



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		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
<b>2. Institutional Status</b>		

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
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)	<a href="http://www.kingsedu.ac.in">http://www.kingsedu.ac.in</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://www.kingsedu.ac.in">http://www.kingsedu.ac.in</a>

### 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

<b>6. Date of Establishment of IQAC</b>	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
Workshop on AWS Core Services	25-Sep-2019 2	74
SEMINAR ON TRENDING TECHNOLOGIES IN DOMAIN OF SOFTWARE-IoT	10-Jan-2020 1	165

SPECIALISATION		
One Day Workshop on Internet of Things	12-Feb-2020 1	90
Seminar on	13-Feb-2020 1	85
Webinar on Building Deep Learning Applications for Big Data	25-Jun-2020 1	2792
SEMINAR ON TRENDING TECHNOLOGIES IN DOMAIN OF SOFTWARE-IoT SPECIALISATION	10-Jan-2020 1	165
Intellectual Propety Rights for Engineers - Online Webinar	19-May-2020 1	1075
Digital Garage on	26-May-2020 1	570
Webinar on	05-Jun-2020 1	240
Online Conference on	26-Jun-2020 1	345
<a href="#">View File</a>		

**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
Department -CSE	company pvt ltd	SM MICRRO System	2020 180	25000
Department -CSE	company pvt ltd	Hozanna Technologies	2020 150	9800
Department -ECE	company pvt ltd	AVERZS Technologies	2020 180	8000
<a href="#">View File</a>				

<b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>	Yes
Upload latest notification of formation of IQAC	<a href="#">View File</a>
<b>10. Number of IQAC meetings held during the year :</b>	3
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	<a href="#">View File</a>												
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	No												
<b>12. Significant contributions made by IQAC during the current year(maximum five bullets)</b>													
Enriching all programmes towards core competency													
Innovation in teaching and learning process (online)													
Improving Infrastructure facilities													
Research and funds for all programme													
Encouraging Remote access of library resources													
<a href="#">View File</a>													
<b>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</b>													
<table border="1"> <thead> <tr> <th>Plan of Action</th> <th>Achivements/Outcomes</th> </tr> </thead> <tbody> <tr> <td>Faculty paper publication</td> <td>achieved</td> </tr> <tr> <td>Scholarship through AQIS_AICTE</td> <td>achieved</td> </tr> <tr> <td>Organized Faculty Development programme</td> <td>achieved</td> </tr> <tr> <td>Value added courses</td> <td>achieved</td> </tr> <tr> <td colspan="2" style="text-align: center;">No Files Uploaded !!!</td> </tr> </tbody> </table>		Plan of Action	Achivements/Outcomes	Faculty paper publication	achieved	Scholarship through AQIS_AICTE	achieved	Organized Faculty Development programme	achieved	Value added courses	achieved	No Files Uploaded !!!	
Plan of Action	Achivements/Outcomes												
Faculty paper publication	achieved												
Scholarship through AQIS_AICTE	achieved												
Organized Faculty Development programme	achieved												
Value added courses	achieved												
No Files Uploaded !!!													
<b>14. Whether AQAR was placed before statutory body ?</b>	Yes												
<table border="1"> <thead> <tr> <th>Name of Statutory Body</th> <th>Meeting Date</th> </tr> </thead> <tbody> <tr> <td>Governing Council</td> <td>28-Feb-2020</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Governing Council	28-Feb-2020								
Name of Statutory Body	Meeting Date												
Governing Council	28-Feb-2020												
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No												
<b>16. Whether institutional data submitted to AISHE:</b>	Yes												

Year of Submission	2019
Date of Submission	08-Mar-2019
<b>17. Does the Institution have Management Information System ?</b>	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

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
Certificate course on .NET	-	24/06/2019	Nil	employabil ity	Technical
Certificate course on LINUX	-	24/06/2019	(5 Days)	employabil ity	Technical
Certificate course on Advanced Java Spoken Tutorial	-	25/11/2019	5 Days	employabil ity	Technical
Certificate course onWeb development	-	17/06/2019	5days	employabil ity	Technical
Certificate course on IOT	-	17/06/2019	4 Days	employabil ity	Technical
Certificate course on Machine Learning	-	25/11/2019	5 Days	employabil ity	Technical
Certificate course on Data Science	-	24/06/2019	(4 Days	employabil ity	Technical

Certified course on Embedded system - 24/06/2019 (5 Days) employability Technical

## 1.2 – Academic Flexibility

### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Robotics and Automation Engineering	03/06/2019
BE	Bio Medical Engineering	03/06/2019
No file uploaded.		

### 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	Bio medical	01/06/2020
BE	Robotics and automation	01/06/2020

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

	Certificate	Diploma Course
Number of Students	940	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
Certificate course on .NET	05/06/2019	97
Certificate course on LINUX	05/06/2019	77
Certificate course on Data Science	06/01/2020	109
Certified course on Embedded system	05/06/2019	69
Certificate course on Integrated development environment with ARDUINO Platform	05/06/2019	56
Certificate course on Raspberry Pi	06/01/2020	56
Certificate course on Solidworks	05/06/2019	28
Certificate course on on ANSYS	06/01/2020	53
<a href="#">View File</a>		

