



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
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
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

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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
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	DST/NRDMS	2019 730	3310252

	sustainable urban storm water management			
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

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

Yes

Upload latest notification of formation of IQAC

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10. Number of IQAC meetings held during the year :

4

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

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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.

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

Plan of Action	Achivements/Outcomes
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 Examinations	Internal Exam Papers are Evaluated 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

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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 description and a list of modules currently operational (maximum 500 words)	<p>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.</p>

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. Exp

The Institution ensures effective curriculum delivery through a well documented process • Vision, Mission, PEO, PO, PSO and Course Outco

well-defined and OBE is followed • Every department has a Department (DAB) with various stakeholders which meets every year to review suggestions for the next academic year • Various changes / suggestions in curriculum are given to the University through the DAB minutes and all faculty members in syllabus subcommittee. • Programme Assessment Committee comprising of senior faculty members monitors the academic activities of the institution academic schedule for each semester is prepared well in advance the Anna University (AU) academic schedule strictly • Before the commencement of a semester, the course allotment is done based on faculty competency and each faculty prepares the Course Delivery Plan (CDP), lecture notes, question bank and Time table will be prepared including value added courses, training and project hours • Various active learning methods like project based learning and flipped learning adopted by the faculty to engage the students effectively • A conducive learning environment is given to the students by providing smart class facilities, Videoconferencing facilities, and NPTEL facilities to improve the effectiveness of curriculum delivery • Practical courses are given more emphasis with experiments beyond the syllabus • Tutorial classes are conducted for all courses for enhancing their problem solving skills • Apart from Library books for all courses are issued to the students from Hindustan Book Company every semester. • Feedback about courses are collected in order to monitor the quality in formal and informal way. Class committee meetings and online course evaluation are conducted twice in a semester. Principal, Dean-Student affairs and HODs collect feedback from students. • IQAC collects feedback from their student's and prompt action will be taken. • Centralised internal assessment is conducted by setting two sets of question papers with evaluation of each course. Centralised Evaluation of papers by exchanging among the faculty of each course. • The evaluated answer sheets are given to the students and the results are also communicated to the parents • Slow learners are identified and given special attention by conducting remedial classes • Students with good academic performance and outstanding co-curricular activities are motivated by several measures through Innovation and Entrepreneurship Development Cell (IEDC) • Students are encouraged to publish their project work in Conferences / Journals to enhance their research in the young Minds • Mentoring or Counseling is done to support students to improve their performance • Industrial collaborations are encouraged and promoted in order to expose students to the current industrial needs. Various projects are being arranged through the MOU's on regular basis • Various Centres of Excellence (CoE) and research labs pave the way to interdisciplinary projects and the upgradation of faculty skills is done by sending them to industrial visits 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 employability/entrepreneurship
KCG - Bosch JCC	NA	24/02/2020	2	Yes
Network Essentials- Foundation Course- Introduction to Networks	NA	30/11/2020	5	Yes
Cisco Networking Academy - IOT Fundamentals- Connecting Things	NA	30/11/2020	5	Yes

Cisco Networking Academy - IOT Fundamentals-Connecting Things	NA	07/12/2020	5	Yes
MATLAB Certification-Associate (1st Level)	NA	30/11/2020	5	Yes
MATLAB Certification-Associate (1st Level)	NA	07/12/2020	5	Yes
Java Full Stack	NA	30/11/2020	5	Yes
Java Full Stack	NA	07/12/2020	5	Yes
Embedded World	NA	05/12/2020	2	Yes
UAV Pilot Training	NA	02/12/2019	4	Yes

1.2 - Academic Flexibility

1.2.1 - New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates c
BE	Aerospace Engineering	19
BE	Mechatronics Engineering	19

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1.2.2 - Programmes in which Choice Based Credit System (CBCS)/Elective course system implement Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation Course S
BE	Aeronautical Engineering	19/06/
BE	Aerospace Engineering	19/06/
BE	Automobile Engineering	19/06/
BE	Civil Engineering	19/06/
BE	Computer Science and Engineering	19/06/
BE	Electrical and Electronics	19/06/
BE	Electronics and Communication	19/06/
BE	Electronics and Instrumentation Engineering	19/06/
BE	Mechanical Engineering	19/06/
BE	Mechatronics Engineering	19/06/
BTech	Information Technology	19/06/
BTech	Fashion Technology	19/06/
ME	Communication Systems	19/06/
ME	Computer Science and Engineering	19/06/
ME	Engineering Design	19/06/
ME	Power Electronics and Drives	19/06/

