



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		KARPAGAM COLLEGE OF ENGINEERING
Name of the head of the Institution		Dr. P. Vijayakumar
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		04222619030
Mobile no.		9894994643
Registered Email		chairmankce@gmail.com
Alternate Email		principal@kce.ac.in
Address		Othakkalmandapam
City/Town		Coimbatore
State/UT		Tamil Nadu
Pincode		641032
2. Institutional Status		

Autonomous Status (Provide date of Conformant of Autonomous Status)	10-Jul-2010
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Shri. P. Sundaram
Phone no/Alternate Phone no.	04222619047
Mobile no.	8056128236
Registered Email	iqac@kce.ac.in
Alternate Email	iqackce15@gmail.com

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://kce.ac.in/internal-quality-assurance-cell-iqac/
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	https://kce.ac.in/academics/academic-calendar/

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	A	3.32	2016	19-Jan-2016	18-Jan-2021

6. Date of Establishment of IQAC	12-Oct-2015
---	-------------

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 Blooms Taxonomy in the Evaluation Process	08-Jun-2018 1	75

Workshop on Research Article preparation	26-Jun-2018 1	185
Orientation programme on CO and PO mapping	30-Jul-2018 1	313
Guest Lecture on Learning & Development	28-Jan-2019 1	100
Leadership Quality and performance improvement program	15-Apr-2019 3	24
Workshop on Formation of Course Outcomes	22-May-2019 1	275
View File		

8. Provide the list of Special Status conferred 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
NIL	NIL	NIL	2019 00	0
No Files Uploaded !!!				

9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

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)

- Workshop on Outcome Based Education
- Workshop on Formation of Course Outcomes and Blooms Taxonomy in evaluation process
- Dissemination and populating the Modified guidelines of NAAC for Accreditation
- Orientation programme for the newly recruited faculty members,
- Workshop on Revised Guidelines for preparation of SSR in synchronisation with standard Operating Procedure stipulated by NAAC

No Files Uploaded !!!

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	Achievements/Outcomes
Promotion of research through seed money provision by the management	At the initiate of IQAC, Rs. 10.72 Lakhs of seed money was provided by the management
Introducing New Courses to meet the Industry Expectation	128 New Courses added under Regulations 2018
Improving the R & D Activities	2 patents awarded and 23 filed
Improving usage of ICT tools in course delivery	Number of smart classrooms steadily improved from 22 to cover maximum class to have enhanced learning experience of students and all the class rooms are ICT enabled
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Council of the Institute	10-Aug-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

2019

Date of Submission

05-Jan-2019

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)

Performance Module • Students attendance / On duty / Medical Leave • Students Continuous Internal Assessment Marks / Seminars presentation marks / Unit Test marks / Soft skills presentation marks / Assignment marks • Students cocurricular and extracurricular activities details along with feature of uploading the

event certificates • Intimation letter to the parents about the attendance and academic performance. CBCS Module • Information of the Regulation, Curriculum and Syllabi • Information of the Academic profile • Enrolment / registration / withdrawal of courses • Assigning and creation of regulations / course category • Assigning the Credits for the courses based on Lecture / Tutorial / Practical Hours • Setting the limits of internal / external marks for the courses Exam Module • Process the semester examination applications, hall ticket issuing, question paper selection and hall allotments • Generation of Barcodes (dummy numbers) for evaluation of answer scripts and allotment of answer scripts for evaluation • Generation of report for authorities like Result passing board • Generation of Grade sheet, consolidated grade sheet and publication of results Fee Module • Enable online fees payment

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	Auto	Automobile Engineering	19/05/2018
BE	Civil	Civil Engineering	19/05/2018
BE	CSE	Computer Science and Engineering	19/05/2018
BE	ECE	Electronics and Communication Engineering	19/05/2018
BE	EEE	Electrical and Electronics Engineering	19/05/2018
BE	EIE	Electronics and Instrumentation Engineering	19/05/2018
BE	ETE	Electronics and Telecommunication Engineering	19/05/2018
BTech	IT	Information Technology	19/05/2018
BE	MECH	Mechanical Engineering	19/05/2018

MBA	MBA	Master of Business Administration	19/05/2018
View File			

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	Automobile Engineering	25/06/2018	18OA31-Basics of German	25/06/2018
BE	Automobile Engineering	25/06/2018	18OA32-Functional German	25/06/2018
BE	Automobile Engineering	25/06/2018	18OA41-Basics of Japanese	25/06/2018
BE	Automobile Engineering	25/06/2018	18OA42-Functional Japanese	25/06/2018
BE	Civil Engineering	25/06/2018	15CF01-Soft Skills	25/06/2018
BE	Automobile Engineering	25/06/2018	15AF01-Soft Skills	25/06/2018
BE	Automobile Engineering	25/06/2018	15AF02-Mini Project	25/06/2018
BE	Automobile Engineering	25/06/2018	17OA13-Business English	25/06/2018
BE	Automobile Engineering	25/06/2018	18OA13-Business English - I	25/06/2018
BE	Automobile Engineering	25/06/2018	18OA14-Business English - II	25/06/2018
View File				

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Automobile Engineering	25/06/2018
BE	Civil Engineering	25/06/2018
BE	Computer Science and Engineering	25/06/2018
BE	Electronics and Communication Engineering	25/06/2018
BE	Electrical and Electronics Engineering	25/06/2018
BE	Electronics and Instrumentation Engineering	25/06/2018

BE	Electronics and Telecommunication Engineering	25/06/2018
BTech	Information Technology	25/06/2018
BE	Mechanical Engineering	25/06/2018
MBA	Master of Business Administration	25/06/2018
View File		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Automobile Engineering	25/06/2018
BE	Civil Engineering	25/06/2018
BE	Computer Science and Engineering	25/06/2018
BE	Electronics and Communication Engineering	25/06/2018
BE	Electrical and Electronics Engineering	25/06/2018
BE	Electronics and Instrumentation Engineering	25/06/2018
BE	Electronics and Telecommunication Engineering	25/06/2018
BTech	Information Technology	25/06/2018
BE	Mechanical Engineering	25/06/2018
MBA	Master of Business Administration	25/06/2018
MCA	Master of Computer Applications	25/06/2018
ME	Communication Systems	25/06/2018
ME	VLSI Design	25/06/2018
ME	Mechatronics	25/06/2018

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
DELL EMC- Data Science Big Data Analytics	11/06/2018	50
Block chain Technology	02/07/2018	25
Cyber security	02/07/2018	30
Bar Bending Schedule	04/07/2018	40
PCB DESIGN	05/07/2018	42

Auto CAD	09/07/2018	50
ANSYS	09/07/2018	40
Solid Works	11/07/2018	40
Two Wheeler Overhauling	16/07/2018	15
Industrial Automation	16/07/2018	40
View File		

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	Automobile Engineering	60
BE	Civil Engineering	199
BE	Computer Science and Engineering	365
BE	Electronics and Communication Engineering	365
BE	Electrical and Electronics Engineering	275
BE	Electronics and Instrumentation Engineering	90
BE	Electronics and Telecommunication Engineering	80
BTech	Information Technology	270
BE	Mechanical Engineering	314
MBA	Master of Business Administration	30
View File		

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>One of the good practices being followed in the institution is obtaining feedback from all the stakeholders. The feedback is obtained both on-line and filled - in format. The formats are devised, keeping in view of critical metrics for each of the categories of survey. Some of the surveys are periodical and conducted in a routine manner while others are need based. Thus i) Students Feedback (on faculty) ii) Course End Survey iii) Students</p>

Satisfaction Survey (SSS) iv) Exit Survey are regularly obtained. Some other feedbacks a) Employers Feedback b) Alumni Survey c) Parents Feedback are obtained based on the need. The feedback of stakeholders is obtained regularly about adequacy of infrastructure and learning resources. Accordingly, continuous review of infrastructure and learning resources is carried out by respective committees and the recommendations are integrated for upgrading, maintaining and utilizing physical, academic and support facilities. Feedback is also taken from faculty, stakeholders and experts regarding industrial trends to identify new demands. Structured feedback is taken from students, alumni, employers and experts from academia, industry, profession bodies for revision of the syllabi and curriculum. The course feedback from course coordinators is obtained to review the course objectives, contents, learning outcomes and assessment tools. Feedback from faculty handling the course is taken for syllabus revision. Employers feedback enables new syllabi formation, creation of facilities and knowledge exchange through conduct of workshops and seminars. The students feedback and Student Satisfaction Survey help the institution to modify the Teaching Learning and Evaluation (TLE) processes and for the augmentation of infrastructure facilities. Course End Survey and Exit Survey are taken to analyse the learning outcome of the students. Feedback from the parents is taken by interacting during Parent Teacher Meeting. Feedback is taken from alumni for suggestions and improvements in the curriculum. Suggestion boxes are installed at various locations of the campus which are easily accessible to the stake holders, so that they can give their feedback/ suggestions for overall improvement. Thus all the stakeholders contribute for the quality improvement efforts of the institution.