### 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	74
BE	ECE	69
BTech	IT	15
BE	Mech	53
<a href="#">View File</a>		

#### 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>1.4.2 How the feedback obtained is being analysed and utilized for overall development of the institution? (maximum 500 words) Collection of Feedback from Parent, Student, Teacher, Alumni, and Employers: The institution collects the feedback on curriculum aspects and courses from different stakeholders like students, alumni, Faculty and Employers. Institution established Academic Council in order to ensure and analyze the academic excellence at student and faculty levels. Periodical analysis is made by Academic Council through Program Coordination Committee for student performance, faculty performance in every semester, utilization of infrastructure and requirements for quality enrichment. Kings Engineering College thoroughly reviews the curriculum for every academic year. The college maintains an IQAC as a quality consistence and quality enhancement measure. In supervision of IQAC, various departments and committees like Career Guidance, Anti-Ragging and STEAM CLUB activities, etc reinforce the curriculum by incorporating updated information and every day social issues. 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. Periodical analysis is made by Program Coordination Committee. The college conducts 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 provided feedback data is presented to the Academic Council Meeting for necessary implementation in curriculum. Whenever any alumni visit the college, feedback is taken. 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 Academic Council for further action. (Refer Appendix I)</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
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ME	Computer Science and Engineering	18	17	7
BE	Robotics and Automation	60	40	21
BE	Biomedical Engineering	60	90	64
BTech	Information Technology	120	81	62
BE	Mechanical Engineering	60	65	51
BE	Electronics and Communication Engineering	120	96	84
BE	Computer Science and Engineering	120	268	120

[View File](#)

## 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
2019	396	7	96	3	99

## 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
99	99	3	24	4	4

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

### 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). 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.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
977	99	1:10

## 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
80	99	Nil	11	23

### 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	Dr. A. Senthil Kumar	Associate Professor	Patent Publication
2019	Mrs. V. Kavitha	Associate Professor	Patent Publication
2019	Dr. D. C. Jullie Joshephine	Professor	Placement

[View File](#)

## 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-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	205	Odd/I	04/01/2020	24/01/2020
BE	106	Even/I, II, III, IV	29/04/2020	17/10/2020
BE	106	Odd/II, III, IV	25/11/2019	30/12/2019
BE	106	Odd/I	04/01/2020	24/01/2020
BE	104	Even/I, II, III, IV	29/04/2020	17/10/2020
BE	104	Odd/II, III, IV	25/11/2019	30/12/2019
BE	104	Odd/I	04/01/2020	24/01/2020
BE	114	Even/I, II, III, IV	29/04/2020	17/10/2020

BE	114	Odd/II, III, IV	25/11/2019	30/12/2019
BE	114	Odd/I	04/01/2020	24/01/2020
<a href="#">View File</a>				

### 2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (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. ? 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 test, after approval from the Principal. ? 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 experiment, record and viva voce on each experiment. ? 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.

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

Academic year starts as prescribed by Anna University. The University publishes in advance, the academic calendar containing plans for curricular and co-curricular activities based on the available working/teaching days as per university norms. Student council of the college prepares the College academic calendar in concurrence with the University calendar. ? The academic calendar is prepared in accordance to the university schedule and distributed to the Faculty and the students. ? The academic calendar provides date of commencement of the academic session, duration of semester, period of internal assessment tests, events planned for the semester and Government holidays. ? Students are well informed about the time table for internal assessment examination and the schedule for portal entry. ? The whole syllabus is divided into several sub-topics, and the mode of teaching will be determined by the concerned Faculty to prepare Lesson Plan. ? Lesson plan based on Blooms Taxonomy and course objectives must be prepared in alignment with academic calendar which is duly approved by the Head of each Department after careful examination. ? Question banks are prepared for each topic in the course based on Blooms Taxonomy and course objectives and considering the university question papers before the start of the semester. ? The co-curricular activities such as industrial visits, guest lectures, value added courses, placement training, workshops, cultural activities are planned by the Department based on the academic calendar and the schedules are used to be displayed on the notice board.

## 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/naac/criterion2/2\\_6\\_1\\_cos.php](http://www.kingsedu.ac.in/naac/criterion2/2_6_1_cos.php)

## 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
205	BTech	Information Technology	34	32	94.12
114	BE	Mechanical Engineering	53	51	96.22
106	BE	Electronics and Communication Engineering	69	65	94.2
104	BE	Computer Science and Engineering	74	69	93.24

[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/naac/criterion2/2\\_7\\_sss.php](http://www.kingsedu.ac.in/naac/criterion2/2_7_sss.php)

## 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
Major Projects	180	SM MICRRO System	0.25	0.25
Minor Projects	180	Vee Eee Technologies Solutions Pvt Ltd	0.1	0.1
Interdisciplinary Projects	150	Hozanna Technologies	0.98	0.98
Any Other (Specify)	180	Averts Technology	0.08	0.08
Any Other (Specify)	180	TMW, Chennai	0.1	0.1
Any Other (Specify)	180	Jehova Jireh Engineering	0.1	0.1
Any Other (Specify)	180	Jehova Jireh Engineering	0.08	0.08
Any Other (Specify)	150	Chase Technologies	0.12	0.12

Any Other (Specify)	180	RAM INTELLIGENCE AND SOLUTIONS	0.1	0.1
<a href="#">View File</a>				

### 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 Internet of Things (DLK TECH)	CSE	12/02/2020
Seminar on "Business Intelligence and Data Analytics"	CSE	13/02/2020
Guest Lecture on "Machine Learning using Python"	CSE	11/01/2020
SEMINAR ON TRENDING TECHNOLOGIES IN DOMAIN OF SOFTWARE-IoT SPECIALISATION	CSE	10/01/2020
Workshop on AWS Core Services	CSE	25/09/2019
Webinar on Building Deep Learning Applications for Big Data	CSE	28/05/2020
Training on Python Programming	CSE	10/10/2019
Seminar on Engineering Ethics and Artificial Intelligence	CSE	05/08/2019
Seminar on Booming Trends in Industries and Supportive Engineering	CSE	20/07/2019
Seminar on IOT	ECE	09/08/2019
Guest Lecturer on "Artificial Intelligence"	ECE	10/02/2019
Workshop on "Robot Control and Autonomous Motion using Arduino"	ECE	20/02/2019
Intellectual Property Rights for Engineers - Online Webinar	ECE	19/05/2020
Digital Garage on Using Google and Facebook for Growth and Success in 2020	ECE	26/05/2020
Workshop on PCB design	ECE	15/02/2020
Workshop on Industrial Automation	ECE	10/03/2020