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

	Certificate	Diplom
Number of Students	2050	1

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	Nur
3d Printing	25/06/2019	
Industrial 3rd Dimension by Dassult systems	25/06/2019	
3D Printing for Automobile and Aeronautical Engineers	25/06/2019	
Certified Solid Works Associate (CSWA)	26/06/2019	
Autonomous Vehicles	01/08/2019	
Automotive Technology by Goodwin Motors	02/12/2019	
Car Simulator	12/09/2019	
Industrial Product Analysis using HYPERMESH Software	12/10/2019	
Dismantle and Assemble of two wheeler vehicle	12/11/2019	
CR Injector and Diagnosis	24/02/2020	

[View File](#)**1.3.2 - Field Projects / Internships under taken during the year**

Project/Programme Title	Programme Specialization	No. of students enrolled Internsh
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

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1.4 - Feedback System

1.4.1 - Whether structured feedback received from all the stakeholders.

Students	
Teachers	
Employers	
Alumni	
Parents	

1.4.2 - How the feedback obtained is being analyzed and utilized for overall development of the ins (500 words)

Feedback Obtained

Internal feedback systems are important for the growth of every entity Education Institutions are gradually defining new routes for greater a and teaching effectiveness, feedback systems provide some answers to i educational outcomes. The design of a performance feedback system for Education Institutions would ensure that information regarding the per the various key stakeholders in the institution have adequate informat them improve upon performance. Institution improvement is the main obj design of this feedback system but on the other hand the issue of acco the promotion of Institution choice by parents, students and other coo who wish to enroll their staff is very important. The content of the i the school's performance would be identified as broad. Thus, Instituti under this context would be a contextualized measure for fair comparis to take account of the factors beyond the control of the school which as 'value added'. Another factor that would be considered would be the performance under the system which would include absolute performance may equally relate to non-academic outcomes such as behavioural and af information that would be provided on the functioning of Higher Educat Institutions would relate to organizational process measures such as r subject matter taught, the instructional method used, the structure of organizational structure of the institution and the nature of leadersh

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 Appl received
BE	Electronics and Communication Engineering	120	448
BE	Computer Science and Engineering	120	582
BE	Civil Engineering	30	300
BE	Automobile Engineering	30	171
BE	Aeronautical Engineering	60	561
BE	Aerospace Engineering	60	144

BE	Electronics and Instrumentation Engineering	30	51
BE	Electrical and Electronics Engineering	60	287
BTech	Information Technology	60	578
BE	Mechanical Engineering	90	540

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2.2 - Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses
2019	2033	17	179	12

2.3 - Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms
191	191	20	47	10

[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 department of Basic Engineering Science and second, third, fourth year students will have mento department. Departmental faculties will continue to be mentors for the same group of students t The group including combination of second, third and fourth year students except first year stude

The mentor will perform the following functions. 1. Meet the group of students at least twice Continuously monitor, counsel, guide and motivate the students in all academic matters. 3. Advise choice of electives, project, summer training etc. 4. Contact parents/guardians if situation dem irregularities, negative behavioral changes and interpersonal relations, detrimental activities etc. their career development/professional guidance. 6. Keep contact with the students even after t Intimate HOD and suggest if any administrative action is called for. 8. Maintain a detail progres student (format attached). 9. Maintain a brief but clear record of all discussions with s

Number of students enrolled in the institution	Number of fulltime teachers	Men
2050	191	

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
180	191	0	22

2.4.2 - Honours and recognition received by teachers (received awards, recognition, fellowships at 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, fellow Government or reco
2020	Dr K Vijaya Raja	Professor	Best Professor and F Chennai br
2019	Dr. T. Mothilal	Professor	NPTEL Enthusiast
2019	Dr. T. Mothilal	Professor	Elite Silver Catego for NPTEL C
2020	Dr.S Cloudin	Associate Professor	IET Volunteer Core 2020 - Teamwo
2019	Ms.Minu Susan Jacob	Assistant Professor	Inspiring Faculty December-Campu
2019	Dr. M Krishnamurthy	Professor	IET Smart City
2019	Dr. BALAJI A	Assistant Professor	Inspiring Faculty December-Campu
2020	Humaira Begum I	Assistant Professor	Mentor Award and Be award for the inte symposi
2020	Dhanalakshmi R	Professor	Best Project Awa
2019	Dr. T. Anuradha	Professor	Best Professor in Engineering