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
MCA	Master of Computer Applications	120	22	22
BTech	Information Technology	120	106	106
BE	Computer Science and Engineering	180	144	144
BE	Electronics and Instrumentation Engineering	90	19	19
BE	Electrical and Electronics Engineering	180	83	83
BE	Electronics and Telecommunication Engineering	60	11	11
BE	Electronics and Communication Engineering	180	140	140
BE	Civil Engineering	90	35	35

BE	Mechanical Engineering	180	124	124
BE	Automobile Engineering	60	22	22
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
2018	3720	99	289	31	0

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
320	320	8	92	22	11

[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 Institution has a well-structured Mentoring system where in a Mentor is assigned to a batch of every 25-30 students from first year till final year. The mentors meet the students periodically to continuously monitor, counsel, guide, and motivate the wards in all academic/ personal matter. They also guide in choosing the electives, internship, training and projects besides career selection. The mentors maintain continuous record of their wards academic and personal matters. In academics, mentors maintain data of performance details for all the semesters. They offer professional guidance to the mentees in guiding them towards their professional goals, selecting a career and higher studies. In addition they also arrange for counselling in stress related issues with support of the professional counsellor available in the campus. The mentor is one vital source for a student where he/she can seek knowledge, guidance and support at all times. They bridge the communication gap between parents and the management by regularly updating the parents about their wards progress and other updates from the institution. Effective mentoring provides a trustworthy relationship between mentors and their wards which:

- Focuses on the needs of the students.
- Establishes adequate communication with parent and closely monitor the academic performance of the students.
- Roles and responsibilities of Mentor
- Acts as a friend, philosopher and guide in times of need
- Acts as role model
- Provides guidance, encouragement, and moral support
- Acts as a catalyst in professional development and soft skills
- Offering guidance to their wards to reach their professional goals, selecting a career and higher studies
- Guides the ward to choose courses in accordance with the area of interest
- Monitors the academic progression and keep their parents informed.
- Motivates their ward for participation in co-curricular/ extra-curricular activities for holistic developments
- Identify and assist the ward to bridge the gap in their skill sets in the career progression

A mentor is an individual staff with expertise who can help in the holistic development of a mentee. A mentor often has two primary responsibilities towards the mentee. The career-related responsibility establishes the mentor as a coach who provides advice to enhance the mentee's professional learning performance and development. The psychosocial responsibility establishes the mentor as a role model and support system for the mentee. Both provide explicit and implicit lessons related to professional development as well as work-life balance.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
--	-----------------------------	-----------------------

3819

128

1:30

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
88	88	0	88	18

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
2018	Ms.R Adeline Daisy	Assistant Professor	Microprocessors and Microcontrollers- Topper of 1 in NPTEL-Elitegold
2018	Dr.S.Manoharan	Professor	Outstanding Reviewer Award (Future Generation Computer Systems)
2018	Dr.M. Prakash	Professor	Active CSI Member
2018	Dr.S.Kannimuthu	Associate Professor	Best Paper Award, Vivekanandha College of technology for women, Tiruchengode
2018	Dr.Manojkumar	Professor	Active NPTEL SPOC
2018	Ms..K. Ratnapriya	Assistant Professor	Infosys Silver Partner Faculty Award under INSPIRE - The Campus Connect Faculty Partnership Model
2018	Ms. R. Gomathi	Assistant Professor	Infosys Silver Partner Faculty Award under INSPIRE - The Campus Connect Faculty Partnership Model
2018	Mr. R.Ramprashath	Assistant Professor	Qualified UGC NET
2018	Ms. Sukanya M	Assistant Professor	Introduction to Remote Sensing- Topper of 1 in NPTEL-Elitegold
2018	Dr.R.Madhumitha	Professor	Introduction to Internet of Things- Topper of 1 in NPTEL-Elitegold

[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
BE	ECE	3	20/12/2018	03/01/2019
BE	MECH	7	20/12/2018	03/01/2019
BE	MECH	5	20/12/2018	03/01/2019
BE	MECH	3	20/12/2018	03/01/2019
BE	CIVIL	7	20/12/2018	03/01/2019
BE	CIVIL	5	20/12/2018	03/01/2019
BE	CIVIL	3	20/12/2018	03/01/2019
BE	AUTO	7	20/12/2018	03/01/2019
BE	AUTO	5	20/12/2018	03/01/2019
BE	AUTO	3	20/12/2018	03/01/2019

[View File](#)

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	7638	0

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)

<https://kce.ac.in/naac/>

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
MBA	MBA	Master of Business Administration	14	13	92.85
MECH	BE	Mechanical Engineering	208	172	82.69
IT	BTech	Information Technology	98	91	92.85
ETE	BE	Electronics and Telecommunication Engineering	50	46	92
EIE	BE	Electronics	68	59	86.76

		and Instrumentation Engineering			
EEE	BE	Electrical and Electronics Engineering	171	139	81.28
ECE	BE	Electronics and Communication Engineering	160	130	81.25
CSE	BE	Computer Science and Engineering	114	100	87.71
CIVIL	BE	Civil Engineering	102	75	73.52
AUTO	BE	Automobile Engineering	66	56	84.84
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)

<https://kce.ac.in/internal-quality-assurance-cell-igac/>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Dr .M.Mubarak
View File

3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
National	Thirumurugan V.	Ph.D	01/11/2018	Anna University
National	Priyadharshini C.	Ph.D	14/12/2018	Anna University
National	Thilagam S.	Ph.D	11/02/2019	Anna University
National	Madhumalar R.	Ph.D	04/03/2019	Anna University
National	Suvarna S.	Ph.D	04/03/2019	Anna University

National	Deepa S.	Ph.D	12/12/2018	Anna University
National	Mohanbabu A.	Ph.D	28/09/2018	Anna University
National	Shamadhani Begum A.	Ph.D	29/10/2018	Bharathiyar University
National	Jayalakshmi A.	Ph.D	29/10/2018	Bharathiyar University
View File				

3.2 – Resource Mobilization for Research

3.2.1 – 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	730	Prosun Energy Pvt Ltd, Coimbatore	30	15.25
Major Projects	365	Gateway Software Solutions., Chennai	6.55	6.55
Major Projects	365	Pantech Solutions, Coimbatore	7.35	7.35
Major Projects	270	Gururaj Engineers, Baroda.	7.5	7.5
Major Projects	270	Brisa Technologies, Bengaluru.	4.89	4.89
Major Projects	365	Vin Chip Systems, Chennai.	6.14	6.14
Major Projects	300	Spectrum Embedded Solutions, Coimbatore.	5.8	5.8
Major Projects	365	RV Engineering Works, Coimbatore.	4.72	4.72
Major Projects	365	Vinayaga Modern Rice mill, Kangayam.	2.36	2.36
Major Projects	365	Mangla Smart Energy Solutions, Tirupur.	3.7	3.7
View File				