World Intellectual Property Rights Organization- Introduction to the Patent Cooperation Treaty	CSE,ECE,IT,Mech	18/10/2019
One day workshop on Optimization technique	MECH	24/08/2019
Workshop on Recent trends in Rapid prototyping	MECH	05/03/2020
Seminar on Advancement in welding Technology	MECH	12/02/2020
Workshop on Autodesk 360-Fusion	MECH	

### 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
Digital Marketing Course	Digital and Social Media Management Workshop	Golden Advertising Publicity	16/03/2020	Institution
Technical Education-Advanced JAVA Course	Student Development Program	Zenardy Technologies Pvt Ltd	06/06/2019	Institution
Graphic Design Course	Digital and Social Media Management Workshop	Golden Advertising Publicity	05/10/2019	Institution
STAFFORDSHIRE UNIVERSITY and EDUCATION MATTERS	Teaching Award in Engineering	Staffordshire University	30/01/2019	Institution

[View File](#)

### 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
NIL	NIL	NIL	NIL	NIL	Nil
No file uploaded.					

## 3.3 – Research Publications and Awards

### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	1	0

### 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	1
ECE	3

### 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)
National	CSE	2	0
National	ECE	19	0
National	IT	3	0
National	BME	2	0
National	SH	6	0
National	MECH	5	0
<a href="#">View File</a>			

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
RAA	3
CSE	22
IT	8
ECE	18
MECH	10
SH	5
BME	3
<a href="#">View File</a>	

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
CNN and Sound Processing-Based Audio classifier for Alarm Sound Detection	C Ramesh Babu Durai	Springer Link - Artificial Intelligence and Evolutionary Computation in Engineering System	2019	0	Kings Engineering College	1
An enhanced computer-assisted lung cancer detection method using content based image	Mr. B. M uthazhagan	Journal of Ambient Intelligence and Humanized Computing (Springer)	2019	0	Kings Engineering College	Nil

retrieval and data mining techniques						
Video Distortion Aware Optimal Routing and Encoding Schemes	Dr.G.Suresh	Alochana Chakra Journal	2019	1	Kings Engineering College	Nil
VALUABLE VITALITY REMOTE PERCEIVING IN CLOUD IOT	Mrs.M.Pa rameswari	Test Eng ineering Management Journal	2020	1	Kings En gineering College	Nil
Fuzzy dragon deep belief neural network for activity recognition using hierarchical skeleton features	Mrs.Paul .T.Sheeba	Evolutio nary Intel ligence(Sp ringer)	2019	0	Kings En gineering College	Nil
<a href="#">View File</a>						

### 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
NIL	NIL	NIL	Nil	Nil	Nil	0
No file uploaded.						

### 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	20	40
Presented papers	67	Nil	Nil	Nil
<a href="#">View File</a>				

## 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/	Number of teachers	Number of students
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	collaborating agency	participated in such activities	participated in such activities
Induction Day	NSS-Kings Engineering College	1	50
Science day	Science day Mahatma Gandhi Primary school, Sriperumbadur	1	50
School Cleaning	Panchyat union middle School, Pennalur Sriperumpudhur	1	50
Sports day	Panchyat union middle School, Pennalur Sriperumpudhur	1	50
Blood donation camp	Blood donation camp Children hospital Egmore	1	50
Eye camp	Sankara Eye Hospital	1	50
Tree Plantation	Pennalur	1	50
Womens day	STEAM CLUB-KEC	1	450
Street Play	Panchyat union middle School, Pennalur Sriperumpudhur	1	100
Dengue	NSS-Kings Engineering College	1	100
<a href="#">View File</a>			

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
NIL	NIL	NIL	Nil
No file uploaded.			

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	Pennalur	Tree Plantation	1	50
NSS	Children hospital Egmore	Blood donation camp	1	50
NSS	Panchyat union middle School, Pennalur	Sports day	1	50

	Sriperumpudhur			
NSS	NSS-Kings Engineering College	Induction Day	1	50
NSS	NSS-Kings Engineering College	Dengue	1	100
NSS	Panchyat union middle School, Pennalur Sriperumpudhur	Street Play	1	100
NSS	NSS-Kings Engineering College	Road Saftey	1	150
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### 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
Visited Industry activity	25	KEC	1
Visited IGCAR operations	55	KEC	1
Field Trip	57	KEC	1
Precision Tools	56	KEC	1
Robotics Course	5	KEC	10
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#### 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
Visited Industry activity	Industrial Visit	Doordarshan	01/08/2019	Null	25
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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	06/12/2019	Industrial Oriented training, Innovative seminars	60

		and Workshop, Guest Lectures, Speech by Industrial Persons, Case studies	
V3TechServ Delivery Partner of HPE	22/11/2019	Guest Lecture, Workshop, Seminar	60
Pantech Prolabs India Pvt. Ltd.,	05/12/2019	INPLANT TRAINING,Workshop, FDP,Seminar	60
Averzs Technologi es,Research and Development	08/12/2019	RESEARCH PUBLICAT ION,WORKSHOP, INTERNSHIP	60
CHASE RESEARCH AND DEVELOPMENT SOLUTIONS	14/12/2019	INPLANT TRAINING,Workshop, FDP,Seminar,PATENTS publication	60
Vee Eee Technologies Solutions Pvt. Ltd.	02/11/2019	Internships, Industrial Visits, Research and Development, Skill Development Programme	150
Wise source private limited	21/07/2019	Placement	50
Vinbytes	21/07/2019	Training on Programming	300
Zenardy Technologies Pvt Ltd	17/07/2019	Placement Training	50
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## 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
5805642	6000000

4.1.2 – Details of augmentation in infrastructure facilities during the year

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



Total	550	11	0	1	1	12	20	100	0
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4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS
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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	<a href="http://www.kingsedu.ac.in:8000/#!/login">http://www.kingsedu.ac.in:8000/#!/login</a>
Shodhaganga	<a href="https://shodhganga.inflibnet.ac.in/">https://shodhganga.inflibnet.ac.in/</a>

