Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**KCG COLLEGE OF TECHNOLOGY**
Name of the head of the Institution	**G.Prabhakaran**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**044-28389001**
Mobile no.	**9600075082**
Registered Email	**principal@kcgcollege.com**
Alternate Email	**director@kcgcollege.com**
Address	**KCG College of Technology, KCG Nagar, Old Mahabalipuram Road, Karapakkam, Chennai 600097**
City/Town	**Chennai**
State/UT	**Tamil Nadu**
Pincode	**600097**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr.Z.Edward Kennedy**
Phone no/Alternate Phone no.	**04428389003**
Mobile no.	**8939933031**
Registered Email	**iqac@kcgcollege.com**
Alternate Email	**jose.anand.ece@kcgcollege.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://kcgcollege.ac.in/pdf/AQAR-2018-2019.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://kcgcollege.ac.in/pdf/Academic-Calendar-2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A+**	**3.34**	**2019**	**14-Jun-2019**	**13-Jun-2024**

6. Date of Establishment of IQAC	**08-Feb-2017**

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
Buddy System	**02-Mar-2020**	**400**

			90	
Teacher adaptation for effective learning		25-Nov-2019 3		19
Quality improvement methods on Teaching Learning @ IIT Madras		04-Nov-2019 3		82
Academic Audit		15-Oct-2019 25		170
Laboratory Audit		21-Oct-2019 5		40
Class Room observation on Teaching Learning		02-Sep-2019 30		96
Preparatory Coaching for GATE & Other competitive Examinations		10-Aug-2019 16		87
Alumni Reunion 2019		14-Dec-2019 1		117

L::asset('/'),'public/').'/public/index.php/admin/get_file?file_path='.encrypt('Postacc/Special_Status/'.$instdata->upload_special_status)}}

[View Uploaded File](#)

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
Dr. Vijayaraja, Prof. & Head, Aero Dept.	Aid scheme of Aeronautics RD	Aeronautical Research and Development Board	2020 730	2158000
Dr. S. Sankar, CSE Dept	ATAL FDP	AICTE ATALAICTE ATAL	2020 5	93000
Dr R Dhanalakshmi, CSE Dept	ATAL FDP	AICTE ATAL	2020 5	93000
Dr. Deepa Jose, ECE Dept	Travel Grant Scheme	AICTE	2019 365	110333
Dr. Thulasi Bai, ECE Dept.	Spacial Data Intelligence for sustainable urban storm water management	DST/NRDMS	2019 730	3310252
Dr.P.Deiva Sundari/EEE	AQIS-RPS	AICTE	2019 1095	788000
Dr.P.Deiva Sundari/EEE	AQIS-STTP	AICTE	2019 18	300000
Dr. P. Deivasundari/EEE	AQIS-FDP	AICTE	2019 14	442000

Dr. G Prabhakaran, Prof., Mechanical Dept.	MODROPS	AICTE	2019 730	900000
Dr. Frank Vijay, Prof./IT	STTP	AICTE	2019 365	290000

View Uploaded File

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View Link
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 Uploaded 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)

- **Initiated student support mechanisms for Higher education and Competitive exams**
- **Around 60 faculty members were made familiar with Learning Managements System (LMS) through in house and external training (IIT) • The Lab audits were carried out to ensure that laboratory facility is fully utilized and laboratory classes were conducted as per the curriculum • Faculty members were encouraged to publish more papers in indexed journals and the number of publication has increased proportionately • Expert members visited the classes to help the teachers in improving Course delivery/ ICT utilizations/ Video Lecturing etc.**

View Uploaded File

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

Plan of Action	Achivements/Outcomes
Class Room observations on Teaching Learning	Class Room Observation during the Teaching Hours/Feedback and suggestions provided had improved the quality of Teaching
Central Valuation for the Internal	Internal Exam Papers are Evaluated

Examinations	Centrally/Timely updation of Marks
Preparatory Coaching for competitive Examination	Special Coaching Classes for GATE conducted/More students enrolled to write the GATE Exams
Quality Improvement in Teaching Learning Process	Quality Improvement Training on Teaching Learning was Provided/Improved the Quality in Teaching Learning Process
[View Uploaded File]()	

14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Council Meeting	30-Nov-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**23-May-2019**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2020**
Date of Submission	**25-Feb-2020**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**The institution has an ERP system which was designed keeping in mind the different operations of a college. It reduces the manual work and make ease of academic and non academic activities. It generates reports for all the modules. The data also stays secure. The college admission is managed fully by the ERP which can create the admitted student record, allotment of roll number, updating student dues and fines. It also updates the scholarship and fee concession activity. It automates the college attendance management system by managing academic calendar, course allotment, time table entry, creation of practical batches and day to day attendance entry by the faculty. It**

generates Attendance reports for faculty, students and parents, Analysis of faculty teaching, poor attendance report, Communication through SMS, letters and email to parents. It also manages the examination by marks and grade entry and generating result analysis reports. The finance department also got the management information system which keep in track of all the fees paid, dues left. Apart from this, library also automated with all searching possibilities and record of all book in the information system.

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 Institution ensures effective curriculum delivery through a well-planned and documented process • Vision, Mission, PEO, PO, PSO and Course Outcomes (CO) are well-defined and OBE is followed • Every department has a Department Advisory Board (DAB) with various stakeholders which meets every year to review and give suggestions for the next academic year • Various changes / suggestions about the curriculum are given to the University through the DAB minutes and also through the faculty members in syllabus subcommittee. • Programme Assessment Committee (PAC) comprising of senior faculty members monitors the academic activities • The institution academic schedule for each semester is prepared well in advance to meet the Anna University (AU) academic schedule strictly • Before the commencement of the semester, the course allotment is done based on faculty competency and the faculty prepares the Course Delivery Plan (CDP), lecture notes, question bank and manuals • Time table will be prepared including value added courses, training, library and project hours • Various active learning methods like project based learning, Blended learning adopted by the faculty to engage the students effectively • A good learning environment is given to the students by providing smart class rooms, Videoconferencing facilities, and NPTEL facilities to improve the effectiveness of curriculum delivery • Practical courses are given more emphasis with additional experiments beyond the syllabus • Tutorial classes are conducted for the analytical courses for enhancing their problem solving skills • Apart from Library books, Text books for all courses are issued to the students from Hindustan Book Bank every semester. • Feedback about courses are collected in order to monitor the progress in formal and informal way. Class committee meetings and online course feedback are conducted twice in a semester. Principal, Dean-Student affairs and HODs also collect feedback from students. • IQAC collects feedback from their student's representative and prompt action will be taken. • Centralised internal assessment tests are conducted by setting two sets of question papers with evaluation scheme. • Centralised Evaluation of papers by exchanging among the faculty taking the same course. • The evaluated answer sheets are given to the students and the marks are also communicated to the parents • Slow learners are identified and given more attention by conducting remedial classes • Students with good academic performance and outstanding co-curricular activities are motivated by several means especially through Innovation and Entrepreneurship Development Cell (IEDC) • Students are

encouraged to publish their project work in Conferences / Journals to stimulate the research in the young Minds • Mentoring or Counseling is done to support students to improve their performance • Industrial collaborations are encouraged through MOU's in order to expose students to the current industrial needs. Various activities are being arranged through the MOU's on regular basis • Various Centre of Excellences (CoE) and research labs pave the way to interdisciplinary projects • Regular upgradation of faculty skills is done by sending them to industrial trainings and FDPs in reputed institutes

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
KCG - Bosch JCC	NA	24/02/2020	2	Yes	Yes
Network Es sentials- Foundation Course- Introduction to Networks	NA	30/11/2020	5	Yes	Yes
Cisco Networking Academy - IOT Fundamen tals- Connecting Things	NA	30/11/2020	5	Yes	Yes
Cisco Networking Academy - IOT Fundamen tals- Connecting Things	NA	07/12/2020	5	Yes	Yes
MATLAB Cer tification- Associate (1st Level)	NA	30/11/2020	5	Yes	Yes
MATLAB Cer tification- Associate (1st Level)	NA	07/12/2020	5	Yes	Yes
Java Full Stack	NA	30/11/2020	5	Yes	Yes
Java Full Stack	NA	07/12/2020	5	Yes	Yes
Embedded World	NA	05/12/2020	2	Yes	Yes
UAV Pilot Training	NA	02/12/2019	4	Yes	Yes

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year		
Programme/Course	Programme Specialization	Dates of Introduction
BE	Aerospace Engineering	19/06/2019
BE	Mechatronics Engineering	19/06/2019
View Uploaded File		

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	Aeronautical Engineering	19/06/2019
BE	Aerospace Engineering	19/06/2019
BE	Automobile Engineering	19/06/2019
BE	Civil Engineering	19/06/2019
BE	Computer Science and Engineering	19/06/2019
BE	Electrical and Electronics	19/06/2019
BE	Electronics and Communication	19/06/2019
BE	Electronics and Instrumentation Engineering	19/06/2019
BE	Mechanical Engineering	19/06/2019
BE	Mechatronics Engineering	19/06/2019
BTech	Information Technology	19/06/2019
BTech	Fashion Technology	19/06/2019
ME	Communication Systems	19/06/2019
ME	Computer Science and Engineering	19/06/2019
ME	Engineering Design	19/06/2019
ME	Power Electronics and Drives	19/06/2019