3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

3.3 – Innovation Ecosystem

3.3.1 – 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
Guest Lecture on "Angular JS"	MCA	10/04/2019
Workshop on "Potential Research Avenues and Future Opportunities in Electrical and Instrumentation Engineering"	EIE	22/03/2019
Guest Lecture on "Digital Marketing"	MCA	21/03/2019
Technical Event - RIDE 2019 - 6th Mini Bike Design, Fabrication and Racing Contest	AUTO	15/03/2019
FDP on Internet of Things and IoT device security	EEE	14/03/2019
Workshop on Signal Processing Application using MATLAB	ETE	14/03/2019
Workshop on Cryptography and Network Security	ETE	14/03/2019
Workshop on CMOS VLSI Design using Tanner Tool	ETE	14/03/2019
Workshop on Applications of Mathematics in Engineering	SH	28/02/2019
Workshop on Internet of Things	SH	28/02/2019

[View File](#)

3.3.2 – 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 Paper Award "A Novel Approach For Agricultural Decision Making Using Graph Colouring"	Dr.Kannimuthu S, Associate Professor	ISMAC-CVB 2019	14/03/2019	TEACHER
Science fiesta - technical event	G.Avinash, U.Sarath	PSG College of Technology, Coimbatore	22/02/2019	STUDENT
Design and development of automatic instant food	M.Gowtham, M.Suriya prakash	Mitsubhishi Electric India Pvt.Ltd.	16/02/2019	STUDENT

makerwith smart vending machine				
Design and Development of Automatic Instant Food Maker with Smart Vending Machine	SuriyaPraksh.M, M.Gautham	Mitsubishi Electric India Pvt.Limited, Bangalore	15/02/2019	STUDENT
All Terrain Vehicle	N Kaviarasu S.Praveen Hirthick Rozan K V Vijay Ramdass.M Vigneshwaran S Chinnathambiraj a M Varun R K	Velammal College of Engineering, Chennai	28/01/2019	STUDENT
Arduino Student Challenge	P.J. Jagadeesh D. Hari Haran A .P.Kamaleshwaar an P. SibiGuhan	Gurudeva Institute of Science and Technology, Kottayam	30/12/2018	STUDENT
Code-4-Cause	A.K. Cyril Silvester J. Soundhar M. Dharshan K. Jegan	Providence College of Engineering, Chengannur	30/12/2018	STUDENT
Code Error Spotter	T.P. Kavin M.Arvinthsamy	JNTUH College of Engineering, Hyderabad	28/12/2018	STUDENT
Circuit Debugger Contest	M. Rajamani S. Vishnu Sankar	Malla Reddy Engineering College, Hyderabad	27/12/2018	STUDENT
Coders Premier League 2018	Sreeja Balaji Sundararajan G.Ashwin Raj	Soliton Technologies, Coimbatore	02/12/2018	STUDENT
View File				

3.3.3 – 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	Karpagam Innovation centre	Karpagam Charity trust, Coimbatore	MAN With A PLAN	EVENT Organizing	20/03/2019
View File					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
MBA	2

CSE	1
ECE	3
EIE	1
SH	2

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Automobile Engineering	7	0
International	Civil Engineering	11	0
International	Computer Science and Engineering	16	0
International	Electronics and Communication Engineering	59	0
International	Electrical and Electronics Engineering	32	0
International	Electronics and Instrumentation Engineering	3	0
International	Electronics and Telecommunication Engineering	12	0
International	Information Technology	28	0
International	Mechanical Engineering	21	0
International	Master of Business Administration	8	0

[View File](#)

3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
SH	1
MECH	17
ETE	4
ECE	32
EIE	8
CSE	8
IT	6
EEE	10
CIVIL	9
AUTO	2

[View File](#)

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Traveller Pedal	Published	306732	01/05/2019

[View File](#)

3.4.5 – 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
Fuzzy Expert System Based on a Novel Hybrid Stem Cell (HSC) Algorithm for Classification of Micro Array Data	S.Arul Antran Vijay P.GaneshKumar	Journal of Medical Systems	2018	0	Karpagam College of Engineering	5
Detection of dengue disease using artificial neural network based classification technique	K. Balasaran, M.Prakash	International Journal of Engineering and Technology (UAE)	2018	0	Karpagam College of Engineering	9
Deep Learning Techniques for Polarity Classification in Multimodal Sentiment Analysis	P. D. Mahendhiran, S. Kannimuthu	International Journal of Information Technology Decision Making	2018	0	Karpagam College of Engineering	6
Survey on Image Encryption Schemes, Bio Cryptography and Efficient Encryption Algorithms	Dr. P.Karthigaikumar, C Arulmugan	Mobile Networks and Applications	2018	0	Karpagam College of Engineering	6

Mobile Cloud Computing for ECG Telemonitoring and Real-Time Coronary Heart Disease Risk Detection	Dr. P.Karthigaikumar C. Venkatesan	Biomedical Signal Processing Control	2018	0	Karpagam College of Engineering	11
FPGA Implementation of an Optimized Key Expansion Module of AES Algorithm for Secure Transmission of ECG signal	Dr.P.Karthigaikumar, T. Manojkumar	Design Automation for Embedded Systems	2018	0	Karpagam College of Engineering	5
A Novel LMS Algorithm for ECG Signal Preprocessing and KNN Classifier Based Abnormality Detection	V C Venkatesan Dr.P.Karthigaikumar	Multimedia Tools and Applications	2018	0	Karpagam College of Engineering	10
Medical image classification for disease diagnosis by DBN methods	Dr. B. Nagaraj, R. Arunkumar	Pakistan Journal of Biotechnology	2018	0	Karpagam College of Engineering	11
Comparative Assessment Of Pwm Strategies For Three Phase Trinary Source Nine Level Inverter With	Dr.C.R.Balamurugan T .Sengolrajan B.Shanthi	Journal of electrical engineering	2018	0	Karpagam College of Engineering	26

Rectified Sine Carriers						
ECG Signal Preprocessing and SVM Classifier-Based Abnormality Detection in Remote Healthcare Applications	Dr.P.Karthigaikumar, Venkatesan, Anand Paul	IEEE access	2018	0	Karpagam College of Engineering	40

[View File](#)

3.4.6 – 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
ECG Signal Preprocessing and SVM Classifier-Based Abnormality Detection in Remote Healthcare Applications	Dr.P.Karthigaikumar, Venkatesan, Anand Paul	IEEE access	2018	9	40	Karpagam College of Engineering
Comparative Assessment Of Pwm Strategies For Three Phase Trinary Source Nine Level Inverter With Rectified Sine Carriers	Dr.C.R.Balamurugan T.Sengolrajan B.Shanthi	Journal of electrical engineering	2018	9	26	Karpagam College of Engineering
Mobile Cloud Computing for ECG Telemonitoring and Real-Time	Dr. P.Karthigaikumar C. Venkatesan	Biomedical Signal Processing Control	2018	9	11	Karpagam College of Engineering

Coronary Heart Disease Risk Detection						
Medical image classification for disease diagnosis by DBN methods	Dr. B. Nagaraj, R. Arunkumar	Pakistan Journal of Biotechnology	2018	9	11	Karpagam College of Engineering
Smart real time rescue system for fishermen	Dr. B. Nagaraj, R. Arunkumar, M. S. Pradeepraj	Pakistan Journal of Biotechnology	2018	9	11	Karpagam College of Engineering
A Novel LMS Algorithm for ECG Signal Pre processing and KNN Classifier Based Abnormality Detection	V C Venkatesan Dr.P.Karthigaikumar	Multimedia Tools and Applications	2018	9	10	Karpagam College of Engineering
Design and complementation of vertical Axis wind turbine conversion system for low wind speed areas.	M.Sivaramkrishnan M.Ramkumar	International journal of pure and applied mathematics	2018	9	10	Karpagam College of Engineering

[View File](#)

3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	84	0	0
Presented papers	184	98	0	0
Resource persons	0	20	0	2

No file uploaded.