#### 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	2432456	2000000	2154764

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)

The college has appointed technical person for maintaining the infrastructure by way of building maintenance, transport, furniture and generator operator in case if the power shuts down. Separate Complaint registers were maintained for various services like electrical, plumbing, housekeeping etc. The people, who work here on maintenance of the college, will report regularly about the breakage of instruments and devices to the higher authority. Students and faculty members are provided separate login credentials to access the intranet and internet. Access to internet is provided in the lab even after college working hours. Apart from the regular lab classes, students are offered practice in programming languages by various value added courses which are under taken in the lab. Preventive maintenance and breakdown maintenance procedure is followed so as to ensure maximum availability of the systems in the lab. Installation of antivirus and firewall ensure that the software and system is secured. The status of the hardware and software of the machine can be checked and noted to the status register in a daily basis. This ensures that the problem is identified and rectified at an early stage itself. Breakdown maintenance wherein the system fails due to SMPS problem or boot failure is recorded in a register. If the problem is minor, the technical support staff of the lab will rectify it. For major failures, support from vendor is taken and rectified. Anticipating vendor support, UPS and major equipment's have annual maintenance contract (AMC). Students and faculty members are provided separate login credentials to access the intranet and internet. Access to internet is provided in the lab even after college working hours. Apart from the regular lab classes, students are offered practice in programming languages by various value added courses which are under taken in the lab. Preventive maintenance and breakdown maintenance procedure is followed so as to ensure maximum availability of the systems in the lab. Installation of antivirus and firewall ensure that the software and system is secured. The status of the hardware and software of the machine can be checked and noted to the status register in a daily basis. This ensures that the problem is identified and rectified at an early stage itself. Breakdown maintenance wherein the system fails due to SMPS problem or boot failure is recorded in a register. If the problem is minor, the

technical support staff of the lab will rectify it. For major failures, support from vendor is taken and rectified. Anticipating vendor support, UPS and major equipment's have annual maintenance contract (AMC). Periodic maintenance is done by regular cleaning of the lab spaces, software updates and antivirus updates. The stock in the lab is verified for the available equipment's and discarded equipments, by a meticulous

<http://www.kingsedu.ac.in>

## 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	961	26192332
Financial Support from Other Sources			
a) National	PMSS, BC/MBC, F.G and Minority Scholarship	1113	32263925
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
Personal Counselling Mentoring	01/01/2019	861	KEC Staffs
Yoga Meditation	01/01/2019	911	Yoga Trainer KEC Physical Education Department
Bridge Course	01/01/2019	403	KEC Staffs
Remedial Coaching	01/01/2019	837	KEC Staffs
Soft Skills	01/01/2019	600	Mr.S.Balaji, KEC Staffs and Anna University

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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	UPSC Preparation by King Makers IAS	416	Nil	Nil	193

	Academy, Program for GMAT, GRE, GATE by IMPEL Overseas Education				
2020	Defense Examinations By Defense Academy, Study in Abroad by Azent Overseas, Motivational Program by Arghaa Technologies	Nil	1056	Nil	193
<a href="#">View File</a>					

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
2	2	15

## 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
Wise Tech source, Just Dial, Eurocon Instruments, CSS Corp, Qu intessence, Span Technology Service Pvt Ltd, TRR Automotive (JCB), Tech Mahindra, Zen Online, SMEC Automation, Sutherland Global, Zenardy Tech nologies.	973	152	TCS IBM HCL Expanda Stand Pvt Ltd SL Lumax CodeBoard Technologies Morling Global CTS Infosys	350	41

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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	3	B.E	CSE	Kings Engineering College	M.E CSE
2019	1	B.E	CSE	Kalasalingam University	M.C.A

[View File](#)

### 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	Null
SET	Null
SLET	Null
GATE	Null
GMAT	Null
CAT	Null
GRE	Null
TOFEL	Null
Civil Services	Null
Any Other	Null

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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
200M RUNNING FOR GIRLS	Institution Level	10
100M RUNNING FOR GIRLS	Institution Level	8
KABADDI FOR BOYS	Institution Level	24
400M RUNNING FOR GIRLS	Institution Level	8
200M RUNNING FOR GIRLS	Institution Level	12
100M RUNNING FOR GIRLS	Institution Level	10
KHO-KHO	Institution Level	36
TENNICOIT	Institution Level	16
VOLLEYBALL	Institution Level	32
BADMINTON FOR BOYS	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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
Nill	NIL	Nill	Nill	Nill	NIL	NIL
<a href="#">View File</a>						