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

	Certificate	Diploma Course
Number of Students	2050	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
3d Printing	25/06/2019	40
Industrial 3rd	25/06/2019	16

Dimension by Dassult systems		
3D Printing for Automobile and Aeronautical Engineers	25/06/2019	16
Certified Solid Works Associate (CSWA)	26/06/2019	16
Autonomous Vehicles	01/08/2019	15
Automotive Technology by Goodwin Motors	02/12/2019	14
Car Simulator	12/09/2019	14
Industrial Product Analysis using HYPERMESH Software	12/10/2019	14
Dismantle and Assemble of two wheeler vehicle	12/11/2019	14
CR Injector and Diagnosis	24/02/2020	30
View Uploaded 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	Aeronautical Engineering	42
BE	Automobile Engineering	12
BE	Civil Engineering	36
BE	Computer Science and Engineering	60
BE	Electronics and Communication Engineering	54
BE	Electrical and Electronics Engineering	42
BE	Electronics and Instrumentation Engineering	36
BE	Mechanical Engineering	66
BTech	Fashion Technology	3
BTech	Information Technology	53
View Uploaded 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
Internal feedback systems are important for the growth of every entity and as Higher Education Institutions are gradually defining new routes for greater accountability and teaching effectiveness, feedback systems provide some answers to improvement in educational outcomes. The design of a performance feedback system for Higher Education Institutions would ensure that information regarding the performance of the various key stakeholders in the institution have adequate information to help them improve upon performance. Institution improvement is the main objective for the design of this feedback system but on the other hand the issue of accountability and the promotion of Institution choice by parents, students and other cooperate bodies who wish to enroll their staff is very important. The content of the information on the school's performance would be identified as broad. Thus, Institution performance under this context would be a contextualized measure for fair comparison, adjusted to take account of the factors beyond the control of the school which is also termed as 'value added'. Another factor that would be considered would be the issue of performance under the system which would include absolute performance measures and may equally relate to non-academic outcomes such as behavioural and affective. The information that would be provided on the functioning of Higher Education Institutions would relate to organizational process measures such as resource spent, subject matter taught, the instructional method used, the structure of the organizational structure of the institution and the nature of leadership.

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
BE	Electronics and Communication Engineering	120	448	62
BE	Computer Science and Engineering	120	582	117
BE	Civil Engineering	30	300	14
BE	Automobile Engineering	30	171	19
BE	Aeronautical Engineering	60	561	47
BE	Aerospace Engineering	60	144	49
BE	Electronics and Instrumentation Engineering	30	51	7

BE	Electrical and Electronics Engineering	60	287	20
BTech	Information Technology	60	578	60
BE	Mechanical Engineering	90	540	20
View Uploaded 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	2033	17	179	12	191

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	Numberof smart classrooms	E-resources and techniques used
191	191	20	47	10	5
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)

Yes, Each faculty will be the mentor of a group of 10 to 12 students. First year students will have mentors from the department of Basic Engineering Science and second, third, fourth year students will have mentors from the parent department. Departmental faculties will continue to be mentors for the same group of students till their graduation. The group including combination of second, third and fourth year students except first year students. Responsibilities: The mentor will perform the following functions. 1. Meet the group of students at least twice in a month. 2. Continuously monitor, counsel, guide and motivate the students in all academic matters. 3. Advise students regarding choice of electives, project, summer training etc. 4. Contact parents/guardians if situation demands e.g. academic irregularities, negative behavioral changes and interpersonal relations, detrimental activities etc. 5. Advise students in their career development/professional guidance. 6. Keep contact with the students even after their graduation. 7. Intimate HOD and suggest if any administrative action is called for. 8. Maintain a detail progressive record of the student (format attached). 9. Maintain a brief but clear record of all discussions with students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2050	191	1:11

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

180	191	0	22	56

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
2020	Dr K Vijaya Raja	Professor	Best Professor and Head, from AeSI Chennai branch
2019	Dr. T. Mothilal	Professor	NPTEL Enthusiast Star Award
2019	Dr. T. Mothilal	Professor	Elite Silver Category Certificate for NPTEL Courses
2020	Dr.S Cloudin	Associate Professor	IET Volunteer Core Values Award 2020 - Teamwork Award
2019	Ms.Minu Susan Jacob	Assistant Professor	Inspiring Faculty Award 2019 December- Campus Connect
2019	Dr. M Krishnamurthy	Professor	IET Smart City Challenge
2019	Dr. BALAJI A	Assistant Professor	Inspiring Faculty Award 2019 December- Campus Connect
2020	Humaira Begum I	Assistant Professor	Mentor Award and Best title paper award for the inter collegiate symposium
2020	Dhanalakshmi R	Professor	Best Project Award - Mentor
2019	Dr. T. Anuradha	Professor	Best Professor in Electrical Engineering Studies

[View Uploaded 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	110	II / I	27/03/2020	17/08/2020
BE	101	II, IV, VI, VIII / I, II,	27/03/2020	17/08/2020

		III, IV		
BE	102	II, IV / I, II	27/03/2020	17/08/2020
BE	103	II, IV, VI, VIII / I, II, III, IV	27/03/2020	17/08/2020
BE	104	II, IV, VI, VIII / I, II, III, IV	27/03/2020	17/08/2020
BE	106	II, IV, VI, VIII / I, II, III, IV	27/03/2020	17/08/2020
BE	107	II, IV, VI, VIII / I, II, III, IV	27/03/2020	17/08/2020
BE	105	II, IV, VI, VIII / I, II, III, IV	27/03/2020	17/08/2020
BTech	205	II, IV, VI, VIII / I, II, III, IV	27/03/2020	17/08/2020
BE	114	II, IV, VI, VIII / I, II, III, IV	27/03/2020	17/08/2020
[View Uploaded File]()				

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The institution is affiliated to Anna University, Chennai and the process of evaluation is followed as per the University guidelines. The quality of engineering education is the direct outcome of knowledge implanted and evaluated through formal examination. The education process in any discipline of learning ends with examinations. The entire effort put in by the teachers on teaching and the student on learning is centered on getting good level of success rate in the examinations. The objectives of the internal assessment tests are to • Expose the students to continuous evaluation and also focus on practice through learning methodologies. • Emphasize on students to perform consistently and not study in a sporadic manner. ? Process of Internal Tests Question Papers Setting • The Exam Cell will coordinate all the activities related to the conduct of Internal Assessment Tests. • The Department has Test Coordinator to facilitate the examination process in a smooth and efficient manner. • Question Papers for internal assessments are prepared by keeping Bloom's Taxonomy Levels as reference. • Two sets of question papers along with answer keys are collected for each course. The question papers are checked for the CO coverage and knowledge level by the Program Assessment Committee (PAC) and approved by the HoD. • The Exam Cell randomly. • Unit test 3 covering two marks of all the units is conducted atthe end of the semester to test the students' conceptual knowledge and make them confident. Criteria for Evaluation • All the answer scripts are evaluated and checked by PAC. Evaluation of internal assessment is rated based on the Bloom's Taxonomy Level and the CO, PO and PSO to which it corresponds. Depending upon that, the CO attainment and corresponding attainment of PO and PSO for the respective course are analyzed and appropriate actions are suggested and implemented. • The corrected answer scripts are distributed to students by the faculty as per the schedule and the solutions for questions are discussed with the students inside the classroom. •

Marks are entered in the college database for future reference and also in counseling records to analyze their performance regularly. • Result analysis is done for all the classes in the department and necessary action will be taken to improve the pass percentage like conducting retest for failed students, providing regular counseling. • Internal Marks are calculated by the University for each student based on their performance in the internal assessment. • The university exam question paper will be discussed with the students and feedback will be conveyed to the University based on the needs. ? Assignments Assignment is a type of reflective learning activity in which the students' level of understanding about the course is conveyed to the faculty. The assignments are focused on developing the writing, interpersonal and collaborative skills of the students. Hence, the continuous assessment of the students through assignments will enhance their higher level thinking.

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

Academic year starts on the date 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. The institution academic calendar for each semester is designed to meet the university academic schedule. Allotment of Courses and Preparation of Time Table • Before the commencement of the semester, the time-table coordinator circulates the course option form which has details of faculty competency to each faculty member. Based on that, the HoD will allot appropriate courses to all the faculty. • Based on the course allocation, the time table coordinator will frame the time table. • For the interdisciplinary courses, the respective departments will be requested through proper channel to handle the respective courses. • In addition, value added courses are also conducted to enhance the knowledge, bridge the gap in the curriculum and to meet the Industry expectations. • Slow learners are closely monitored and in addition to the regular classes, week end classes are being handled to cater to their needs. • Bright students are motivated to score high grades and to secure university ranks. The Head of the Department circulates the template of the course delivery plan upon instruction from the Principal. Based on the academic schedule given by the University, the CDP is prepared by the course handlers and approved by the course coordinator. All the CDPs will be then submitted to the HoD for approval. Every course has five units as prescribed by the Anna University curriculum. During the semester, after every planned unit completion, a 'Lesson Plan Follow Up' format is circulated to all the faculty and will be asked to fill the status of completion of the Unit. The HoD reviews the lesson plan follow up format. If any discrepancy is found in completion, the HoD will discuss the matter with the individual faculty. The lesson plan follow up format is then submitted for Principal's review. There is an academic counsellor appointed by the Principal/HOD for each year of the program who monitors the day- to- day conduct of the lectures based on the time table.