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Auto	Design and development of solar Bike	Spark Motorz, Erode.	117000
Civil	Soil Testing	Gayathri Constructions, Coimbatore.	25000
CSE	Design and Development of Image Enhancement Software for Underwater Deep Bore well Inspections	S G Innovators, Coimbatore	180000
CSE	Artificial Intelligence Based Image Segmentation	Dhanvi InfoTech, Coimbatore	300000
CSE	Retail Analytics for CdmKart Products in Chidambaram District	CdmKart, Coimbatore	160000
CSE	Portfolio Analysis, Forecasting of Sales and Inventory Management for a leading Boutique	Feelings Boutique, Coimbatore	120000
CSE	Product Catalog Integration	LeoGryph Technologies, Coimbatore	160000
CSE	Medical Tourism Query	Dalil Medical Solutions, Coimbatore	50000
CSE	Drug info service	Drug and Poison Information Centre, Coimbatore	40000
ECE	IoT based Accident Identification and Alerting System	Embsys Technologies, Chennai.	168250
View File			

3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Dr.M.R.Vanitham ani MBA	Work life Balance	ARG technologies Coimbatore	20000	16
No file uploaded.				

3.6 – Extension Activities

3.6.1 – 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
Visit to the Orphanage "Families for Children"	NSS Volunteers	5	35
Seed Ball preparation and ploughing	NSS Volunteers	5	50
An awareness Program on "Health Education about Pulmonary Tuberculosis and Extra Pulmonary Tuberculosis"	NSS in association with TB Unit, Karpagam Medical College Hospital, Coimbatore	3	93
An Awareness Program on "World Food Day"	Ms.K.B.Vaishnavee Balaji, Founder, Food Bank, Coimbatore	4	29
Blood Donation Camp	NSS volunteer	3	12
Passport Camp	NSS in association with NSS unit, Karpagam Academy of Higher Education	5	100
Blood Donation Camp	NSS Volunteers	4	28
Traffic regulation work at Coonoor	NSS Volunteers	2	26
An awareness Program on Health Psychology and Kinesiology.	NSS in association with Karpagam Hospital, Coimbatore.	2	10
A Human Chain on Importance of Trees and Helmet Wearing.	NSS in Association with Nizhal Maiyam, Coimbatore.	2	52
View File			

3.6.2 – 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
NSS	Best NSS Volunteer	Anna University, Chennai	1
NSS	Blood Donor Certificate	Ganga Hospital, Coimbatore	12
NSS	Active Volunteer	Food Bank, Coimbatore	29

NSS	Appreciation Certificate	Panchayat President, Thegani	11
NSS	Active volunteer	Traffic Police	26
No file uploaded.			

3.6.3 – 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	Peedampallipanchayat, Coimbatore	Special NSS Camp	2	14
NSS	MHRD	National Integration Camp	1	1
NSS	Malla Reddy Engineering College, Hyderabad.	National level Youth Meet	1	5
NSS	P.A College of Engineering, Pollachi.	National Integration Camp	2	2
View File				

3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Conference/Seminar/Data Hack	Dr.M.Prakash	Kapagam College of Engineering	2
Seminar	Dr.M.Prakash	Kapagam College of Engineering	1
Seminar	Dr.S.Angellatha Mary	Kapagam College of Engineering	1
FDP	S.ArulAntran Vijay	Kapagam College of Engineering	6
Faculty Exchange	J.Abhishek Narayan & A.Sowmiyaa	Kapagam College of Engineering	6
Student/ Faculty Exchange (Here Solutions India Pvt. Ltd.)	D.Prasannan, F.Fahad Taqee, R.Hariprasath, K.Logesh S.Mohamed Yahya, K.Prabu Sachin, G.R.Venkatesh A.Gokul, K.Harigaran, S.Sandeep, K.Tharun A.Vignesh, R.Jaskaran	Kapagam College of Engineering	12
Student/ Faculty	G.Anbu, V.V.Rahul	Kapagam College of	6

Exchange (Ampere Vehicles)		Engineering	
Student/Faculty Exchange	K.Amaranth, M.Jeevanraju, G.Mohamed yasar, R.Krishnakumar	Kapagam College of Engineering	6
Student Exchange	S.Kowsalya, M.Mangalambigai, K.Nishananthini	Kapagam College of Engineering	12
Student Exchange	S.Tharanian	Kapagam College of Engineering	6
View File			

3.7.2 – 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	on-the-Job training	Appaya Consulting Engineers Coimbatore.	15/11/2018	16/03/2019	Students
Internship	on-the-Job training	C Cube Technologies Coimbatore.	12/11/2018	16/03/2019	Students
Internship	on-the-Job training	Mahalakshmi Constructions Coimbatore.	08/12/2018	16/03/2019	Students
Internship	on-the-Job training	G S K Constructions Coimbatore.	25/11/2018	31/01/2019	Students
Internship	on-the-Job training	Bhagavan Constructions Coimbatore.	08/12/2018	31/01/2019	Students
Internship	on-the-Job training	Pranayam Constructions	08/12/2018	05/01/2019	Students
Internship	on-the-Job training	Building Paradise	08/12/2018	31/01/2019	Students
Internship	on-the-Job training	Pramoda Detailing	15/11/2018	31/01/2019	Students
Internship	on-the-Job training	Yogam Properties	11/09/2018	16/03/2019	Students
Internship	on-the-Job training	SJ Builders	08/12/2018	30/12/2018	Students
View File					

3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate

houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Here Solutions Pvt. Ltd, Bengaluru	10/12/2018	Hands on Training Programme on Creation of Maps	13
Red Hat Academy Coimbatore	15/10/2018	Workshop on LINUX OS	206
QlikTech India Pvt.Ltd.,Bangalore	28/10/2018	Free access of Qlik Sense Desktop Software.	10
Tableau Software, New Delhi	08/11/2018	Free access of Tableau software Services	9
ICT Academy	17/07/2018	Periodical Faculty Development Program	50
CTRL PLUZ.com	08/08/2018	Expert knowledge sharing, Career guidance,	44
ARG Technologies, Coimbatore	06/09/2018	Expert knowledge sharing, Career guidance,	27
Eye soft Solutions	18/07/2018	Seminar Workshop	22
SMINT TIQ Pvt. Ltd., Chennai	10/09/2018	Seminar/Guest Lecture	25
MRK Chemical industries, Coimbatore.	19/11/2018	Guest Lecture Industrial Visit	50

[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
682.74	620.67

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	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing

No file uploaded.

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 partially)	Version	Year of automation
KCELMS	Fully	3.0	2015

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	43984	10918413	1369	545317	45353	11463730
Reference Books	1932	836794	49	47381	1981	884175
e-Books	980	13570	134	13570	1114	27140
Journals	266	460477	2	6000	268	466477
e-Journals	196	540364	5000	70992	5196	611356
CD & Video	3565	0	57	0	3622	0
Weeding (hard & soft)	156	25581	6	1465	162	27046
Others (specify)	6567	0	854	0	7421	0

[View File](#)

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
Faculty members of Mechanical Engineering Department	Manufacturing Processes	Google Classroom	28/06/2018
Faculty members of Mechanical Engineering Department	Applied Mechanics	Google Classroom	28/06/2018
Faculty members of Mechanical Engineering Department	Heat and Mass Transfer	Google Classroom	28/06/2018
Faculty members of Mechanical Engineering Department	Dynamics of Machinery	Google Classroom	28/06/2018
Faculty members of Mechanical Engineering Department	Kinematics of Machinery	Google Classroom	28/06/2018
Faculty members of	Strength of	Google Classroom	28/06/2018

Mechanical Engineering Department	Materials		
Faculty members of Mechanical Engineering Department	Finite Element Method	Google Classroom	28/06/2018
Faculty members of Mechanical Engineering Department	Gas Dynamics and Jet Propulsion	Google Classroom	28/06/2018
Faculty members of Mechanical Engineering Department	Engineering Thermodynamics	Google Classroom	28/06/2018
Faculty members of Mechanical Engineering Department	Manufacturing Processes	Google Classroom	28/06/2018
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	1922	29	200	1	8	11	237	200	60
Added	0	0	0	0	0	0	0	0	0
Total	1922	29	200	1	8	11	237	200	60

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

200 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
Google Classroom	https://kce.ac.in/new/wp-content/uploads/2020/06/Facility-for-e-content.pdf

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
695.32	632.11	506.1	460.09

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)