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2.5 - Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declar semester-exai
BE	110	II / I	27/03/2020	17/0
BE	101	II, IV, VI, VIII / I, II, III, IV	27/03/2020	17/0
BE	102	II, IV / I, II	27/03/2020	17/0
BE	103	II, IV, VI, VIII / I, II, III, IV	27/03/2020	17/0

BE	104	II, IV, VI, VIII / I, II, III, IV	27/03/2020	17/0
BE	106	II, IV, VI, VIII / I, II, III, IV	27/03/2020	17/0
BE	107	II, IV, VI, VIII / I, II, III, IV	27/03/2020	17/0
BE	105	II, IV, VI, VIII / I, II, III, IV	27/03/2020	17/0
BTech	205	II, IV, VI, VIII / I, II, III, IV	27/03/2020	17/0
BE	114	II, IV, VI, VIII / I, II, III, IV	27/03/2020	17/0

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2.5.2 - Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (25

The institution is affiliated to Anna University, Chennai and the evaluation is followed as per the University guidelines. The quality of education is the direct outcome of knowledge implanted and evaluated in the examination. The education process in any discipline of learning is centered on getting good level of success rate in the examinations. The entire effort put in by the teachers on teaching and 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 method. • Emphasize on students to perform consistently and not study in a sporadic manner. • Process of Internal Tests Question Papers Setting • The Exam Cell will handle the activities related to the conduct of Internal Assessment Tests. • The institution has Test Coordinator to facilitate the examination process in a smooth manner. • Question Papers for internal assessments are prepared by keeping Bloom's Taxonomy Levels as reference. • Two sets of question papers along with solutions are collected for each course. The question papers are checked for the content 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 units is conducted at the end of the semester to test the students' conceptual understanding and make them confident. Criteria for Evaluation • All the answer scripts are collected and checked by PAC. Evaluation of internal assessment is rated based on Bloom's Taxonomy Level and the CO, PO and PSO to which it corresponds. Dependence on the CO attainment and corresponding attainment of PO and PSO for the course are analyzed and appropriate actions are suggested and implemented. • Corrected answer scripts are distributed to students by the faculty at the end of the schedule and the solutions for questions are discussed with the students in the classroom. • Marks are entered in the college database for future reference. • Results are 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 and regular counseling. • Internal Marks are calculated by the University based on their performance in the internal assessment. • The university question paper will be discussed with the students and feedback will be collected from the University based on the needs. Assignments Assignment is a type

learning activity in which the students' level of understanding about conveyed to the faculty. The assignments are focused on developing interpersonal and collaborative skills of the students. Hence, the assessment of the students through assignments will enhance their thinking.

2.5.3 - Academic calendar prepared and adhered for conduct of Examination and other related mat

Academic year starts on the date as prescribed by Anna University. The publishes in advance, the academic calendar containing plans for curricular activities based on the available working/teaching days as norms. The institution academic calendar for each semester is designed university academic schedule. Allotment of Courses and Preparation of Before the commencement of the semester, the time-table coordinator ci course option form which has details of faculty competency to each fac Based on that, the HoD will allot appropriate courses to all the facul the course allocation, the time table coordinator will frame the time the interdisciplinary courses, the respective departments will be requ proper channel to handle the respective courses. • In addition, value are also conducted to enhance the knowledge, bridge the gap in the cur meet the Industry expectations. • Slow learners are closely monitored addition to the regular classes, week end classes are being handled to their needs. • Bright students are motivated to score high grades and university ranks. The Head of the Department circulates the template o delivery plan upon instruction from the Principal. Based on the academ given by the University, the CDP is prepared by the course handlers an the course coordinator. All the CDPs will be then submitted to the HoD Every course has five units as prescribed by the Anna University curri the semester, after every planned unit completion, a 'Lesson Plan Foll is circulated to all the faculty and will be asked to fill the status of the Unit. The HoD reviews the lesson plan follow up format. If any found in completion, the HoD will discuss the matter with the individu The lesson plan follow up format is then submitted for Principal's rev an academic counsellor appointed by the Principal/HOD for each year of who monitors the day- to- day conduct of the lectures based on the tim