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://kcgcollege.ac.in/departments/computer-science-engineering-new/#3

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year	Number of students passed in final year examination	Pass Percentage

			examination		
410	ME	Manufacturing Engineering	2	2	100
403	ME	Computer Science and Engineering	2	2	100
205	BTech	Information Technology	48	48	100
114	BE	Mechanical Engineering	100	94	94
107	BE	Electronics and Instrumentation Engineering	36	36	100
106	BE	Electronics and Communication Engineering	86	86	100
105	BE	Electrical and Electronics Engineering	73	73	100
104	BE	Computer Science Engineering	98	98	100
103	BE	Civil Engineering	57	57	100
101	BE	Aeronautical Engineering	74	73	98.64
[View Uploaded 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://drive.google.com/file/d/16VkkHOb4rnZxVufQOqGlGmvacPt1dQ8x/view?usp=sharing

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	14	AICTE	4.42	4.42
Major	18	AICTE	3	3

Projects				
Major Projects	1095	AICTE	7.88	7.88
Major Projects	730	Aeronauticas RD Board	21.58	0
Major Projects	365	AICTE	1.1	1.1
Major Projects	1095	DST/NRDMS	33.1	33.1
Major Projects	1095	AICTE	15.56	15.33
Major Projects	365	ZERO Discharge Technologies	3.25	3.25
Major Projects	730	AICTE	9	9
Major Projects	730	AICTE	7.49	6.49

[View Uploaded File](#)

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
Introduction to Open Foam for CFD Analysis	Aero	05/03/2020
Awareness session on Intellectual Property Rights	EEE	20/12/2019
IPR and IP Management Awareness	EEE	14/03/2020
Mechanical Engineers Association	Mechanical	22/07/2019
Application of Robotics in Industries/ Guest Lecture	Mechanical	22/07/2019
Guest Lecture Alumini interaction - How to become an entrepreneur	Mechanical	28/09/2019
Virtual Lab for Dynamics Lab Experiments	Mechanical	14/09/2019

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
Bharat formula Karting	Edwin Emanuel,Ruban Ford,Siraj, Stephen, Siddharth	CADD Technologies	13/09/2019	First Prize in Acceleration test

HITSATHONV3.0	Arut Selvan .S	Hindustan Institute Of Technology Science, Chennai	31/08/2019	Top 22
Analyze	Arut Selvan. S, Abhishek Kumar	IIT PALS	23/07/2019	First Prize
Best man Machine interaction	C. Aasish, Nandhini, Mohan Rishikesk, Balaji, Ajay Krishna, Dhanush Anand, Abishek, Sanjeevi, Ganesh Karthik, Sabarish	IARC-AUVSI	30/08/2019	Technology
Ford Paper Presentation Contest	Suraj D Aaron Peter	Ford Motor Private Limited, Chennai	30/10/2019	Shortlisted for finals in Top 10 participants
Hackathon 2019	Akash S, Elavarasan	Hindustan Institute of Technology and Science	13/12/2019	Winner for best problem addressed
Hackathon 2019	Vijay Prabhakaran	Hindustan Institute of Technology and Science	13/12/2019	Winner for Encouragement award
Brakes India Hackathon 2020	D. Suraj, Ulaganathan, Ravindrakumar	Brakes India Private Limited	07/02/2020	II Runner
Best Professor in Electrical Engineering Studies	Dr. T. Anuradha	Dewang Mehta National Education	31/12/2019	Best Professor in Electrical Engineering Studies
InfyHackathon	Muzammil Sait A, Antonyraj A, Logithkumar B	Infosys	08/01/2020	Hackathon

View Uploaded 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
KCG Incubation Centre	Innovation, Incubation and Entrepreneurship Cell	KCG College of Technology	Vayu-radha	Manufacturing	31/12/2019

View Uploaded File

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	1	39

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

Name of the Department	Number of PhD's Awarded
Electrical and Electronics Engineering	3
Information Technology	1
Mechanical Engineering	7
Science and Humanities	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)
International	Aeronautical Engineering	2	0.31
International	Automobile Engineering	4	1.5
International	Civil Engineering	6	1.45
International	Electronics and Communication Engineering	11	1.5
International	Electrical and Electronics Engineering	19	Nill
International	Electronics and Instrumentation Engineering	9	0.5
International	Fashion Technology	3	6.35
International	Information Technology	14	0.8
International	Mechanical Engineering	9	1.38
[View Uploaded File]()			

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
Science and Humanities	1
Information Technology	14
Fashion Technology	1
Electronics and Instrumentation Engineering	8
Electronics and Communication	12

Engineering						
Computer Science and Engineering			5			

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
A Cost-Effective Data Node Management Scheme for Hadoop Clusters in Cloud Environment	Dr. Krishnamurthy M	Machine Learning and Metaheuristics Algorithms, and Applications, Springer	2020	1	KCG College of Technology	0
Novel OGBEE-based feature selection and feature-level fusion with MLP neural network for social media	S.Bairavel, M. Krishnamurthy	Soft Computing, Springer	2020	0	KCG College of Technology	0
An Aspect based Sentimental Analysis Approach using Deep Neural Networks and Artificial Fish Swarm Optimization to Analyze the Sentiments in Tweets	Kani Priya, Krishnaveni R, Krishnamurthy M., Bairavel S.	International Journal of Advanced Science and Technology	2020	0	KCG College of Technology	0
Analyzing social emotions in social network	Kani Priya, Krishnaveni R, Krishnamurthy M., Bairavel	International Journal of Technology and Human Interactio	2020	0	KCG College of Technology	0

using graph based co-ranking algorithm	S.	n				
Performance of solar parabolic dish thermoelectric generator with PCM	Dr T.Mothilal	Materials Today: Proceedings	2020	0	KCG College of Technology KCG College of Technology	0
Development Of Artificial Butterflies For The Study Of Endangered Asiatic Elephants (Elephas Maximus Maximus) In Sri Lankan Forests	Syam Narayanan S, R Asad Ahmed	International Journal of Scientific Technology Research	2020	0	KCG College of Technology	0
Heat transfer analysis of thermoelectric generator at the focus of solar parabolic dish	Dr T.Mothilal	A Journal of Composition Theory	2020	1.8	KCG College of Technology	0
Effect of silicon coupling grafted ferric oxide and E – Glass fibre in thermal stability , wear and tensile fatigue behaviour of eboxy hybrid composite	Dr T.Mothilal	Springer publication	2019	0.3	KCG College of Technology	15

| Thermal and flexural properties of caryota urens palms fiber – reinforced polyester composites | Dr T.Mothilal | A Journal of Composition Theory | 2020 | 1.8 | KCG College of Technology | 0 |
| Predominant Factor Prediction To Accelerate Growth Of Quick-Service Restaurants (QSR) | Syam Narayanan S | International Journal of Scientific Technology Research | 2020 | 0 | KCG College of Technology | 0 |

[View Uploaded File](#)

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Hybridizing bat algorithm with artificial bee colony for combined heat and power economic dispatch	Murugan R., Mohan M.R., Asir Rajan C.C., DeivaSundari., Arunachalam S.	Applied Soft Computing Journal	Nill	15	23	KCG College of Technology
Analysis of statistical texture features for automatic lung cancer detection in PET/CT images	Punithavathy K., Ramya M.M., Poobal S.	Journal of Computational and Theoretical Nanoscience	Nill	15	20	KCG College of Technology
Developing efficient intrusion	Dr. Krishnamurthy M	Journal of Computational and Theoretica	Nill	15	20	KCG College of Technology

tracking system using region based traffic impact measure towards the denial of service attack mitigation		l Nanoscience				
Experimental studies on engine performance and emission characteristics using castor biodiesel as fuel in CI engine	Arunkumar M., Kannan M., Murali G.	Renewable Energy	Nill	15	20	KCG College of Technology
Instantaneous power-based current control scheme for VAR compensation in hybrid AC/DC networks for smart grid applications	Deivasundari	IET Power Electronics	Nill	15	22	KCG College of Technology
Effect of reduced graphene oxide (rGO) on corrosion and erosion-corrosion behaviour of electroless Ni-P coatings	Tamilarasan T.R., Sanjith U., Siva Shankar M., Rajagopal G.	Wear	Nill	15	24	KCG College of Technology KCG College of Technology
Chaotic dynamics of a zero	Dr Deivasundari P.	IET Power ElectronicsTod	Nill	15	26	KCG College of Technology

average dynamics controlled DC-DC ?uk converter		ay: Procee dings				
A fixed bed column study for the removal of Pb2 ions by watermelon rind	Dr Laksh mipathy R	Environm ental Science: Water Research and Technology	Nill	15	27	KCG College of Technology
Experime ntal inves tigations to study the charac teristics of rubber- seed-oil- fueled diesel engine sup plemented with diethyl ether	Dr Nagalingam B.	Energy and Fuels	Nill	15	28	KCG College of Technology
Linear open circuit vo ltage- variable s tep-size-i ncremental conductanc e strategy- based hybrid MPPT controller for remote power appl ications	Dr. Deiv asundari.	IET Power Elec tronics	Nill	15	28	KCG College of Technology
[View Uploaded File](#)						