The entire physical, academic and support facilities in the campus are maintained and serviced by a team of employees coming under the Estate Department. The same is headed by a manager (administration). He is supported by section-wise field level in-charges. These support services are broadly classified as under: • Civil maintenance • Electrical maintenance including solar power, captive power • Water support, sewage and STP • Plumbing and RO facilities • Carpentry • Central computing facility (CCF) • Housekeeping, cleanliness • Gardening, landscaping and ambience • Security (24X7) and safety aspects. Each of the above divisions is given well-defined work schedule and they are regular in the up-keep, running, and maintenance of the above facilities. Further qualified personnel oversee the sections' working to ensure trouble-free service availability. The institution which is functioning in a rural area has the locational advantage in getting suitable employees to work especially, in horticulture, conservation and housekeeping work. Thus rural employment too is created. Budgetary support: At the beginning of academic year, division wise budgetary provisions are made based on the past records for these services. This may involve employee cost, consumables, stock purchases. The entire finance requirement is met from own sources. The finance committee for the institution approves the budgetary requirements. The book of accounts is audited regularly and certified by auditors every year before filing the returns to Income Tax Authorities. Utilizing the facilities: While preventive maintenance is periodically undertaken by the individual sections. Break-down / out of service requirements are availed by the respective departments by initiating a 'service note'. Normally the head of the relevant department will forward such request to the Estate department. The Principal periodically verifies the efficiency and effective working of these divisions. Impediments, if any shall get resolved in consultation with the management. Administrative, academic audit (external) is also undertaken in order to bring the quality improvements in their functioning. The campus wi-fi facilities, PCs, LAN, printers, UPS, etc. are coming under the purview of Central Computing Facility (CCF). Centralized facilities such as auditorium meeting halls, placement centre are under the management of a Dean. Gymnasium, indoor game facilities are monitored by the physical director and the central library is administered by the librarian with his team. Well laid out guidelines are available in the institutes' Academic Administrative Audit manual.

https://kce.ac.in/new/wp-content/uploads/2020/03/KCE_Policies_Rules-Last-amended-on-August-2019.pdf

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	Financial Support from institution	14	496500
Financial Support from Other Sources			
a) National	Scholarship grant by the Government of TN	2653	46297045
b) International	NIL	0	0
View File			

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	Date of implemetation	Number of students	Agencies involved
------------------------	-----------------------	--------------------	-------------------

enhancement scheme		enrolled	
Aptitude Training	07/07/2018	2128	SIX Phrase, Coimbatore
Soft Skill development	07/07/2018	1090	Aspiring Minds, Bangalore
Soft Skill development	28/07/2018	103	The Gate Academy, Coimbatore
Soft Skill development	04/09/2018	1095	Aspiring Minds, Coimbatore
Soft Skill development	05/09/2018	352	Aspiring Minds, Coimbatore
Soft Skill development	07/02/2019	1048	ZOHO Creators
Soft Skill development	18/03/2019	1051	Strides Academy, Chennai
Soft Skill development	21/03/2019	1033	Strides Academy, Chennai
Soft Skill development	27/03/2019	210	Infosys Campus Connect
Soft Skill development	15/05/2019	1033	SIX Phrase, Coimbatore
View File			

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
2018	Higher Education Awareness Programme	80	542	4	315
2018	GATE Training Class	78	193	5	184
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
4	4	3

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of	Number of	Number of	Name of	Number of	Number of

organizations visited	students participated	stduents placed	organizations visited	students participated	stduents placed
Cognizant Technology Solutions	484	175	Tata Consultancy Services	484	13
View File					

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	1	BE	CSE	University of Paderborn, Germany	M.CSc
2019	1	BE	CSE	Volgenau School of Engineering at George Mason University	Master of Science in Data Analytics Engineering
2019	1	BE	CSE	Government College of Engineering, Tirunelveli	ME
2019	1	BE	CSE	PSG College of Technology, Coimbatore	ME
2019	1	BE	CSE	Anna University, Chennai	MBA
2019	1	BE	CSE	Sri Krishna College of Technology, Coimbatore	MBA
2019	1	BE	ECE	Swinburne University, Australia	MBA
2019	1	BE	ECE	Chemnitz University of Technologies	MS
2019	1	BE	ECE	SKCET, Coimbatore	ME
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
GATE	5

TOFEL	1
Any Other	8
No file uploaded.	

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

Activity	Level	Number of Participants
Talenda'19	National	108
Cineciafest '19	National	335
Dhuruva'19	National	1728
Anna University Chennai Zone 10 Ball Badminton men Tournament	State	130
No file uploaded.		

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
2018	Indo Nepal Youth Futsal Championship	International	1	0	16T106	G. ASHWIN RAJ
2018	19th National Senior 7-A Side Football Championship	National	1	0	16T106	G. ASHWIN RAJ
View File						

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

KCE encourages student's representation in both academic and administrative bodies for the effective functioning of the institution on the whole. The student's representatives are nominated by the institution for various committees. The representatives are broadly identified by the following criterias. Performance in the academic activities, cordial relationship with the students, active membership in various committees and recommendation from the head of the department. Students represent in the following academic and administrative bodies of the campus.

- Class Committee
- Common Course Committee
- As office bearers in department associations
- As student nominee in IQAC
- As student nominee in quality circle
- Member in Anti Ragging Committee
- Mess Committee

Students in the class committee and common course committee represent their class and provide the feedback about the academic matters in terms of progress of the course work, difficulty as observed by their classmates, feedback on faculty handling the course. As office bearers in department level, they organize technical and non-technical events with the guidance of the faculty coordinator. As a member in IQAC, he/she provides suggestions / improvement measures in quality related inputs. As a member in

mess committee, they represent their hostel mates on the feedback and variation in food menu, room facilities, up keeping the facilities provided in the hostel.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

• Karpagam College of Engineering has a registered Alumni Association under the Tamil Nadu Societies Registration Act, 1975 (Tamil Nadu Act 27 of 1975) which is registered on 31st December 2015. • KCE Alumni Association was formed with an objective to maintain interactive, purposeful and live contact between alumni and Alma Mater. The purpose of having a proactive alumni association is two way process. For the students of the institution they act as guide, advisor in motivating the students to reach their professional goal. As a reciprocal gesture, the institution has taken an initiative to recognize the Alumni and award them as icons of KCE in three categories namely, 1. Societal Impact Award 2. Professional Excellence Award 3. Dynamic Entrepreneur Award The following programs are organized in the institution with the active participation of alumni Alumni Mentor Programme As an alumni mentor, they will have the opportunity to provide student(s) academic guidance as well as career and personal development advice. The alumni share their professional and personal experience and expertise with current students. Alumni Mock Interview Alumni extend their support to their juniors through the Mock interviews organized by the placement cell. They guide the students to groom their skills and present themselves with confidence to the recruiter. Alumni Interactions Alumni are invited to the campus to interact with students in their department on Saturdays and create awareness about the recent advancements in the industrial scenario and the expectations of the Recruiters.

5.4.2 – No. of registered Alumni:

1075

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

537500

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni meet is held every year in the campus and at various chapters during which alumni share their experiences with their juniors. A family get-together of alumni with cultural is also organised on that day Alumni Mentor Programme As an alumni mentor, they will have the opportunity to provide student(s) academic guidance as well as career and personal development advice. The alumni share their professional and personal experience and expertise with current students. Alumni Mock Interview Alumni extend their support to their juniors through the Mock interviews organized by the placement cell. They guide the students to groom their skills and present themselves with confidence to the recruiter. Alumni Interactions Alumni are invited to the campus to interact with students in their department on Saturdays and create awareness about the recent advancements in the industrial scenario and the expectations of the Recruiters.