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

College is the place that makes ready individuals future ready, as responsible citizens and visionary leaders. Such qualities only come with the right exposure and experiences during the tenure that one studies in an institution. With apt academic exposure supported by practical and experiential learning combined with opportunities and activity that build innovative thinking, creative ability, camaraderie and team spirit, students transform into future ready individuals. Our college students are an integral part of all the Academic Committees and Administrative Bodies. In the academic front they act as Student Coordinators, Symposium Coordinators, Conference Coordinators, Workshop Coordinators and Student Chapter Representatives. In the Administrative front, they voluntarily organize cultural events, festive and sports celebrations. In all committees formed to undertake events and programmes in the college, the students take roles such as Chairperson, Vice Chairperson, Treasurer and coordinators. They periodically ensure the execution of various events must be conducted in our premises. Beside this, our student's innovative, multifold talents are exhibited in project exhibitions and stand as a place to demonstrate it. This creates an ambiance for the students to discover or innovate new technologies to solve the social problems. Our students participated in intra and inter college hackathon, symposium, workshops and conferences where they exhibit their various skills and talents that have been acclaimed and won many medals and awards. Our students have actively participated in stress management and yoga sessions conducted in the campus. This ensures that they are of sound mind and body to carry out all activities with clear focus and vision. NSS and YRC camps are organized to make our students excel in field and social work to serve society. As a part of intra college interaction and activation, our students organize sports and cultural events while also putting together and publishing college and department magazines and newsletters. As a part of the "Swachh Bharat" mission for a clean and hygienic India, our NSS Team organizes several events across the year and is celebrated with great reverie. The NSS YRC committee has organized body organ donation camps and blood donation camps to create social awareness and bring about a sense of social responsibility among students. Sports and physical activity plays a vital role in our institution. Many of our student's inner skills and extra- curricular talents are revealed through sports. Our college conducts regular inter department tournaments for games such as cricket, football, volley ball and indoor games like chess, carrom and badminton. The college sports teams has represented the name of the institution in inter collegiate and zonal level tournaments, while winning many accolades and championship trophies at the events. Our college plays host to professional societies such as ISTE, IETE, SAE, and CSI student chapters. Here, our students are members and they participate in the various event conducted by these societies. They represent the college chapter of these societies and ensure that the reputation of the college is maintained at all events by being active participants and forerunners in the events.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The greatest reputation of an institution comes from the places that a student goes when the graduate take the name of the college along with them. And nothing warms our hearts more than to see our students from the past doing extremely well as professionals and becoming great human beings in the real world as KEC-ians. In the aim of building a bridge between the glorious college life and career, the alumni association was established to keep professionals and academicians in touch with their roots, that was formed here. Interaction with the alumni will make young graduates proactive to face the current challenges of competitive world. Providing an opportunity for a decent career, the alumni network services help from former students to find job opportunities and improve their chances of landing a job offer amongst peers and young graduates from the institution. A strong alumni network benefits the current student in the form of peer support and mentorship. The Alumni also donate their valuable time to offer career support to current students. The alumni and current students put their hand together to achieve the goal of echoing the name of KEC on a global stage. Apart from this, the Alumni Association aims to keep blooming in the hearts of alumni the memories of college, friendship, learning and growth. In order to maintain a solid link between alumnae and college, the association offers being part of a body that enables advantages such as establishing a huge network among the alumni, improving career services, maintaining a lifelong contact, offering travel benefits and even financial support when needed. Keeping such great goals and prospects in the vision, in 2006, the Alumni Association of Kings Engineering College was established. Graduates can become a member of the association on payment of life membership fee of Rs. 300/- (India) or Rs. 1000/- for NRI's. Four registration tables for four branches like Computer Science Engineering, Information Technology, Electronics and communication Engineering and Mechanical Engineering, Bio Medical Engineering and Robotics and Automation Engineering are organized during graduation and annual day ceremonies. The Alumnae Association is maintained by an Executive Committee of members. The General Body meeting of the alumni association is organised once in a year, at the end of January. To motivate both social and fund raising events, the Alumni meets twice in a year. To keep the alumni active and reminiscent, the college takes special effort to organizes cultural programmed for their entertainment and participation and is always filled with lots of emotion and laughter. Students are always enthusiastic to see the alumni and question them about their secrets of success and their mantra for a bright and sustainable future. Many alumni share their stories and anecdotes from their life and what are the key reasons for their success. During such events the administration provides stay, food and transport when the visit from across the globe. Furthermore, the alumni after sharing their experiences,

5.4.2 – No. of enrolled Alumni:

176

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

121600

5.4.4 – Meetings/activities organized by Alumni Association :

Meeting 1 : 15-Aug-2019 / Organized by KEC Alumni Association Meeting 2 :  
26-Jan-2020 / 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: IQAC, Academic Council, Programme Coordination 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, non-teaching Staff and students as well. A report of activities is prepared by each committee and at the end of every academic year all the committees has to submit that to the Principal. Practice 2: Innovation Cell: Incubation centre is aimed to provide technological facilities and advices, initial growth funds, network and linkages, co-working spaces, lab facilities, mentoring and advisory support to the eminent students. They are often a good path to capital from angel investors, government organizations, economic-development coalitions, venture capitalists and other investors. It comprises of Seven Teaching Faculties as members, one from each department.

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
Curriculum Development	<p>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.</p> <p>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.</p>
Teaching and Learning	<p>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"> <li>• Outcome Based Education (OBE) is followed in teaching and learning process.</li> <li>• All faculty members are effectively utilizing the</li> </ul>

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

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

- o University Exam
- o Internal Assessment Tests
- o Assignments
- o Academic Events
- o Project University Examination

The Course end university exams are conducted by the Anna University for 100 marks as per the format given below: Part A 10 x 2 Marks 20 Marks (OR) Part A 10 x 2 Marks 20 Marks Part B 5 x 16 Marks 80 Marks Part B 5 x 13 Marks 65 Marks Part C 1 x 15 Marks 15 Marks 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 20 Marks (OR) Part A 10 x 2 Marks 20 Marks Part B 5 x 16 Marks 80 Marks Part B 5 x 13 Marks 65 Marks Part C 1 x 15 Marks 15 Marks 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 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

- 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 workshops are conducted.

Industry Interaction / Collaboration

- Various skill development programmes were organized by the Institution for the betterment of the

	<p>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.</p>
Admission of Students	Merit based on marks scored in the higher secondary examination.
Library, ICT and Physical Infrastructure / Instrumentation	<p>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.</p>

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

E-governance area	Details
Planning and Development	<a href="http://www.kingsedu.ac.in">www.kingsedu.ac.in</a> <a href="http://www.kings.co.in/KECERP">www.kings.co.in/KECERP</a>
Administration	<a href="http://www.kingsedu.ac.in">www.kingsedu.ac.in</a> <a href="http://www.kings.co.in/KECERP">www.kings.co.in/KECERP</a>
Finance and Accounts	Tally
Student Admission and Support	<a href="http://www.kingsedu.ac.in">www.kingsedu.ac.in</a> <a href="http://www.kings.co.in/KECERP">www.kings.co.in/KECERP</a>
Examination	<a href="http://www.coe.annauniv.edu">www.coe.annauniv.edu</a> <a href="http://www.kings.co.in/KECERP">www.kings.co.in/KECERP</a>