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

Number of Faculty	International	National	State	Local
Attended/Semi nars/Workshops	84	553	2	149
Presented papers	50	165	6	6
Resource persons	5	6	3	3

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Teach to reach at Echoor Village	NSS/NCC/CSR	5	120
Infrastructure development at Pattikadu/Puliyur	NSS/NCC/CSR	15	130
First Aid Awareness Program at Pulikundram	NSS/NCC/CSR	5	120
Technology demonstration to the farmers of Acharavakkam	NSS/NCC/CSR	5	120
Women Empowerment to the women of Irumbedu	NSS/NCC/CSR	5	120
Youth Health Mela	NCC	5	48
Tree Plantation	NCC	5	27
Quiz and Debate Competition	NCC	5	60
Coastal Cleaning Event	NCC/NSS/ECB	5	100
Campus cleaning	NCC/NSS	5	120
View File			

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
Student Solar Ambassador Workshop	IIT Bombay	IIT Bombay	100
Demonstration of innovative technologies for advancement in agriculture	Unnat Bharat Abhiyan	Unnat Bharat Abhiyan	100
Student Solar Ambassador Workshop	Energy Swaraj Foundation	Energy Swaraj Foundation	70
Popularisation of science	TNSCST Popularisation of science	TNSCST	30
View File			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Fit India campaign	NCC	Fit India campaign	1	27
Unnat Bharat Abhiyaan	MHRD	Demonstration of innovative technologies for advancement in agriculture	1	2
Webinar	KCG College of Technology(Institutions Innovation Council (IIC)	My Story-Motivational Session by Successful Enterpreneur	10	50
Webinar	KCG College of Technology	Blood Donation Camp	12	42
NSS	KCG College of Technology	Blood Donation Camp	2	12
NSS	KCG National Service Scheme	Dedication of stage and restroom facilities for school students	1	4
COVID-19 Relief Fund	TARETU	Groceries Supply	0	1
Awareness	KCG College of Technology	Tree Plantation EventKCG	0	1
Swatch Bharat Abhiyan	KCG College of Technology	Campus Cleaning Programme	0	1
Awareness	KCG College of Technology	Cancer Awareness Programme	0	1
[View File]()				

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Patent	Dr. T Mothilal	Self	2920
Funded Project - Wind Driven Air Storage System	Dr. P. Deiva Sundari Mr. K. Karthikeyan Ms.Ammal Dhanalakshmi	National Institute of Wind Energy (NIWE)	1825
Design,Modelling, Simulation,Analysis	Dr.P.Deiva Sundari,	CVRDE	1155

,Demonstration of Contactless ,Battery charging system using Inductive Coupling	Mr.S.Balaji, Ms.Brindhasakthi			
On job Training (Internship)	Siraj AL Ahmed	University of Nottingham, Malaysia		17
Internship	Mr. Mukesh Kanna	Zoho, Chennai		240
Internship	Ms. Alamelumangai Ms. Lavanya Ms. Keerthana R Ms. Srimathi	GAVS, Chennai		105
Post Doctoral Fellowship	Dr. Vignesh kumar	QIP		365

View File

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industry	Training	Pratt Whitney	16/12/2019	24/01/2020	6
Industry	Training	Pratt Whitney	01/12/2019	31/01/2020	6
MoU	KCG - BOSCH Joint Training Centre	Bosch Limited	03/02/2020	31/12/2020	14
MoU	Memorandum of Understanding	X1 Racing	03/05/2019	31/12/2020	14
Project work	Geospatial Applications	Madras University	01/06/2019	31/12/2020	30
TTT(Train the Trainer)	Intern-Technology	Virtusa Consulting Services Private Limited	04/05/2020	05/06/2020	105
Center of Excellence	AWS Academy Certified Cloud Practitioner	AWS	01/12/2019	13/12/2019	106
INFYTQ	INFYTQ training	Infosys	01/01/2020	31/12/2020	106
Internship	On Job	Ashok	25/06/2019	02/07/2019	1

Training		Leyland, Ennore			
Internship	On Job Training	University of Nottingham, Malaysia	01/07/2019	17/07/2019	1

View File

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
Bosch Ltd	03/02/2020	Skill Development Program, Certifictaion Courses, Train the Trainer	30
Mando Automotive India Pvt Ltd	26/07/2019	Industrial Visit	15
X1 Racing	03/05/2019	webinar	40
DIYA Labs	20/01/2020	Training and Project in IoT	60
BSNL, Rajiv Gandhi Memorial Telecom Training Centre, Meenambakkam, Chennai	17/12/2019	Value Added Training and Internship	78
Medindia Health Network Pvt. Ltd., Chennai	13/12/2019	Project cum Internship	8
Voltech Engineers Private Ltd	12/09/2019	Training, Students Recrutiment as GET	17
Tex Valley Market Limited, Erode	11/06/2019	internship	16
Intimate Fashions India Pvt Ltd, Guduvancheri, Chennai	23/09/2019	internship, Mini-projects	16
Super Auto Forge	09/12/2019	Industrial visit and In-Plant Training	7

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

1050	1035.97

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

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}			
Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
PALPAP InsproPlus	Fully	Version 17	2016

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	1957	347463	462	175086	2419	522549
Reference Books	214	255660	0	0	214	255660
e-Books	10466	27140	184	13570	10650	40710
Journals	239	769612	128	377162	367	1146774
e-Journals	4	1357754	1017	651899	1021	2009653
Digital Database	601	0	0	0	601	0
CD & Video	1973	30000	0	0	1973	30000
Library Automation	1	100000	0	0	1	100000
Others(specify)	905	44532	0	0	905	44532
Others(specify)	3405	22000	0	0	3405	22000

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
K.Karthikeyan	Electrical measurement	MS Teams	15/07/2020
Dr.N.Bharathi	Process Control	MS Teams	15/07/2020
N.Jeevitha	Industrial Instrumentation -II	MS Teams	15/07/2020
N.Jeevitha	Industrial Data Networks	MS Teams	15/07/2020
R. Natesan	Disaster Management	MS Teams	15/07/2020
Dr.Jayakumar	Total Quality Management	MS Teams	15/07/2020
J.S.Prasath	Analytical Instruments	MS Teams	15/07/2020
J.S.Prasath	Embedded systems	MS Teams	15/07/2020
K.Karthikeyan	Communication Engineering	MS Teams	11/12/2020
Dr.N.Bharathi	Applied soft computing	MS Teams	11/12/2020

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	831	12	800	0	0	42	113	175	0
Added	0	0	0	0	0	0	0	25	0
Total	831	12	800	0	0	42	113	200	0

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
Dr. Lakshmipathi	https://youtu.be/OA_IRWi7lvQ
Dr. Jaya	https://youtu.be/oSNdByAArPc
Dr. R. Dhanalakshmi	https://youtu.be/evWmB1JdL-A
Dr. N. Bharathi	https://www.youtube.com/watch?v=VSHhU4Z

	3BV4&feature=emb_logo
Ms. Nagalakshmi	https://www.youtube.com/watch?v=_t_s3k4gScc
Dr. Jose Anand	https://youtu.be/RivJpFdgVek
Dr. Vandhana	https://youtu.be/H1ij8JUWMuY
Dr. Andal	https://youtu.be/4qRJSaBsHjM
Mr. J. John Alexander	https://youtu.be/-7iHezTGDAk
Dr. K. Karthikeyan	https://youtu.be/A8nqI7Ftyl0
Dr. Kavitha Balamurugan	https://youtu.be/0Xzg2zr6KJ8
Dr. R. Amrutha	https://youtu.be/VPvuIGJsAQ8

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 incurredon maintenance of physical facilites
1000	1114.88	4500	4385.47

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)