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)

The institution has delegation of authority at various levels to provide

functional autonomy. The Governing Council is the apex body and the delegation percolates down to various functional heads. Policy level: The institution is administered by the Governing Council. The Managing Trustee is the Chairman of the Governing Council, and the Principal is the Member Secretary who coordinates all the activities. The Governing Council has faculty representation through two senior professors, having long tenure of service in the institution nominated as members. Policy matters, be it infrastructure augmentation, investment in the laboratories, introduction of new programmes and financial policy are dealt in a participative manner. This decentralization from the top management helps in active participation besides a sense of belonging in the development of the institution. Each department functions as a subunit in deciding and implementing the student centric programmes and activities. All the Departments have functional autonomy. Each Department is having Class Committee for academic needs. The HODs discuss the department level matters with the faculty members in the Department. Meetings are held regularly with the faculty to bring out the best in them. In addition, meetings with Heads of Departments Chaired by the Principal and meeting of the Principal with the faculty at regular intervals reflect participative management. Such meetings provide a platform for open discussion and encourage the involvement of the faculty for improvement and efficiency of the institutional progress. IQAC, the extended arm of NAAC for quality sustenance has representatives from the students, administrative officials, faculty members at different cadre levels nominated in the team involve in the administrative and academic processes. Significant achievement of quality is ensured by active involvement of all stakeholders. Further, various in-house committees like Committee for SC/ST, Grievance Redressal Committee, Internal Complaint Committee, Women Development Cell, Anti-Ragging Committee, Prevention of Sexual Harassment Cell and Gender Equity Committee are having nominees from students and faculty. Financial Level: The effective functioning of the institution is ensured through transparent decision making. The Principal is supported by the Deans, Controller of Examinations and Heads of the Departments in the administration of the institution. A number of events are regularly organised in the institution and participated extensively by the faculty and students for which the expenses of varying measure are incurred. In order to facilitate faster approval, provision for the expenses by up-front / reimbursement, the institution has a policy framework on delegation at different levels. The financial committee in the meeting held on 25.06.2014 discussed at length about capital investment, recurring expenditure, maintenance expenses and provision for conducting events of academic nature such as seminars, workshop and decided to enhance the financial expenditure limits allowed as follows: Principal Rs.25,000/. Vice Principal Rs.10,000/. HODs Rs.1000/. However the budget approval is vested with the governing council and the approval of expenditure is as mentioned above.

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
Industry Interaction / Collaboration	<ul style="list-style-type: none"> • In the academic bodies like Board of Studies (BoS), Academic Council experts from industry are members • Inputs from industry are utilized in devising the curriculum and syllabi. • Invited lectures are offered by industrial experts for selected topics of a

course. • MoUs are signed with industries for setting up of Centres of Excellence, for the faculty internship, students visit and internship.

Human Resource Management

- Faculty members are permitted to attend orientation programmes, Seminars, Workshops and refresher courses to have more contacts with the outside world
- Faculty are encouraged to Organise Seminars, workshops and FDPs in the Institution to improvise their academic skills
- Regular workshops are conducted for non-teaching staff for their skill up gradation
- The faculty members are encouraged to act as resource persons, doctoral committee members, examiners for viva voce etc.
- Faculty members publishing papers in journals, Completing NPTEL/Online certifications, creating online course contents for smart classes are suitably rewarded by the institution.

Research and Development

- In order to improve the culture of Research and Development in the institution, various activities are organised regularly on writing quality journal papers, writing funding proposals, product development and applying for patents.
- Establishing formal and informal linkages with reputed research Institutions
- Department level research committee has been constituted and periodic meetings are conducted to review the research progress.
- Seed money assistance is provided by the management to carry out basic research
- Local industries are approached for consultancy/ research projects
- Faculty are motivated to apply and seek funds from various Government agencies for research activities
- Management encourages by providing career advancement/ incentives for getting research funds and qualification up-gradation.

Examination and Evaluation

As the learning is a continuous process, the evaluation is carried out in two stages viz. Continuous Internal Assessment (CIA) and End Semester Examinations (ESE) each carrying 50 weightage. To test the higher order thinking skills of students the question papers are set employing the concept of 'Blooms Taxonomy'. In order to enhance the analytical skills of students and enable them to face

competitive examinations, the question paper are set with 20 of questions from GATE/ other competitive examinations. To improve the practical knowledge of the students the other modes of evaluation like mini project, quiz, presentations, etc. are also followed in the institution.

Teaching and Learning

The major stakeholder of Teaching and Learning process is the students. Instead of teaching "tailor made" group of courses, Choice Based Credit System is introduced as a student centric methodology for selection of courses of their choice. Based on the pace of learning of the students, it is permitted to register for the number of courses to obtain the required credits in a semester. Further fast learners are allowed to get online credits. Vacation courses are also offered to make up for the credit requirements. In order to plan and implement the process of moulding the graduates for needs of the Nation/ Industry, Outcome Based Education (OBE) has been introduced and to improve the standard of evaluation, the concept of 'Blooms Taxonomy' is followed. For better pedagogy ICT based teaching, smart classrooms, video lectures, MOOCs and Webinars have been included. Industry experts are invited for the partial delivery of the course to expose the students to the industrial practice. The students are also encouraged to enrol for various online courses available through SWAYAM and NPTEL. The learning outcomes are measured separately according to the graduate attributes of the programme..

Curriculum Development

Development of a creative curriculum that is versatile, sensitive to and widely suitable to the needs of the learners is framed taking suggestions from all major stake holders. The curriculum is designed with in-depth emphasis on fundamentals that seamlessly combines theory, practice, self-study and creative learning. Addition of courses for creative, analytical and technical aspects of engineering which provide global competitiveness is aimed at. The conducive environment of teaching and learning nurtures the qualities of leadership, teamwork and professional ethics. The curriculum also emphasises

application, product development and testing. An advisory committee is constituted that regularly reviews and provides recommendations for the development of the curriculum. During the curriculum design, the input from stakeholders namely Employer, Alumni and industrial inputs are also taken to meet the industrial demand and employer expectation

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

E-governance area	Details
Administration	The ERP has various module for managing admission, timetable preparation, course enrolments, examinations, placement management, hostel management, Library Automation system and fee collection.
Finance and Accounts	There is a specialised system of software for maintenance of account. The features of the software include Complete book keeping that includes accounting, inventory management and payroll preparation. Transactions are tallied on a daily basis and the end of the year audited by external auditors for filing Income tax returns for the institution.
Student Admission and Support	The Admission is carried under single window system/ Management quota. After the admission process, the database maintenance of the students admitted in the institution is using the ERP module. The progress and performance data of all the student is available in the module. Generation of reports on the performance and attendance of the students is obtained using the module. Students assistance/ scholarships data is also available in the module. Students attendance report is maintained using the module.
Examination	Processing of application and hall ticket generation for the End Semester Examinations. Generation of Barcodes (dummy numbers) for evaluation of answer scripts. Generation of reports for the result passing board and online declaration of results. Generation of Grade sheets

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	Dhivya K	NPTEL ONLINE CERTIFICATION . Design of reinforced concrete structures	NPTEL SWAYAM	2000
2018	Manojsuburam R	NPTEL ONLINE CERTIFICATION . Hydration, Porosity Strength of Cementitious Materials	NPTEL SWAYAM	1300
2018	Manojsuburam R	NPTEL ONLINE CERTIFICATION . Fire Protection, Services and Maintenance Management of Building	NPTEL SWAYAM	1000
2018	Prasannan D	NPTEL ONLINE CERTIFICATION. Soil Mechanics / Geotechnical Engineering I	NPTEL SWAYAM	1300
2018	Mohanraj N	NPTEL ONLINE CERTIFICATION . Soil Mechanics / Geotechnical Engineering I	NPTEL SWAYAM	1350
2018	Mohanraj N	NPTEL ONLINE CERTIFICATION . Matrix Method of Structural Analysis	NPTEL SWAYAM	1500
2018	Dr.A.Gopalan	NPTEL ONLINE CERTIFICATION . Design of reinforced concrete structures	NPTEL SWAYAM	2000
2018	Dr.A.Gopalan	NPTEL ONLINE CERTIFICATION . Hydration, Porosity Strength of Cementitious Materials	NPTEL SWAYAM	1300
2018	K.Aravinth	SAE EFFICYCLE	SAE	1100

