC
Administrative	Yes	NAAC NBA	Yes	INTERNAL AUDITORS

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

- Providing valuable suggestion for the development of the institution
- Communicating views which the students feel shy to communicate directly to the teachers about the college and the department.
- Pointing out the weaknesses of the college related Departments and suggesting rectification

6.5.3 – Development programmes for support staff (at least three)

1. One Day Awareness Programme in Competency-Based Education for both Teaching and Non-Teaching faculties.
2. One day program on "Stress Management".
3. Microsoft Office Basics for Non-Teaching Faculties.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

- An action plan to be taken has been prepared based on the remarks given by NAAC and NBA peer committee members.
- CSE and ECE programs are accredited by NBA.
- Got permanent affiliation for IT and Mechanical Departments.
- PG program for CSE was introduced.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	One Day Awareness Programme on Competency Based Education	03/02/2018	01/06/2018	01/06/2018	93
2018	A One day Programme on Stress Management	03/02/2018	05/05/2018	05/05/2018	94
2019	International Conference on Innovations and Challenges in Engineering and Technology (ICICET18)	26/12/2018	12/04/2019	12/04/2019	250
2018	One day	29/03/2018	17/11/2018	17/11/2018	94

	Workshop on Art of Writing Funding Proposals and Research Articles				
2019	Quality in Higher Education	26/12/2018	27/06/2019	27/06/2019	100
2018	Nine days FDP on Wireless gesture controlled Robot	03/02/2018	14/05/2018	19/05/2018	50
2019	A One Day NAAC Awareness Training Programme for NAAC	26/12/2018	05/10/2019	05/10/2019	50
2019	Six days FDTP on Embedded IOT	06/03/2019	21/05/2019	27/05/2019	50
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Cultural day	07/02/2018	07/02/2018	125	100
Group discussion	07/04/2018	07/04/2018	120	135
Kings Trophy (Sports Day)	16/07/2018	16/07/2018	125	125
Cultural day	19/07/2018	19/07/2018	78	85
Girls hostel day	26/07/2018	26/07/2018	84	5
Boys hostel day	21/08/2018	21/08/2018	4	154
Kings food carnival	08/09/2018	08/09/2018	30	30
Entrepreneurs hip Awareness Camp	26/09/2018	26/09/2018	189	65
Women's	23/02/2019	23/02/2019	170	5

Awareness and Health care Programme				
Womens day	03/08/2019	03/08/2019	304	48

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Solar energy plant 46

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	Yes	Nil
Ramp/Rails	Yes	Nil
Braille Software/facilities	Yes	Nil
Rest Rooms	Yes	Nil
Scribes for examination	No	Nil
Special skill development for differently abled students	No	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	24/10/2018	1	Cyber Awareness	Clement Matriculation Higher Secondary School	50
2018	1	1	30/10/2018	1	Green Environment	Sri Venkateswara Matriculation Higher Secondary School	50
2018	1	1	14/11/2018	1	Water Conservation	Government Higher Secondary School, Ayappakkam	50
2018	1	1	30/11/2018	1			50

			018		Trending Technologies	Marthoma Matriculation Higher Secondary School	
2018	1	1	19/12/2018	1	Ethical Hacking	Government Higher Secondary School	50
2018	1	1	10/12/2018	1	Tree Plantation	Government Higher Secondary School	50
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of conduct - Faculty	13/06/2018	Reviewed and revised annually
Code of conduct - Student	13/06/2018	Reviewed and revised annually

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
School campus cleaning	26/02/2018	26/02/2018	50
Eye camp	27/07/2018	27/07/2018	50
Paving your own career path	06/08/2018	06/08/2018	110
Independence day program	15/08/2018	15/08/2018	64
Blood camp	20/09/2018	20/09/2018	70
Republic day program	26/01/2019	26/01/2019	51
General Election Awareness program	18/04/2019	18/04/2019	52
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Planting of plants and trees inside the campus 2. Sewage treatment plant 3. Rainwater harvesting 4. Initiatives to make plastic-free campus 5. Installation of an ample number of power-saving LED lights in campus

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

There are two institutional best practices: Best Practice 1 1. Title of the Practice: Academic Events 2. Objectives of the Practice The main objective of the practice is to motivate and evaluate students interest in individual

subject. This makes a student to implement the concept practically which helps to enrich their knowledge in the subjects. 3. The Context Academic event is an excellent tool for engaging students and allowing them to interact with their peers as they try to complete the task assigned to them in their specific role. Also mould the students towards the time management and team work. Employers prefer to hire candidates who are equipped with knowledge and expertise in their field and know how to communicate and interact with clients.