There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. The college has appointed personnel for maintaining facilities such as buildings, transport, Electrical, gardening etc. Admin manager visits the building on regular basis and fulfill the requirement to ensure the building is clean, neat and safe for the occupation and usage. The furniture's are maintained properly with systematic maintenance and painting works. If there are complaints Separate complaint registers are maintained for various services. Complaints can be registered in the Ledger or through e-mail or electronically. Regular cleaning of college floors, classrooms, laboratories, equipment, and restrooms are being done by the housekeeping team. Stock verification of all labs and other facilities is done at the end of every year by the staff members from other department and the report is submitted to the Principal. Seminar halls and Auditoriums are controlled separately and their availability can be checked with the college office for utilization. These halls are maintained in such a way that is suitable for public gathering and the disinfectants are applied during the maintenance time to keep the occupants health a primary importance Maintenance of Laboratory Equipment Periodical check-up of equipment is carried out as per schedule by the lab coordinators. The measuring instruments are calibrated regularly In addition, maintenance is being done weekly, and monthly and yearly and respective registers are maintained in the laboratories. As per the requirement, minor repairs are carried out by the lab instructors or faculty member Major repairs for all laboratory equipment are outsourced by following the procedure as follows: 1.The service request is forwarded to principal through Lab-in-Charge and HoD 2. After approval, Quotation for service is called for and the recommended service provider is Identified and forwarded to the principal 3. After approval, the service is carried out in the presence of Lab-in-Charge 4. After service, the work completion statement and bills are submitted to the accounts Maintenance of Computer Laboratories Maintenance of

computers is taken care by an in-house IT admin team Preventive maintenance and breakdown maintenance procedure is followed. Installation of antivirus and firewall ensure that the software and system are secured. A weekly status check on the hardware and software condition of the machines is undertaken and the same is noted in a register. Breakdown maintenance wherein the system fails due to SMPS problem or boot failure is recorded Transport facility Transport facility is provided by the transport department. The vehicles (buses, Cars) are periodically maintained and ensures a hassle free transportation to staff and students.

https://kcgcollege.ac.in/facilities/

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	KCG Verghese Memorial Scholarships, Sports Scholarships, Other Freeships (IIT PALS, FORGE, SIH, SAE SUPRA etc)	259	25643600
Financial Support from Other Sources			
a) National	State Govt / SC ST (Post Metric Scholarhip Scheme), State Govt / SC ST, BC MBC, First Graduate	1052	27203175
b)International	NA	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 enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Remedial Classes	13/05/2020	15	KCG College of Technology
Coaching	26/03/2020	60	Google Class Room
Personal Counselling	01/05/2020	25	KCG College of Technology
Mentoring	02/05/2020	13	KCG College of Technology
Yoga Day	21/06/2019	53	KCG College of Technology
Opportunities for self-development in the lockdown - presentation by	06/04/2020	12	KCG College of Technology

students			
AWS Academy Cloud Foundations (ACFV2EN-230) Digital Certification Course	20/04/2020	50	AWS
Cloud Literary Day-2019	14/09/2019	100	AWS - ICTACADEMY
AWS Cloud Master Programme 2019	08/08/2019	100	AWS - ICTACADEMY
[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 passedin the comp. exam	Number of studentsp placed
2019	UPSC Awareness, TNPSC Awareness, US BOOT Camp, Australian Education Fair, Awareness on civil services	351	391	21	344
2020	UPSC Awareness, TNPSC Awareness, US BOOT Camp, Australian Education Fair, Awareness on civil services	145	151	6	69
[View File](#)					

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
16	16	3

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
66	578	248	43	578	79

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
2020	1	BE	Civil	Manipal academy of higher education	MBA
2020	1	BE	CSE	MACQUARIE, AUSTRALIA	Mater of IT in CYBER SECURITY
2020	1	BE	CSE	MIT CHENNAI	ME-CSE
2019	1	BE	EEE	PSG Institute of Management	MBA Finance
2019	1	BE	EEE	Anna university ,Chennai	M.E High Voltage Engineering
2019	1	BE	EEE	University of Texas	MS Electrical Engineering
2019	1	B Tech	IT	SASTRA University	Master of Business Administration
2019	1	B Tech	IT	PU-LCS Twinning Programme- Loyola Campus	MBA- Human Resource Management
2019	1	B Tech	IT	ISEP- Institute Superieurd' Eletronique de, Paris	ISEP Engineering Master Degree Program
2019	1	B Tech	IT	IFIM Business School, Bangalore	PGDM

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	0
SET	0
SLET	0
GATE	5
GMAT	0
CAT	1
GRE	0
TOFEL	1
Civil Services	0
Any Other	4
[View File](#)	

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

Activity	Level	Number of Participants
Dr.KCG Verghese Memorial State level inter school Chess Tournament	State	274
Zeppelin 19	Institutional	1000
National Unity Day	Institutional	400
Engenius 2019	Institutional	2000
[View File](#)		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Anna University zonal cricket tournament	National	1	Nill	31101710 7022	Ulaganat han,Harish R. Jokins Bright
2019	Chief Minister's Trophy	National	1	Nill	31101810 7004	Vignesh
2019	3rd Prize	National	1	Nill	31101810 7004	Sam Frankline
2019	3rd Prize	National	1	Nill	31101810 7004	Dinesh R
2019	1st Prize	National	1	Nill	31101710 7025	Sabarish
2019	2nd Prize	National	1	Nill	31101710 7022	Ranjith Kumar

2019	2nd Prize	National	1	Nill	311016107033	Rakesh
2019	1st Prize	National	1	Nill	311017107025	Sabarish
2019	3rd Prize	National	1	Nill	311017107027	Sanjeev
Nill	2nd Prize	National	1	Nill	311018205011	Dinesh R

View File

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

Every department has an association with Student Council. The student council plays a vital role in departmental activities such as organizing symposiums, seminars, conferences and workshops. The council members and all the other students deliberately involve in their Department newsletter preparation. Especially department symposia are completely planned and conducted by students under the supervision of faculty. The students' representatives also actively participate in the following academic committees. Class Committee Every class shall have a class committee consisting of course handling faculty, student representatives and a chairperson who is not teaching the class. The functions of class committee include (i) Discussing problems experienced by students in the class room and laboratories and any general problem (ii) Informing the student representatives, details of regulations regarding weightage used for each assessment The class committee shall be constituted within the first week of each semester. Two subsequent meetings may be held in a semester at suitable intervals before the internal assessments. Online Feedback The online feedback is taken twice in a semester. It is taken from all the students for each course. Corrective actions are taken based on the consolidated feedback of each course. Interactive Feedback by Principal Dean-Student Affairs Feedback on the regular progress of the courses is obtained by the Principal and Dean once in a semester during the interactive session with a group, normally of equal ratio of boys and girls, totaling 9 students ranging from slow-learners to advanced-learners, inclusive of day-scholars and hostellers. IQAC The main objective of IQAC is to develop a system which will consciously work and serve as a catalyst to improve the academic and overall performance of the institution. IQAC has representatives from both faculty and students. The team is currently working on the strategy to improve the academic performance of the students and the placement opportunities. The main role of the team is to analyze the cause for lower placements through brain storming and to develop solution that can be implemented on a common platform. IQAC student's team frequently addresses the fellow students to get their suggestions for the overall benefit of the student's community. Other Co-Curricular Committees • Students are actively involved as Cultural and Sports Coordinators, HYLC organizing team etc. • The NSS unit at KCG was started in 2004 and is fully managed by the students. The various programmes conducted by the NSS have brought about a remarkable change in the outlook of the students and their attitude towards life and society • The NCC unit was started in 2009 with an aim to develop character, comradeship, discipline, leadership, secular outlook, spirit of adventure, and the ideals of selfless service amongst the cadets. • Students' chapters of various Professional Bodies like IET, IEEE, SAE, CSI, ISIS, and IE are actively taken forward by the students • The 'Cloud 10 Bazaar' is an annual feature where students put up stalls and experience first-hand, the joys and difficulties of marketing, and hone their management skills.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?
Yes

The Alumni Association of KCG College of Technology is a registered society with registration number 458/ 2016 dated 12.9.2016 . On 08.12.2016 an election was held and new members were elected. The main objective of the association is to make alumni register as members of the association and to facilitate active participation of the alumnae in appropriate activities, events, and initiatives of the Institute. The KCG Connect Alumni Association is an official unit of the Institute with the primary objective of facilitating the pleasant and friendly interface to all the KCG Tech alumnae and creating a single connect of KCG Tech fraternity. The KCG Tech is really proud of its brilliant alumni who are currently positioned all over the globe and have distinguished themselves in all spheres of high-end engineering and technology. The main aim of the KCG Connect Alumni Association is for supporting and providing contributions voluntarily to our Institution and for maintaining and expanding the institution's development. KCG Connect: In this era of social networking, the connect with their past students needs to be established. Developing a strong and a positive relationship with their alumni can benefit the institution socially, academically and professionally. On that we have our college alumni group named KCG Connect on Facebook with many active members in it who eventually harness alumni activities which is beneficial for students, college management and alumni. The link for kcg connect page is www.kcgconnect.in. Career Guidance Mentoring: Alumni are contributing towards • giving guest lectures to our Under Graduate Students • industry experts and cooperative partners in projects with the institution that improve the development of their alma mater, • are advisors in committees thereby providing aids to identify the curriculum gap which is escalated to the Anna University so as to enhance and to fulfill the work aspirations of the students. • enabling in providing job opportunities Many seminars were conducted for career and interpersonal skills guidance. Experiences that are shared by our alumni with students whether in time management, financial management, development of self-discipline and character, or in career management can be more easily accepted as guidance and inspiration by students. In 2020 itself, nearly 26 webinars were conducted by our alumni. Alumni Fund : Our alumni association has been registered and a bank account is being maintained effective from Nov 2017 and has fund a of 3,72,677 which is utilized for various activities. Alumni Meet: Alumni Meet is organized every year mostly in the month of August. It is like an Alumni get together. In Dec 2017 the Hindustan group of Institutions conducted HGI Golden Convergence Meet. Many Alumni were nominated for Awards under various categories. Young Achiever Award was given to Jegatheeswaran P, Deputy Collector, Government of Tamil Nadu. Alumni Survey: A survey is taken every year which is a valuable feedback given by the Alumni for the growth of the institution.