2018	Dr. S Manoharan	Membership Fee for professional body	Institution of Engineers	10000
View File				

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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	One week training programme on Effective Laboratory Teaching	NIL	04/06/2018	09/06/2018	21	0
2018	FDP on Theory of Computation. FDP	NIL	04/06/2018	10/06/2018	10	0
2018	FDP on lab embedded courses for computer science I	NIL	04/06/2018	23/06/2018	23	0
2018	FDP on Soft Skills Program . Infosys	NIL	11/06/2018	13/06/2018	34	0
2018	Refresher course on Geotechnical Engineering Laboratory	NIL	11/06/2018	16/06/2018	3	0
2018	Workshop on VLSI Front and Back End Design. ASIC, SOC and SDRAM Design Process,	NIL	20/07/2018	27/07/2018	30	0
2018	one week short term	NIL	25/07/2018	30/07/2018	25	0

	course on Efficient VLSI Architectures for Digital Signal Processing,					
2018	Two Days National Seminar on Research Trends on Smart Waste Management System for Batteries,	NIL	23/08/2018	25/08/2018	34	0
2018	One week national level FDP on Development of renewable Energy Sources for Rural Electrification	NIL	10/09/2018	16/09/2018	18	0
2018	FDP on Introduction to Python Programming	NIL	17/09/2018	18/09/2018	12	0

[View File](#)

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
STTP on mobile application development	1	04/06/2018	07/06/2018	4
ICMR Sponsored National Workshop on Artificial Intelligent Techniques and its Application in Medical Diagnosis	2	04/06/2018	10/06/2018	7
Anna University	3	04/06/2018	10/06/2018	7

sponsored Faculty Development training program on ME6701.Power Plant Engineering				
FDP on Theory of Computation	9	04/06/2018	10/06/2018	7
Faculty orientation programme for the new faculties	88	07/06/2018	08/06/2018	2
FDP on Infosys.soft skills	8	11/06/2018	13/06/2018	3
FDP on Facilitation skills conducted by Infosys	34	11/06/2018	13/06/2018	3
National Workshop on Hands on Training on Processing of Bio signals using MATLAB	8	11/06/2018	13/06/2018	3
AICTE .ISTE Sponsored induction/refresher programme on Recent technologies adopted in industries for health, care, defence and space applications.	1	11/06/2018	16/06/2018	6
AICTE.ISTE approved Induction/Refresher programme on Low Cost Automation for Agricultural Enhancement using MEMS	4	18/06/2018	23/06/2018	6

[View File](#)

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
88	88	35	35

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Free medical facility, group insurance, Subsidised hostel accommodation and subsidised Transportation facilities	Free medical facility, group insurance, Subsidised hostel accommodation and subsidised Transportation facilities	Free medical facility, Recreational facilities, Scholarships offered by the institution, Assistance for getting government and Non-Government scholarships, Group Insurance

6.4 – Financial Management and Resource Mobilization

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

The institution is self-financed and the management is by the Governing council. The institution is started by M/S Karpagam Charity Trust having Dr.R.Vasanthakumar as the chairman. Overall the trust administers the institution and looks after the financial matters. The institution has a system for internal audit and accounts. External audit as per the statutory requirements is regularly carried out and returns submitted to Income-tax authority every year. During 2018-19, M/S Rajan Sankar and Co are the external auditor appointed and the finalisation of accounts done as per norms.

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
M/S Society for Engineering Education Enrichment (SEEE)	10000	Workshop
View File		

6.4.3 – Total corpus fund generated

10.10

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	Team of Academic Experts	Yes	IQAC
Administrative	Yes	External Expert	Yes	IQAC

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

1. Active Participation in IQAC meeting 2. Two way interaction on the academic performance of students and motivate them for improvements 3. Parents are periodically appraised on the developmental activities undertaken in the institution thereby they are the "brand ambassadors" of the institution.

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

- Technical training program for lab assistants and technicians
- Computer Training program for administrative staff and lab technicians
- First aid and fire Safety Training for all lab supporting staff
- Orientation programme for security and conservancy staff

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

- NBA Accreditation for five programmes obtained.
- 100 percent implementation of Choice Based Credit System
- 100 percent implementation of Outcome-Based Education for all the programmes
- Introduction of the internship course in line with AICTE Guidelines

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	Workshop on "New age Mentoring and attending Skills for the Faculty on the Psychological Standpoint"	18/05/2018	18/05/2018	18/05/2018	75
2018	Workshop on Usage of Blooms Taxonomy in Question Paper Setting	08/06/2018	08/06/2018	08/06/2018	100
2018	Orientation programme on mapping of CO and PO attainment	30/07/2018	30/07/2018	30/07/2018	313
2019	Workshop on "Challenges in Teaching the diversified student community"	17/05/2019	17/05/2019	17/05/2019	75
2019	Research Article Preparation	18/01/2019	18/01/2019	18/01/2019	313

2019	Leadership quality and Performance Improvement program	15/04/2019	15/04/2019	17/04/2019	14
2019	Workshop on Formation of course outcome	22/05/2019	22/05/2019	22/05/2019	313

[View File](#)

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
Awareness program on Women Safety and Well Being	08/10/2018	08/10/2018	190	0
Women's Day Celebrations'19	08/03/2019	08/03/2019	175	0

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
50 KW Grid Connected Roof Top Solar PV Power Plant: Solar Power system with a capacity of 50 KW is used for lights, fans, machineries in the campus and Hostel. The number of solar PV panels involved in this plant is 150 and each 4 V (Open Circuit Voltage), 9.05 A (Short Circuit Current), 16.49 (Module Efficiency), -45°C to 85°C (Operating Temperature). An energy audit has been initiated and measures are being taken to increase the harvesting of solar energy on campus. Also, Solar Power Generation is being encouraged by the government that cover buy-back, wheeling and banking of the produced electricity in the state. Total Electricity consumption for the year 2019 1585540 Kwhr Amount of Electricity generated through solar power for the year 2019 68788 Total percentage of power met through solar power plant 4.33

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	10
Provision for lift	Yes	10
Scribes for examination	Yes	10
Ramp/Rails	Yes	10
Rest Rooms	Yes	10
Special skill development for differently abled students	Yes	2

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	0	1	11/06/2018	1	Employment Opportunities	The culture and tradition limits the travel of women to long distance for work is addressed by providing employment in the institution in different cadre based on their qualification	40
2018	1	0	12/08/2018	1	Education outreach Program	Being in the rural location, the Lack of computer skill is addressed .	14
2018	1	0	20/08/2018	2	Wiring and Winding training	Train the participant on wiring and winding of motors	2
2018	0	1	17/12/2018	2	Self Employment opportunity	Training such as tailoring, Art and craft are provided to the	2

improve
their
lifestyle

No file uploaded.

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Policies, Rules and Regulations	01/06/2018	The handbook provide complete information from admission, rules for discipline, welfare committee, faculty and staff recruitment, promotional policies, code of professional ethics. It is available in the institution website https://kce.ac.in/new/wp-content/uploads/2020/03/KCE_Policies_Rules-Last-amended-on-August-2019.pdf
Academic Calendar	01/06/2018	The academic calendar is prepared by the institution listing the events planned in advance before the commencement of the academic year and is provided to all students and hosted in the college website. Dates for continuous internal assessment (CIA), conferences, commencement dates of practical and end semester examination, list of holidays, student's feedback dates etc. is printed.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Yoga Day	21/06/2018	21/06/2018	275
Kargil Day	26/06/2018	26/06/2018	300
Grameeya santhai	27/07/2018	27/07/2018	550
Independence Day	15/08/2018	15/08/2018	700
Teacher Day	05/09/2018	05/09/2018	356
Engineers Day	15/09/2018	15/09/2018	550
Republic Day	26/01/2019	26/01/2019	680
Science Day	28/02/2019	28/02/2019	540

World Environment Day	05/06/2018	05/06/2018	320
Indian Constitution day	26/11/2018	26/11/2018	125
View File			

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Growing of plants and trees (both perennial and seasonal) in the campus extensively
- Use of organic manures and fertilizers for gardening.
- Treatment of waste water through a Sewage Water Treatment plant with a capacity of 5,00,000 LPD and using it for gardening.
- Installation of Power Saving LED lights of 355 numbers for both indoor/ outdoor use.
- Extensive Landscaping
- Maintaining a litter/ plastic pollution free campus
- Functional ECO Club
- Campus-wide Rain Water Harvesting
- Observation of World Environment Day for awareness creation/ planting of saplings