### 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
Nill	Mrs.S.Lekashri	Technical Workshop on Arduino	CCTI	500
2020	Mrs.B.Anitha Vijayalakshmi	International conference on Recent trends in computing, communication and networking technologies	-	4000



2020	Dr A.Senthil Kumar	ICMNSM 2019	NMDC	3500
2020	Mrs.L.Leena Jenifer	FDP on Data Structures	CSI	100
2020	Mrs. S. Gracia Nissi	NPTEL FDP on Python for Data Science	MHRD, AICTE	1100
2020	Mrs. S. Gracia Nissi	FDP on Theory of Computation FDP on Theory of Computation	CSI	100
2020	Mrs. D.Sterlin Rani	FDP on Theory of Computation	CSI	100
2020	Dr.D.C.Jullie Josephine	FDP on Theory of Computation	CSI	100
2020	Dr.D.C.Jullie Josephine	Cyber security	CSI,ISTE	1500
<a href="#">View File</a>				

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)
2020	SEMINAR ON TRENDING TECHNOLOGIES IN DOMAIN OF SOFTWARE-IoT SPECIALISATION	-	10/01/2020	10/01/2020	34	Nil
2020	Workshop on AWS Core Services	-	25/09/2019	26/09/2019	22	Nil
2019	-	Workshop on AWS Core Services	25/09/2019	26/09/2019	Nil	6
2020	Guest Lecture on "Machine Learning using Python"	-	08/01/2020	08/01/2020	32	Nil

2020	One Day Workshop on Internet of Things	-	12/02/2020	12/02/2020	28	Nil
2020	Seminar on "Business Intelligence"	-	13/02/2020	13/02/2020	36	Nil
2020	Webinar on Building Deep Learning Applications for Big Data-	-	28/05/2020	28/05/2020	38	Nil
2020	ONE DAY NATIONAL LEVEL WORKSHOP on 3D - PRINTING	-	04/05/2020	04/05/2020	10	Nil
2020	-	ONE DAY NATIONAL LEVEL WORKSHOP on 3D - PRINTING	04/05/2020	04/05/2020	Nil	2
No file uploaded.						

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
Online FDP on Python 3.4.3	5	16/04/2020	22/04/2020	6
Leading in VUCA World	3	20/04/2020	24/04/2020	5
Five Days FDP on Theory of Computation	6	18/05/2020	22/05/2020	5
Five Days FDP on Cryptography and Network Security	4	11/05/2020	15/05/2020	5
big data tools	2	18/05/2020	23/05/2020	2
Arduino Training	4	06/01/2020	11/01/2020	6



Faculty Awareness Program on NAAC Accreditation	20	10/05/2020	15/05/2020	6
5 Day Online Faculty Development Program on "IoT Trends to Drive Innovation for Business and Digital Technology."	5	11/05/2020	15/05/2020	5
<a href="#">View File</a>				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
99	99	18	18

#### 6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> <li>Financial support by the Management to be part of the professional society.</li> <li>On duty leave is given to the Faculty members to attend FDP, Workshop, conferences etc.,</li> <li>Free transport facilities are given to all Faculty members.</li> <li>Tuition fee waiver for the wards of the staff.</li> <li>Financial support for publication of papers / research articles, FDP, Workshop, skill certification programmes and filing patents.</li> <li>Reward for producing University Ranks.</li> <li>Cash awards and prizes for academic excellence / 100 pass percentage in Anna University exams.</li> <li>Skill development programme by Industry Experts inside the campus for Faculty Members.</li> </ul>	<ul style="list-style-type: none"> <li>Permission to pursue higher studies.</li> <li>Granting Casual Leave, On Duty leave and Medical leave.</li> <li>Free transport facilities.</li> <li>Financial support for attending orientation programmes, workshops and conferences.</li> <li>Training programmes are arranged to update their knowledge in the latest equipments and softwares.</li> <li>Through various maintenance cells, several real maintenance / repair works are performed. This will enrich the knowledge and skill of the non-teaching Faculty members.</li> <li>Special programme on safety precautions for all the drivers by the State owned Training Institute.</li> </ul>	<ul style="list-style-type: none"> <li>100 Fee Concession 50 Fee Concession for low income group students.</li> <li>Fee concession for 85 and above marks.</li> <li>Students securing 100 attendance in an academic year are felicitated with prizes.</li> <li>Financial support for paper publication in both the national and international journals.</li> <li>Various Skill development programmes by Industry Experts for first 6 semesters duration without any fee.</li> <li>Free transport facility.</li> </ul>

#### 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 a 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: The external audit is conducted annually. During the process, the information will be sent to all the departments one month in 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 concern 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 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, 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
Management	26815198	-
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6.4.3 – Total corpus fund generated

3658000
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## 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	NAAC, NBA	Yes	INTERNAL AUDITORS
Administrative	Yes	NAAC,NBA	Nil	INTERNAL AUDITORS

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

- Providing valuable suggestion for 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 Funds were received for development of the Institution.