5.4.2 – No. of enrolled Alumni:
2900

5.4.3 – Alumni contribution during the year (in Rupees) :
898677

5.4.4 – Meetings/activities organized by Alumni Association :
Mock Interview Guest Lecture Seminar Alumni Reunion

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

The Principal is the Head of the Institution and he ensures that the right ambience is created for the smooth functioning of all academic activities, intellectual growth, and research pursuits. He periodically conducts meetings with the HoDs, where ideas gathered from faculty members are exchanged and decisions are made regarding the better infrastructure and improvement in the academic performance of the students. He creates various committees in consultation with the Deans and the HoDs. To name a few Committees: IQAC, Disciplinary and Anti-Ragging Committee, Grievance and Redressal Committee, RD Committee, Academic Committee, etc. These committees help in the decentralization of work and collective responsibility. The Deans and HoDs work for the holistic development of the students. This is done with the help of academic coordinators, class teachers and counselors, who provide academic support, guidance, counsel, address grievances, maintain the database, keep tracks on attendance and communicate student progress to the stakeholders. Case study The institution offers decentralization and participative management in practice in the overall schema • HoDs play a crucial role in decentralizing the resources by scheduling the activities of the department and assigning responsibilities to the department faculty. • HoDs have functional autonomy in proposing the budget, course allocation, framing time table and takes the ownership of the department. • Organizing seminars, guest lectures, workshops, symposium, conferences, competitions, industrial visits, and in-plant training are delegated often to the faculty members by the HoD. • Faculty members are involved in the purchase and maintenance of equipment and consumables. • Faculty members act as representatives in the Governing Council, DAB, PAC, budget committee, library committee and other statutory bodies where important decisions are taken. One of the main objectives is to mentor the students, as quality citizens for the society at large, as participative management. • A mentoring system for the students is implemented with the participation of the faculty members in the ratio of 15 to 20 students to each faculty. • Each and every faculty maintain the record of complete students' profile. • A schedule is made periodically for monitoring the students' performance. • In addition to the curriculum, the extra-curricular and co-curricular activities are also considered for mentoring. Delegation of Financial Powers • Budget is allotted for programmes organized at the institutional level (College Day, Graduation Day, Sports Day, Orientation Day, Fresher's Day, Hindustan Young Leaders Conference etc.) and Value Added Programmes (VAPs) such as workshops, guest lectures, conferences, FDP etc., by the respective departments. Any programme to be organized is discussed with the Principal. After approval by the management, money is sanctioned and programmes are conducted. • Annual Budget for the respective department is prepared by the respective in-charges (lab procurement, infrastructure etc.) and forwarded to the Management for approval through Principal by HoDs. • Principal and Registrar have been authorized to sanction any expense up to an amount of Rs.20,000/- and Rs.10,000/- respectively.

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
Admission of Students	• For government quota candidates, counselling is done in different rounds based on marks. SMS and email alerts will be sent to the applicants via

	their registered ids and mobile numbers during each stage of counselling, which is organized by Tamil Nadu Engineering Admissions (TNEA). The allotted students have to report to the College within the reporting date given by TNEA. • The seats under Management quota are filled through Consortium of Self-Financing Colleges. After submitting the filled up application form, based on the Entrance Mark List published by Consortium of Self-Finance Colleges, Management shall give admission to the students.
Industry Interaction / Collaboration	KCG College of Technology has entered into a number of Industry-Institution partnerships through Memorandum of Understanding (MoU) with various organizations for training, technical collaboration and consultancy. These MoUs enable the students to get Internships, In-plant Training, Placement, and Research Exposure and contribute to making them Industry-ready and Competent professionals. MOUs to name: • SJMSOM (IIT Bombay) • Central Leather Research Institute (CLRI), Chennai • Ramco Systems Ltd • Barry Wehmiller International Resources (P) Ltd • Oracle University • BSNL • Inferno Racing X1 Racing League of Aditya Patel ArmaanEbrahim • Siemens Limited (SITRAIN INDIA) • Robert Bosch Engineering Business Solutions Private Limited • FORD India Private Limited • Alfa Machine Tools • MMC Skyport Innovations • Guires Solutions Private Limited • ASIA PACIFIC University of Technology Innovation • Builders Association of India • IET Ottawa Local Network • Signals and Systems (India) Private Limited • Pothigai Power Solutions Private Limited • Mazelon Technologies Private Limited • ProjectGuru (A Division of Vision Technology Group) • EGS Computers India Private Limited • ADROITEC • Palo Alto Networks CyberSecurity Academy • National Institute of Electronics and Information Technology (NIELIT) • Data Patterns (India) Private Limited
Human Resource Management	• The smooth running of the college is facilitated by three committees – the Governing Council, the Management Team and the Staff Council. • HR Policy Hand Book - available in the college website.

Library, ICT and Physical Infrastructure / Instrumentation	• Innovative teaching aids are used to all classes • Books are issued to the students through Book Bank System • Upto 6.00 p.m. hostel students can avail the Central Library Facility • Introduction of Virtual Labs along with the Laboratory Courses • Dr. APJ Abdul Kalam Auditorium Inaugurated with seating capacity of 2000 • New labs were setup for Aerospace, Mechatronics, and Automobile Engineering Programme
Research and Development	• Scopus, SCI, and Book publishing are rewarded • OD for conference publications, workshops/seminars with TA/DA and registration fee given • OD for PhD doing research scholars • Integrated International Conference has been organized by KCG-Research Forum • Final year students publish their project work in national/international conference/journals • Remunerations for consultancy projects
Examination and Evaluation	• Semester Exams are conducted by Anna University • Internal examination has UT1, UT2, UT3, and Model with two set of questions and answers key are submitted to exam cell along with mapping to previous year university questions. • Class test are conducted for 2 marks questions • Central valuation for internal examinations • Cross valuation for internal examinations • After internal valuation, marks are entered in the ERP which are viewed by the students and parents using their login id. • Retests are conducted for absentees and failures beyond working hours.
Teaching and Learning	• Assignments of higher order thinking skills are given • Usage of Innovative teaching methods • Usage of Smart Class Rooms • Usage of Digital Library • Usage of Google Class Rooms etc.,
Curriculum Development	• Curriculum is given by Anna University • Any gap in curriculum with the Industry needs are discussed in the Department Advisory Board (DAB), and these topics are added as Content Beyond Syllabus with the course or covered in Value Added Programme (VAPs) • Course Faculty prepare the Content Delivery Plan with the inclusion of Content Beyond topics

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

E-governace area	Details
Planning and Development	• Academic schedule and activities for the development of students will be discussed in the HoD's meeting
Administration	• The Principal heads the administrative setup and is the key decision maker with regard to academic and administrative matters. • Dean (Academic) supports the Principal in various academic activities. • Dean (Student Affairs) takes care of the welfare of the students. • Registrar ensures good order in college and an atmosphere conducive to academic activity by producing timely and accurate statistics, class rosters, grades, certifications, and other reports. • All departments have their own respective department offices headed by the respective heads of departments.
Finance and Accounts	• The accounts manager monitors financial transactions and all the monetary transactions (both the receipts and payments) are processed through a nationalized bank.
Student Admission and Support	• Details available in college website https://kcgcollege.ac.in/admissions/admission-procedure-ug/ • Admission details and support are provided through ERP System. • Dedicated admission team works throughout the year.
Examination	• After internal valuation and university results, the marks and grades are updated in the ERP which are visualized by the students and parents

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
2019	Sreekanta Kumar VP	Cyber Security -NITTTR- Chandighar	Nil	25000
2019	Buvaneswari K	National Awareness Conference on the Value of Biodiversity	Nil	600

		and its Conservation-Dr Ambedkar Govt Arts College, Vysarpadi			
2019	Nalini Jayanthi S	9th International conference on Materials Processing and Characterisation-Gokaraju Ranagarju Institute of Engineeting and Tech	Nil		1500
2019	R Adline Freeda	FDP Introduction to cloud Infrastructure Services	Nil		1500
2019	Deepa Jose	Intl Conf on Science Eng Tech-Scibay Publication	Nil		1500
2019	Ramya K	2rd Research Colloquim-NIT Trichy	Nil		1500
2019	Jitha Varghese	2nd Research Colloquim-NIT Trichy	Nil		1500
2019	Deepa Jose	Intl Conf on recent trends in Elec Computing -Saveetha Eng	Nil		1500
2019	Ms. Ammal Dhanalakshmi M	2 day National Seminar Case Studies in power Management stragergies for Micro Grid-SSN College	Nil		1500
2019	Mr. Gowtham S	2 day National Seminar Case Studies in power Management stragergies for Micro Grid-SSN College	Nil		1500