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice - 1: Title of the practice: 360° feedback Goal: The aim is to have a periodic and wider system of feedback in the institution to analyse, consolidate, obtain orders and act upon on all practices. The Context: The knowledge about the role, relevance, impact and success of a particular policy decision for quality assurance and enhancement were the main contextual features and issues that had to be addressed by designing and implementing an effective feedback system. In this context, the institution devised "feedback formats" keeping in view of the many objectives to be achieved. The Practice: Following are the feedbacks that are regularly obtained

- Student feedback on Teaching.
- Course End Survey
- Student Satisfaction Survey
- Exit Survey
- Alumni Feedback
- Employer Survey
- Parent Survey

Evidence of Success: The implementation of this practice of getting feedback from different stakeholders and acting on it form the basis developing future plans and strategy. All these feedbacks, especially students feedback, Alumni survey, Employer survey have proved to be very effective for revision of curriculum/ syllabus. This system provides a comprehensive and pool of observations about the degree of success of various policy measures and initiatives taken by the institution. General amenities like standard of food court service have improved, quality of food served in the mess have improved, etc. Problems encountered and Resources required: The different aspirations and expectations of stakeholders are complex. However, the institution tries to make the maximum use of the observations made by stakeholders to arrive at some of the major parameters required for successful transformation. After the accreditation, the institution has made significant strides which had a substantial impact on its functioning. It is now in practice to obtain feedback online, wherein the consolidation and preparation of analysis report will be easier by avoiding a lot of paper work and stationary. Dedicated system to obtain feedback and the efforts involved are enormous as the developments are fast in the academic and environmental scenario.

Practice - II Title of the Practice Academic and Administrative Audit Objectives of the Practice The main goal is to make the teaching, learning and evaluation (TLE) a fruitful experience for the faculty and students to ensure effective course delivery and teaching methodology for the students. The Context The effectiveness of the TLE is assessed by auditing the course Files, Attendance and Assessment Record, CIA test question papers, answer keys for the question papers and sample answer scripts. The process will also find the gap between the standards set and the performance. The deviations which are observed will be set right concurrently in the TLE process. The Practice A team consisting of the faculty with domain specific knowledge for

all the programmes is identified for auditing. At the end of every CIA each faculty submits the course file, course materials, question papers, keys for the question papers, Scheme of evaluation, result analysis and answer scripts for auditing. The auditors make an assessment of the above to identify the following.

- Whether the course delivery covered all the topics in the syllabus
- Whether the question papers cover the entire portion and whether they meet the quality standards of Blooms Taxonomy
- Whether the answer keys prepared are standard
- Whether the evaluation of the answer scripts has been done fairly

Based on the above, all the faculty members are provided with the feedback about their course containing shortcomings, deviations in the course delivery and evaluation. Faculty members are required to give their compliance report based on the feedback. All these are discussed in the audit feedback meeting convened by the Principal with HoDs and Audit Team Head. Remedial action is taken concurrently on the deviations brought out. Evidence of Success

- Improved academic performance by the students in learning process.
- Improvement in the quality of CIA question papers and evaluation in the successive audit reports.
- Effective OBE implementation for all the programmes.

Problems Encountered and Resources Required

- The process of auditing, analysing the reports, preparing the feedback and analysing the compliance reports is time consuming and a laborious process.
- Dealing with non-compliance of the feedback on the faculty given by the IAA Team.
- Stakeholder's indifference as an intrusion.
- Identification of committed, impartial with requisite knowledge level of auditors

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

<https://kce.ac.in/internal-quality-assurance-cell-igac/>

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

Distinctive Area: Training and Placement Weblink: <http://kce.ac.in/placement-training/overview/> The Institution has made a remarkable growth in placements in the last decade by a strong and dynamic Training and Placement Cell. It is catering to the needs of industry by ensuring that the students meet the desired skill set level. The placement office support the Team of HR form the industry to conduct the pre-placement talk, written test, Group Discussion and interview in effective manner. The placement cell takes effort in guiding the students for their successful career. The institution has active MoUs Centers of Excellence with various industries. The institution is visited by various Multinational companies year after year for placements and hence the college had a blistering placement record. The process of training and placement begins from the first year where the students are oriented about the requirements and expectations of the industry. The students are explained about different streams of opportunities like IT service jobs, IT product jobs, and core engineering jobs. The students are also explained about the training activities which will be planned for their batch like English, Aptitude and Technical components. During the second year, the focus is on the development of the proficiency in communicative skills (Both written and oral) and in the programming practices. As there is plenty of opportunities that are available in IT and ITES streams, the students are given special attention to refresh their computer programming skills. As this is an extensive activity, the students are given training after the regular classes. The industry need programming areas like C programming, OOPs, Data Structures, Algorithms, DBMS, Operating Systems and Networks are refreshed through the training. A series of practice and assessment tests are conducted for both aptitude and programming and the performance of the students are continuously monitored. Steps in

conducting a placement drive. • The placement cell contacts various companies and invites them for the recruitment drive. • The placement cell is approached by the companies in response to the invitation and the details of the final year students are shared as per the requirement of the companies and the dates for placement drive are finalised with mutual convenience. • On the day of placement drive, the necessary arrangements for the pre-placement talk, written test, online test, Group Discussion and Interview are arranged at campus. • After various short listing stages, the students are finally interviewed and the list of shortlisted candidates is shared with the placement cell. Then results are announced by the placement office. Year Total Companies Visited Total offers 2018-2019 114 969 Highlight for the year 2018 - 2019 • 80 On Campus Interviews • 34 Off Campus Interviews • 394 First Graduate Students secured Placements with 3.5 Lakhs p. a • Highest Offer of 14 Lakhs p.a • 107 Offer above 4 Lakhs p.a • 520 Offer above 3 Lakhs p.a

Provide the weblink of the institution

<https://kce.ac.in/internal-quality-assurance-cell-igac/>

8.Future Plans of Actions for Next Academic Year

The institutional strategic Plan for the next academic year (2019-20) is prepared by a series of discussions involving the various stake holders of the institute. It starts with the collection of the feedback from various stake holders and discussion at the college level involving the representatives of the management, Principal, Deans, Head of the Departments. and faculty members. Many brain storming sessions are conducted. STRATEGY 1: Expanding innovative teaching-learning method like smart class rooms and campus wide availability of digital course contents. Action 1: Revision of the Curriculum and Syllabi regularly with focus towards the future industry requirements and industry suggested electives Action 2: Improving the skill sets of the faculty by motivating them to participate in more FDPs. Action 3: Developing the Digital class rooms and making the course contents available in the digital form online. (18 Smart Class rooms and 55 complete Course contents were prepared and made available online in cloud). Action 4: To formulate a well established assessment procedure for the students by including the GATE and competitive examination questions in the Question Papers. (Already 20 of questions in the question paper are in this pattern) GOAL 1: To convert all the conventional Class rooms into Digital Class rooms and make the contents of all the courses in the digital form online by 2020-21 and to use effective latest ICT tools in teaching learning. GOAL 2: To have all the students getting certified in NPTEL - SWAYAM, Coursera, Udacity etc.. and appearing for the Competitive examinations like UPSC, IES etc., STRATEGY 2: By instituting seed money assistance for incubating projects and innovative products through incubation centre. Action 1: To identify the faculty having inclination for research in core domain and provide them with the seed money for making a prototype or for proving a concept. Action 2: To create necessary research facilities for carrying out the basic research and involve the students also for basic research. GOAL 1: To improve the possibility of getting more grants from government funding agencies with the basic concepts proven. GOAL 2: To inculcate the habit of innovation in the students and motivate them to pursue their career in research. In view of the Institutions broad based action plan for the long term as mentioned above, the programme centres are motivated to prepare an Action Plan for every academic year independently. The plan 'inter alia' would prepare attainable target based plan / goal under each metrics of NAACs criterion, which shall be meticulously followed-up for successful implementation and its proper documentation.