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

1. Workshop on AWS Core Services 2. Workshop on PCB Design 3. ONE DAY NATIONAL LEVEL WORKSHOP on 3D - PRINTING

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 programmes are accredited by NBA. • Got permanent affiliation for IT and Mechanical Departments. • PG programme for CSE was introduced. • Robotics and Automation and Biomedical Engineering Departments were introduced.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	No
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
2020	Faculty Awareness Program on NAAC Accreditation	10/05/2020	10/05/2020	15/05/2020	18
2019	Teaching Learning Process in Higher Education	13/12/2019	13/12/2019	14/12/2019	72
2020	Five days online Faculty Development Programme on Big Data Engineering	01/06/2020	01/06/2020	05/06/2020	61
2020	ONE DAY NATIONAL LEVEL WORKSHOP on 3D - PRINTING	04/05/2020	04/05/2020	04/05/2020	10

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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
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			Female	Male
Lecture on Personal Grooming	12/07/2019	12/07/2019	95	55
Lecture on "Handling Stress at all place"	10/08/2019	10/08/2019	110	55
Legal Awareness Programme on Women Related Laws	06/09/2019	06/09/2019	125	75
Skill Development Programme- Theatre Play	19/09/2019	20/09/2019	75	75
Entrepreneurship Awareness Programme	23/09/2019	25/09/2019	40	51
Awareness Programme on "Women's Rights and Access to Criminal Justice System"	05/10/2019	05/10/2019	115	55
Guest Lecture on "A Promise is a Promise, Time for an Action to End Violence against Women"	25/11/2019	25/11/2019	110	75
Debate on "Indian Constitution and Human Rights - Equality of Men and Women"	26/11/2019	26/11/2019	125	125
Training the Personality and Confidence level of our young girls	08/02/2020	08/02/2020	350	50
Theme talk on I am Generation Equality- Realizing Women's Rights	28/02/2020	28/02/2020	120	80
Women's Day - Women Awareness	07/03/2020	07/03/2020	350	50

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

Percentage of total power requirement met by renewable energy sources is 44

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
Rest Rooms	Yes	Nil
Scribes for examination	Yes	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
2019	1	1	07/05/2019	1	Awareness Programme	Literacy Campaign Child Marriage	55
2019	1	1	16/08/2019	1	Eye Camp	Problems like cataract were addressed	70
2019	1	1	23/08/2019	1	Carrier Development Programme	Rural Illiteracy	150
2019	1	1	09/10/2019	1	Blood Donation Camp	Donated Blood was given to local community	65
2019	1	1	28/09/2019	1	Awareness on Save Water	Saving Available Resources	150
2019	1	1	10/05/2019	1	Clean Campus	Cleaned the	55

					Drive	campus and promote the message of Prime minister Mr.Narendra Modi "People should neither litter, nor let others litter."	
2020	1	1	30/01/2020	1	Street Play on P reserving Environme nt	Importance of Saving Environment 1	300
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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 Code of conduct - Student	28/06/2019	Reviewed and Revised Annually

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Republic Day	26/01/2020	Nil	55
International Mother Tongue Language	21/02/2020	Nil	250
International Yoga Day	21/06/2019	Nil	75
Independence Day	15/08/2019	Nil	55
Blood Donation Camp	10/09/2019	Nil	65
Clean Campus Drive	05/10/2019	Nil	55
National Integration Day	19/11/2019	Nil	75
National Integration Day	26/11/2019	Nil	75
Human Rights Day	10/12/2019	Nil	75
National Voters Day	25/01/2020	Nil	150
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### 7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Energy Conservation
2. Waste Management
3. Water Conservation and Management
4. Use of Renewable Energy
5. More Tree Plantation
6. Create awareness

## 7.2 – Best Practices

### 7.2.1 – Describe at least 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 the individual subject. This makes a student to implement the concept practically which helps to enrich their knowledge in the subjects. The seminars will keep the students up-to-date with the technologies. They start thinking about new things which could be implemented practically. A role-playing scenario aims at introducing students to various perspectives or ways of thinking about a situation, enhancing their ability to overcome problems, and providing experience within a given context.

3. The Context Academic event is an excellent opportunity to involve students and to encourage them to connect their peers as they attempt to complete the task assigned to them in their particular position. Mould students for time management and teamwork, too. Employers favor recruiting applicants who are equipped with their industry experience and skills and know-how to connect and interact with clients. Also, if students choose to pursue higher studies abroad, co-curricular activities such as problem-solving, seminar, role play, etc., will make them stand out from other students. Involvement in these academic activities along with learning in the classroom teaches students how to efficiently manage time, prioritize assignments, obey a timetable and meet deadlines. Team exercises help students connect well with one other in the classroom.

4. The Practice In addition to the standard academic program, the institution is taking an extra step in having the students experts in the individual subject matter. So, apart from the assessment, we gave a realistic approach to all the topics. Technical Quiz Students need to form teams while participating in quizzes, allowing them to hone their teamwork skills. Technical seminars Making students take seminars on the subject topics would always help them more to understand the subject. This would give them a chance to collect more information about the seminar topic they are provided with. The result is that they would learn the subject well. Because they have to acquire knowledge about the subject of their own. By taking seminars in front of their teachers and friends, the students will be able to talk before a crowd later in their life without any difficulty. Also, they can improve their presentation skills. It is a great chance for the students to improve their skills within their curriculum. They can improve their language. By taking seminars they will become very able to interact with the people which will turn out to be useful in their later life. Brainstorming It Allows Creative Thinking, It Encourages Everyone's Viewpoints, It Involves Everybody, Its Swift and Easy, It Sets a Learning Baseline. Role play Role play 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. This work can be done in cooperative groups and/or students can maintain the persona of their role throughout the class period. Students are more engaged as they try to respond to the material from the perspective of their character. Role play will give children the skills to handle problematic social interactions, such as bullying, which may happen as they progress through life.

Design and Simulation/ Hardware Implementation Modeling and simulation are emerging as an increasingly important tool for education and training. Students can apply previously learned concepts and theories to practical situations solving real designing problems. It helps students see complex relationships that would otherwise involve expensive equipment or dangerous experiments. It provides students with new methods of problem-solving. Allows for math, science, and technical skills to be taught in an applied, integrated manner.



Provides realistic training and skills for a multitude of career areas. It is used extensively in industries. Problem-solving The problems link concepts, incorporate specifics in a scaffolded way and implement additional knowledge until the students have a clear understanding and meaning. The focus of this approach is on the students solving problems with the faculty present in collaboration.