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)
2019	Three Day Knowledge Enhancement Programme (KEP)on Numerical Relays – Transformer protection	Nil	14/09/2019	16/09/2019	13	Nill
2019	MATLAB programming 2019	Nil	21/11/2019	21/11/2019	10	Nill
2019	Workshop on Electrical Schematic drawing	Nil	10/12/2019	12/12/2019	10	Nill
2019	One Day Seminar on Smart Transformation to E-Mobility	Nil	21/12/2019	21/12/2019	17	Nill

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
IIT Madras Faculty INDUCTION Program	2	02/12/2019	14/12/2019	8
IIT Madras Faculty Induction Program	2	20/01/2020	27/01/2020	8
Mechanics of Materials	1	14/04/2020	14/04/2020	8

Introduction to Engineering Mechanics	1	30/04/2020	30/04/2020	8
Electric vehicles and mobility	1	09/05/2020	09/05/2020	8
The Importance of AV experience in the Higher Education sector	1	18/09/2019	19/11/2020	8
FDP on Teaching Learning	2	27/09/2019	29/09/2019	8
FDP on Teaching Learning	8	11/11/2019	14/11/2019	8
Train the Trainer for Bosch Joint Certification Course	2	02/12/2019	06/12/2019	8
Two day national workshop on " Hands on training on Artificial Neural Network using MATLAB"	1	03/08/2019	04/08/2019	8

[View File](#)

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
22	22	7	7

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Exemption of registration fees for FDPs organized in campus MoUs with foreign Universities for joint projects and staff exchange programs A 5-day exclusive induction training program for new faculty Provision of Experts and Advisors for the technical growth of faculty Expert lectures	Various awards are given for excellence in specified fields Educational support to the children Emergency personal interest-free loans for medical/natural calamity Free boarding/lodging in the campus for certain maintenance staff and food for drivers at a subsidized rate A minimum	Outstanding meritorious students in academic, co-curricular and extracurricular activities are suitably awarded by the college. Deserving, meritorious and economically weaker students are given financial assistance by the Management for payment of tuition fees including free books and

on niche technologies are organized regularly Faculty exchange programmes with foreign universities Joint collaboration with leading industries for projects and faculty training QIP and Sponsorship for higher studies including doctoral research 12 days Casual Leave, 3 days Medical Leave, Maternity Leave, 20 days Earned Leave and 3 days Special Leave is granted	amount of Rs.2,500/- as death relief to employees in the event of the death of any member in the family Restricted holidays and Festival Advance of 50 of the Gross Salary for Non-Teaching Technical / Admin employees Lab coats are provided to the Lab Instructors and Lab Assistants Personal Accident Insurance and Group Insurance Free consultations are provided by the Doctor on campus 12 days Casual Leave, 3 days Medical Leave, Maternity Leave, 20 days Earned Leave and 3 days Special Leave is granted Two sets of stitched Teri-cotton uniform with a pair of shoes and socks along with rain Coats / Umbrellas are given every year to the supporting staff Bonus amount is given to drivers during festivals	transport. The management encourages students to take part in technical seminars (National and International) organized by industrial organizations and academic institutions. The participants are given monetary assistance in the form of registration fee, travelling expenses, etc. The Management has instituted cash awards for university rank holders as below. 1st rank (UG) - 1,00,000 1st rank (PG) - 50,000 2nd to 5th rank - 35,000 each 6th to 10th rank - 20,000 each 11th to 25th rank - 10,000 each The college also offers awards and incentives to the following categories of meritorious students. Best Outgoing Student Award Break the Barrier Award (for first generation graduate student) Young Leader Award Best Cultural Performer Award Best Sports Person Award Best Student Entrepreneur Award Best Researcher Award Best Cadet Award

6.4 – Financial Management and Resource Mobilization

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

Internal Audits A complete budget is prepared every year well before the academic year begins. Annual Budget for the respective department is prepared by the respective in-charges (lab procurement, infrastructure, faculty development, student development, conference/symposium, maintenance, software, consumables etc.) and submitted to the Registrar through Principal by HoDs. Another budget including infrastructure augmentation and maintenance is prepared by the Registrar in consultation with the respective team. Every semester, there will be an internal audit by the faculty team supported by accounts department to consolidate the budget utilized and the report will be submitted to the Registrar. The internal audit report will be reviewed by the Finance Controller and suggestions will be given in the Management Advisory Board Meeting of the Hindustan Group of Institutions. External Audits The external audit is done by the Auditors and the audited statement is published in our website.

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
KCG College of Technology	3292978	Symposium, projects,etc.
View File		

6.4.3 – Total corpus fund generated

3292978

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	BSI	Yes	IQAC
Administrative	Yes	BSI	Yes	IQAC

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

Department Advisory Board Fresher's Opening Day College Day Graduation Day PTA Meeting

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

Various awards are given for excellence in specified fields Educational support to the children Emergency personal interest-free loans for medical/natural calamity Financial support for death of any member in the family Free consultations are provided by the Doctor on campus Bonus amount is given to drivers during festivals Medical camps provided

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

Preparatory Coaching for GATE Other competitive Examination Class Room observations on Teaching Learning Quality improvement methods on Teaching Learning(IIT-TLC)

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes
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
2019	Preparatory Coaching for GATE Other competitive Examination	10/08/2019	10/08/2019	25/08/2019	37
2019	Class Room observations on Teaching Learning	02/09/2019	02/09/2019	05/10/2019	3

| 2019 | Laboratory Audit | 21/10/2019 | 21/10/2019 | 25/10/2019 | 5 |
| 2019 | Quality improvement methods on Teaching Learning(IIT-TLC) | 04/11/2019 | 04/11/2019 | 06/11/2019 | 30 |

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
Womem Codeatho 2.0	06/03/2020	06/03/2020	15	0
WOMEN in Management & Challenges	30/05/2020	30/05/2020	30	15

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
Total annual power requirement (in KWH) -590857 kWh Annual power requirement met by the renewable energy sources (in KWH)-154464 kWh (26)

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	10
Provision for lift	Yes	2000
Ramp/Rails	Yes	10
Braille Software/facilities	Yes	0
Rest Rooms	Yes	2000
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	10

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	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff

			community				
2019	1	1	02/10/2019	1	Student Solar Ambassador Workshop	Community Outreach Programs	100
2020	1	1	07/12/2020	1	Demonstration of innovative technologies for advancement in agriculture	Community Outreach Programs	25
2020	1	1	02/10/2020	1	Student Solar Ambassador Workshop	Community Outreach Programs	69
2019	3	3	29/11/2019	2	Workshop on Mobile App Development	Skill Development	167
2019	4	4	02/12/2019	3	Python - a unique way	Skill Development	138
2020	1	1	10/12/2020	1	Workshop on Ethical Hacking	Skill Development	32
2020	1	1	29/12/2020	2	The Great Hack 3.0	Skill Development	70

View File

7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	18/11/2019	This Publication clearly spells about how the students and teachers to follow the code human values and professional ethics.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence day	15/08/2019	15/08/2019	50
Teachers Day	05/09/2019	05/09/2019	230
Womens day	08/03/2019	08/03/2019	70
Republic day	26/01/2020	26/01/2020	60

Cheer Up! Gear Up!!(An experiential and therapeutic session)	14/07/2020	14/07/2020	6
Women Codeathon 2.0	03/03/2020	03/03/2020	75

[View File](#)

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

1. Waste water recycling 2. Rain Water Harvesting 3. Declaring campus plastic free 4. Modernization of infrastructure 5. Enhancement of renewable energy capacity.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Title: Toastmasters Club for Faculty and Students Objectives Good communication skill of a teacher is the basic need of academic success of students, and professional success of life. Teacher communicates more instructions orally in classroom to students. Communication skills are important for many professions but are crucial for teachers. Teachers communicate with students, parents, colleagues and administrators every day. Whether communicated face-toface, on the phone, in print, electronically or through the public address system, the message must be constructed carefully and delivered clearly to be properly received. A Teacher with effective communication skills will alone be able to convey a technical content in a more structured way to the students enabling them to learn and promote their academics. Also all educators take on leadership roles. Teachers are considered as role models and are responsible for moulding the future leaders and are a source of inspiration for sharpening the leadership skills of the wards. Thus to enhance these two skills the toastmasters club was started in the year 2011. The Context Joining Toastmasters allows teachers to build the skills they need to become more confident public speakers and stronger leaders in every area of their lives. Toastmasters offer a proven education program meant for educating teachers through the process of self-improvement, communication and leadership training so that they may increase their confidence and usefulness in professional and community life. The mission of the club is to provide a mutually supportive and positive learning environment in which every individual member has the opportunity to develop oral communication and leadership skills, which in turn foster self-confidence and personal growth. The Practice • KCG TM Club is the first club started exclusively for the teaching fraternity in district 82 of Toastmasters International (TMI) covering Tamilnadu and Srilanka. • The College sponsored the chartered fee of 125$ and 45 $ per head (30 members) for term 1 and 30 $ per head for term 2 during the year of installation (Approximately 1.6 Lakhs) . • We meet on every Tuesday between 2.00 pm and 4.00 pm and every meeting will be conducted in a more structured form. We will have three parts namely 1. Prepared Speeches, 2. Table Topics (impromptu speeches) and 3. Evaluation Session. TMI provides a curriculum containing a list of projects, guidelines of executing and evaluating the same. • Every project given in the curriculum is provided with clear guidelines for content delivery and the speeches are well structured and timed. We have evaluation speech contests, humorous speech contests, table topic speech contests and prepared speech contests conducted at club, area, division, district and international level every year. Evidence of Success 1. Have received Golden Gavel Award Twice, the highest recognition for a club in good standing 2. Have been certified as distinguished club continuously for 5 years. 3. We started the students club