Additionally, if students wish to pursue higher studies abroad, these co-curricular activities make them stand out from other students. Involvement in such academic events along with classroom learning teaches students on how to manage time effectively, prioritize work, follow a schedule, and respect deadlines. Group activities help students to have healthy interaction with every other student in the classroom. 4. The Practice Apart from the regular academic curriculum institution takes an extra step to make the students experts in the individual subjects. So, we offered the practical approach to all the subjects apart from assessment. ? Technical Quiz ? Technical Seminars ? Brain Storming ? Role Play ? Design and Simulation / Hardware Implementation ? Problem Solving 5. Evidence of Success ? Marks are awarded based on their performance in the events ? Students applied their problem solving skill in their innovative projects. ? The students participated in various level competitions and have won prizes like Eco Kart, E-bikes and robotic competitions at national levels based on their innovations 6. Problems Encountered and Resources Required ? Successful implementation at levels of students is a challenge. ? Time constraint plays a vital role, in conducting event within period of time apart from the curriculum hours ? To bring their ideas into implementation students requirement from labs can be provided Best Practice 2 1. Title of the Practices: Skill Based Learning 2. Objectives of the Practice: Skill-based learning focuses on increasing employability through a series of inputs to Equip students with appropriate skills that help them to be job-ready. A core focus on job role-based skills leads to comprehensive specialization, thereby increasing the efficiency of the student. Skill-based learning helps to build upon the skills the learner already has and encourages them to be brave and dare to set foot onto the unknown ground as well. Skills of the student who has already acquired knowledge through classroom lectures are improved and this encourages them to do it as an experiment and apply those concepts to strengthen the learning process. 3. The Context Skill-based learning allows the learners to access, process and then express the information they have absorbed rather than merely writing it down. It not only helps the individual to learn what they need to succeed in the course of the specific training but helps to develop skills that can help individual students carrier growth. Learning this way will boost teamwork and communication skills, as the students work together to solve problems and help each other to reach their goals. Skill-based learning help Students to think logically, analyze concepts and apply their insights. In skill-based learning, teachers focus on imparting education through planning and practice. To help students to retain concepts, discuss ideas and provide constructive feedback so that students can reflect on the skills gained in the classroom. There is a high demand for skilled people who can think creatively, work collaboratively, take responsibility, and handle uncertainty and challenge 4. The Practice To meet the demands of the industry from the students we practice Skill-based learning like Soft Skills, Problem Solving, Aptitude and Programming are focused for the students of Final year and Third Year students. Soft Skills and Programming are focused on Second-year students. Programming and Problem Solving are focused for the first years. For higher semesters learning is practiced through classroom and practical approach. For first years learning is practiced through regular workshops. Practicing skill-based learning enables students to get an opportunity in working as a team, for self-evaluation and time management. 7. Evidence of Success Students who participate in this skill-based learning find

it very helpful when they attend their interviews and competitive exams. Our students are also getting placed in top tire companies. Tamil medium students can cope up with the industry standard with these training sessions. Soft Skills classes enable all the students for their effective communication. 8. Problems Encountered and Resources Required Problems that we counter in skill-based learning are that since we follow the curriculum framed by the university and students are very much interested to take up this training given to them free of cost for their employability, we cant give them more sessions to practice. Many Tamil medium students are trained in English and they face difficulties in effective understanding. Such students are identified and given them extra care to improve their communication skills and programming skills. Students can be given time in classrooms to share their innovative ideas and thinking.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.kingsedu.ac.in/department/bp.php>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The primary objective of the institution is the pursuit of Academic Excellence, Placements, extension activities.. The institute also aims at vitalizing the learning skills with a focus on futuristic demands, vitalizing teaching-learning process, ICT, Human Values, and functional relationship with all the stakeholders for the holistic development of the individual and society. It also strives to create virtuous, meritorious personalities and to prepare professional, creative, and humane students to serve the humanity by setting a commendable tradition of initiative and imagination. The institution stands apart from all other colleges by placing greater emphasis on producing professional students by providing value-based education and enabling the students to face challenges in modern life. The college provides the best amenities required for students to enhance their Technical skills, Academics, and Extra-curricular activities and brings out the best in them.. As club activities in the sense of an association to promote good-fellowship and social intercourse, with the perspective of our vision Kings college offers 16 clubs. Each club is headed by the coordinator. In each club various activities are conducted every semester. The clubs are • IOT club • Code club • Green club • Hack Club • Boot Camp • Project club • Model club • Photography club • Leo club • Dance club • Music club • Science club • Quiz club • Sports Club • Fitness Club • Karting club.

Provide the weblink of the institution

http://www.kingsedu.ac.in/inst_dist.php

8.Future Plans of Actions for Next Academic Year

The future plans were made based on the vision and the mission of the institution. Specific plans for implementation in align with the academic and non academic aspects improve the overall quality of academics and administration. The plans derived from vision and mission of the college are, Planning for Centre of Excellence – DataScience, •Planning for Autonomous Status, •AICTE, DST Funded Projects, •AU Recognized Research Centre for CSE •Infrastructure extension •Remote access for library resources. •Increase faculty and student exchange •Auditorium renovated-Multi purpose. •Internet speed increased •Purchased anti-virus software •Library software version upgraded •New appraisal form •Earn while you learn to be practiced •Received Institutional awards •Cricket academy inaugurated • Planning for Autonomous status .