5. Evidence of Success Based on their success in the competitions, prizes and marks are won. In their creative projects, students demonstrated their problem-solving skills. Students took part in various competitions at different levels and won national awards such as Eco Kart, Ebikes and robotic competitions based on their invention

6. Problems Encountered and Resources Required Successful implementation at levels of students is a challenge. Time constraint plays a vital role in conducting events within a stipulated period. One of the biggest challenges of the role-playing technique is to get all students to participate and be truly engaged.

BEST PRACTICE 2

1. Title of the Practice: Green Practices

2. Objectives of the Practice: Going green is a mentality involving the constant acquisition of awareness about how life in an environmentally sustainable and responsible way.

KINGS ENGINEERING COLLEGE is a Green Campus were environmentally friendly activities and education converge to promote sustainable growth. The green campus concept aims in: Offering an incentive to take the lead in redefining the community culture, enhancing human wellbeing and preserving the ecosystem. Reducing adverse environmental and health effects of campus events. Maintaining safe and hygienic conditions. Sensitization by proper sorting, storage, processing and disposal of e-waste.

3. The Context: The college has few areas to tackle, such as judicious water use, water supplies, equipment, wastage, etc., to make the campus environmentally sustainable. Leakages and excess water from overhead tanks have been reported. Reducing energy consumption and rising alternative sources of energy across campus buildings require high investment, which is hard to raise. On implementation point, waste management and disposal face a challenge. Students, faculty, and staff need to use stationary optimally more efficiently. The campus will benefit from green measures taken by the college through reduced resource use and waste disposal.

4. The Practices: Students and teachers are encouraged to use the public or college transport and students are allowed to use motorcycles on prior permission as a means of transportation on average. As part of the Government program, trees were planted and saplings of different species were distributed to college and community workers and students. We perform an annual green audit to ensure environmental sustainability. Similarly, using plastics is limited by the use of steel bins to dispose of the waste. Our organization strives to plan, construct and run its buildings to conserve electricity, water, and other resources. The goal is to create a stable, secure and balanced work environment. Our college advocates the following principles for green building in all its facilities, including new buildings, renovations or existing ones: Energy efficiency and renewable energy Water conservation Landscaping Material reduction, recycling, environmentally preferable building materials Improved indoor environmental quality

Our goal is to reduce the amount of water that is used throughout the college campus. The major solid waste that is produced at the Campus is regularly separated in dustbins, thus keeping the Campus clean and green. In each unit, the housekeeping supervisors ensure that the waste is collected at specified time intervals in each level. To make the students conscious and allow them to use dustbins stickers are displayed on each board. The waste food is collected and transported to the biogas plant the gas produced is used in cooking. Letters, cardboards, bits of wood are burned, and the remains are used as plant manure. The Sewage Treatment Plant (STP) is available for handling liquid waste at our campus. Liquid waste from both blocks is sent to STP via a chamber it is aerated and the treated water is used for agricultural purposes, toilet flushes, and other non-drinking. Wastewater from the plant at RO is also used to irrigate the green areas. The obsolete computers and other waste



produced by the electronic equipment types are being sold to approved e-waste dealers. The old machines are being given away for new ones. For potential usage, some pieces that are useful for other systems are held aside. 5.

Evidence of success: Each year there is a noticeable decline in the use of paper because much of the contact is now through emails, apps such as Whatsapp groups, websites, and other social media applications. Sensitivity workshops and seminars influence students and faculty on the judicious use of water, electricity and effective waste disposal management. The college has installed solar panels on several campus buildings to embrace renewable energy options.

6. Problems encountered and Resources Required: Despite routine servicing of valves, taps, and pipes, there is uncounted water wastage that can be avoided by providing sensor valves and standard taps. By buying ceramic / steel/biodegradable/ multi-use plastic cups and containers, the college conceptualizes the cycle of long-term solutions. The task of growing and holding the saplings can be solved by making the students adopt a tree. Garden requires extension and improvement. Paperless administration at the implementation stage is not done efficiently, as all documents and files must still be kept physically.

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/naac/criterion7/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 and placements. The institute also aims at vitalizing learning skills with a focus on futuristic demands, vitalizing the teaching- learning process, ICT, human values, and a functional relationship with all the stakeholders for the holistic development of the individual and society. The institution stands apart from 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. 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 role-based skills leads to comprehensive specialization, thereby increasing the efficacy of the student. Skill-based learning helps in building the skills the learner already has and encourages them to be confident and strong to set foot onto the real world. Skill-based learning allows students to access, process and then express the information they have absorbed rather than merely mugging it up and writing it down. It not only helps the individual to learn what they need to succeed in the course of a certain specialty, but also helps to develop skills that can help an 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 makes them think logically, analyze concepts and apply their insights. In skill-based learning, teachers focus on imparting education through planning and practice.

It ultimately help students retain concepts, discuss ideas and provide constructive feedback, so that students can reflect on the skills gained in the classroom. This fulfills the high demand for skilled people who can think creatively, work collaboratively, take responsibility, and handle uncertainty and challenge To meet the demands of the industry from the students we practice skill-based learning including: soft skills, problem solving, aptitude and programming for business problems, for third and final year students. Soft skills and programming are focused in the second year, while problem solving is focused in the first year. For each higher semester, learning is practiced

through a classroom combined practical approach. For the first year, learning is practiced through regular workshops. This enables students to get an opportunity in working as a team, introspect and work within parameters. Six modules have been framed and initially the module starts with basic python programming which has become the mandatory and basic programming language for the students to shine in the programming sector. Then followed by basic programming using python students will learn to develop application using python, then Artificial Intelligence, Machine Learning using Python. This will enable our students to be stronger in their programming. Students who are proficient with skill-based learning find it very helpful when they attend their interviews and competitive exams. Soft Skills enable students for their effective communication. Students with lack of English language skills easily cope with the industry standards after these training sessions.

Provide the weblink of the institution

<http://www.kingsedu.ac.in/naac/criterion7/id.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 inaugarated• Planning for Autonomous status .Planning for Innovation hub in all department, Planning to conduct quality initiative programmes through Naac.New programmes like Artficial Intelligence and data sience .