'KCG Youthmasters TM's club in 2015-16. 4. We are involvedin conducting soft skills programmes and speech craft programmes for our students. It also enables the industryinstitute relationship as the members of the corporate clubs are invited as resource persons for guest lectures, seminars, training programmes and conferences.We have hosted three division conferences in our college campus as venue partners. 5. Our members have completed certifications like Competent Communicator, Competent Leader, Advanced Communicator Bronze, Advanced Communicator Silver, Advanced communicator Gold, Advanced Leader Bronze and awards like 'Excellence in Leadership', 'Best Secretary Award', 'Smedly Award', 'Rising Star Award' etc. 6. Two of our members have served as district officers for 2 respective terms (Area Directors) Best Practice 2 : Title: Innovation and Entrepreneurship Development Centre (IEDC) KCG College of Technology has two wings of operation, namely i-cell (innovation cell) ande- cell (entrepreneurship cell). Keeping in line with the vision mission of the institution, IEDC aimed at excellence in technology facilitating innovation, entrepreneurship and social entrepreneurship. Objectives The aim of IEDC is to guide and encourage the students to convert their ideas into innovations, to create an entrepreneurial eco system on campus, to train the students to analyse the market opportunity through entrepreneurial skills and to convert innovation to commercialisation. The Context With the support of our management, the college became a member of National Entrepreneurship Network (NEN) who backed the formation of e-cell i-cell in November 2008 May 2009 respectively. This brought an all new buzz of entrepreneurship on campus to develop and support our next generation of entrepreneurs and entrepreneurial leaders – young people who will take India to the next level of development and growth. On the basis of the innovative projects developed by our students, DST selected our institution to establish IEDC with a Grant-in Aid of Rs. 44.45 Lakhs over the period of Five years. The IEDC Grant-in-aid is a unique initiative by the Government of India to impart knowledge based and innovation driven hands on experience to students while pursuing their graduation studies and to train the students and faculty on entrepreneurship. This led the students to be intrapreneurs and entrepreneurs The Practice Ideation 1. Students were asked to submit their ideas using a simple 6W (what, why, who,when, where How) format. The submissions were reviewed by a panel of members consisting of faculty Industry experts. 2. Every year on an average 25 to 30 ideas would be submitted by students from which 10 to 12 ideas were short-listed based on the innovation, feasibility, social relevance and cost effectiveness. 4. Each selected team was allocated a faculty coordinator to refine their idea. 5. Each one of the teams was groomed in presenting and validating the ideas. 6. All these teams presented the ideas to an advisory panel consisting of members representing DST, MSME, Industry and Academia. 7. Other short-listed projects were also mentored. Apart from this, Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes, Faculty Development Programmes are organised for the benefit of Faculty and Students. Interaction and interning with practising entrepreneurs is also facilitated. Also, the awareness regarding IPR, Start-up Registration, Finance, business opportunities, processes, technologies, market, etc. are given. Evidence of success ? Learning by Doing Having acquired this skill of learning by doing, students showed progress in academic performance and in their project work which forms a part of the curriculum. The shortlisted students and their project work motivated other students to look at i-cell and e-cell as an opportunity to emerge as successful intrapreneur / entrepreneur. The entrepreneurial eco system on campus was building momentum. ? Students Participation in Competitions Students of i-cell and e-cell participated in competition like NASSCOM, Hackathons, GSEA, Google Summer of Code (GSOC), IIT PALS (consecutive winners for the past 3 years), Mozilla FireFox, Yahoo Hackathon, AICTE –Smart India Hackathon(consecutive winners for the past 2 years) and several other events. 36 Patents have been filed in the past 5 years

and 10 have been published. ? Entrepreneurship Trained Faculty The management encouraged faculty to get trained by NEN and NSTEDB sponsored EDCs as entrepreneurship educators who in turn trained other faculty and students. This enabled the faculty to intertwine curriculum and entrepreneurship in their class room teaching which helped students see entrepreneurship as another career path. ? Skill Development The participation of students in all these activities developed in them the following skills ? Communication skill ? Presentation skill ? Team building skill ? Negotiation skill ? Decision making skill ? Networking skill ? Time management skills ? Social skill ? Entrepreneurs from IEDC IEDC has successfully turned about 160 students as entrepreneurs in the Field of technical, Service, Hospitality, Software development etc. Best Institutional Award for Entrepreneurship: Won the prestigious SEED-2016 award by the Society for Educational and Entrepreneurship Development (SEED) at the India International Centre, New Delhi. Bagged The Runner-Up Award in National E-Week 2015 16 Conducted By National Entrepreneurship Network (NEN) ? Funding from DST In the year 2010 , the National Science Technology Entrepreneurship Development Board (NSTEDB), DST India, approved the establishment of IEDC with the grant-in-aid of Rs.44.5 Lakhs (Rs.4.45 Lakhs as Non-recurring budget Rs. 8 Lakhs / year as recurring) covering a period of five years until 2015.The IEDC Grant-in-aid is a unique initiative by the Government to impart knowledge based and innovation driven hands on experience to students while pursuing their graduation studies. ? KCG Innovation Incubation and Entrepreneurship Centre (KCGIIEC) The experience of operating a campus company has enriched the skills to become their own boss. This achievement of i-cell and e-cell made our management to invest in setting up a Technology Business Incubator- KCGIIEC in 2015. Today, this TBI houses 6 businesses operated by entrepreneurs from the community as well as alumnus of KCG College of Technology. About 7 companies matured from KCGIIEC. It also provides opportunity for students to intern with the incubatees. In 2016-17, KCGIIEC has been approved by MSME as Host Institution / Business Incubator to function in the premise of KCG College of Technology. This grant will nurture the incubatees(to a maximum of 10) with a financial support of Rs.6.25 lakhs for a period of one year.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://kcgcollege.ac.in/pdf/media/Best-Practices-20.pdf

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 Feature : Holistic professional development through KCG Clubs " To make every man a success and no man a failure" – Dr. K.C.G.Verghese, Founder Chairman Aligning our motives to the vision of our beloved Chairman Dr. K.C.G Verghese, our college focuses on holistic education. The main objectives of holistic education are learning about oneself, developing healthy relationships and positive social behaviors, social and emotional development, resilience, and the ability to view beauty, experience transcendence, and truth.Holistic education notes that students need to not only develop academically, but develop the ability to survive in the modern world. They need to be able to rise and face the challenges presented to them in the future and contribute to the world in which they live. Students need to learn to first value themselves, their worth, and recognize their abilities and how to be able to do what they want in life. With this perspective of sensitizing them to the needs of the society, we have established 22 clubs including technical, non-technical and social clubs during the first year of every UG programme offered in the institute. The technical clubs are liable for forming SIG (Self Interest

Groups) later in the departments and the non-technical clubs both cultural and social, help in grooming the students as socially responsible citizens. Clubs offer a fun means of developing and honing leadership skills and the ability to work collaboratively. Club activities do engage in a rich variety of opportunities to distinguish one-self while enjoying the communion of fellow students who share the same passion and interests. These clubs function on every working saturday in the afternoon sessions. Technical Clubs: 1. Aero Modeling 2. Mobile Apps 3. IoT 4. Robotics 5. Programming 6. B2L 7. Project 8. Women's Coding and 9. KML2 Non-Technical / Social Clubs: 1. Music 2. Dance 3. Quiz 4. Photography 5.Civil Services Aspirants 6. MUN 7. Dramatics 8. Toastmasters 9. Rotaract Out-Door Clubs: 1. Horse Riding 2.Sports 3. Fitness 4.Cycling The objectives and recent activities are available in the college website and a link to the website is provided below.

Provide the weblink of the institution
https://kcgcollege.ac.in/academic-support/clubs/

8.Future Plans of Actions for Next Academic Year

 (1) NBA accreditation for few other departments like aeronautical etc. (2) Improving the h – index of the institutional publications (3) Improve the per capita research publications of the institute (4) Improving the number of internships to enhance employability (5) Streamlining the Buddy system to improve the peer learning (6) Introduction of Foreign languages training programs to improve the placement opportunities in the Core area.