2.6 - Student Performance and Learning Outcomes

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

<https://kcgcollege.ac.in/departments/computer-science-engineerin>

2.6.2 - Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of stu passed in fina examinati
410	ME	Manufacturing Engineering	2	2
403	ME	Computer Science and Engineering	2	2
205	BTech	Information	48	48

		Technology		
114	BE	Mechanical Engineering	100	94
107	BE	Electronics and Instrumentation Engineering	36	36
106	BE	Electronics and Communication Engineering	86	86
105	BE	Electrical and Electronics Engineering	73	73
104	BE	Computer Science Engineering	98	98
103	BE	Civil Engineering	57	57
101	BE	Aeronautical Engineering	74	73

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2.7 - Student Satisfaction Survey

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

<https://drive.google.com/file/d/16VkkHOb4rnZxVufQOqG1GmvacPt1dQ8x/view>

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
Major Projects	14	AICTE	4.42	
Major Projects	18	AICTE	3	
Major Projects	1095	AICTE	7.88	
Major Projects	730	Aeronautics RD Board	21.58	
Major Projects	365	AICTE	1.1	
Major Projects	1095	DST/NRDMS	33.1	
Major Projects	1095	AICTE	15.56	
Major Projects	365	ZERO Discharge Technologies	3.25	
Major Projects	730	AICTE	9	
Major Projects	730	AICTE	7.49	

[View File](#)**3.2 - Innovation Ecosystem****3.2.1 - Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia during the year**

Title of workshop/seminar	Name of Dept.
Introduction to Open Foam for CFD Analysis	Aero
Awareness session on Intellectual Property Rights	EEE
IPR and IP Management Awareness	EEE
Mechanical Engineers Association	Mechani
Application of Robotics in Industries/ Guest Lecture	Mechani
Guest Lecture Alumini interaction - How to become an entrepreneur	Mechani
Virtual Lab for Dynamics Lab Experiments	Mechani

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
Bharat formula Karting	Edwin Emanuel, Ruban Ford, Siraj, Stephen, Siddharth	CADD Technologies	13/09/201
HITSATHONV3.0	Arut Selvan .S	Hindustan Institute Of Technology Science, Chennai	31/08/201
Analyze	Arut Selvan. S, Abhishek Kumar	IIT PALS	23/07/201
Best man Machine interaction	C. Aasish, Nandhini, Mohan Rishikesk, Balaji, Ajay Krishna, Dhanush Anand, Abishek, Sanjeevi, Ganesh Karthik, Sabarish	IARC-AUVSI	30/08/201
Ford Paper Presentation Contest	Suraj D Aaron Peter	Ford Motor Private Limited, Chennai	30/10/201
Hackathon 2019	Akash S, Elavarasan	Hindustan Institute of Technology and Science	13/12/201
Hackathon 2019	Vijay Prabhakaran	Hindustan Institute of	13/12/201

		Technology and Science	
Brakes India Hackathon 2020	D. Suraj, Ulaganathan, Ravindrakumar	Brakes India Private Limited	07/02/2021
Best Professor in Electrical Engineering Studies	Dr. T. Anuradha	Dewang Mehta National Education	31/12/2020
InfyHackathon	Muzammil Sait A, Antonyraj A, Logithkumar B	Infosys	08/01/2021

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3.2.3 - No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up
KCG Incubation Centre	Innovation, Incubation and Entrepreneurship Cell	KCG College of Technology	Vayuradha	Manufacturing

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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 Ph.Ds
Electrical and Electronics Engineering	
Information Technology	
Mechanical Engineering	
Science and Humanities	

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

Type	Department	Number of Publication	Average
International	Aeronautical Engineering	2	
International	Automobile Engineering	4	
International	Civil Engineering	6	
International	Electronics and Communication	11	

	Engineering		
International	Electrical and Electronics Engineering	19	
International	Electronics and Instrumentation Engineering	9	
International	Fashion Technology	3	
International	Information Technology	14	
International	Mechanical Engineering	9	

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3.3.4 - Books and Chapters in edited Volumes / Books published, and papers in National/International Proceedings per Teacher during the year

Department	Number
Science and Humanities	
Information Technology	
Fashion Technology	
Electronics and Instrumentation Engineering	
Electronics and Communication Engineering	
Computer Science and Engineering	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institution mentioned in publication
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
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
An Aspect based	Kani Priya,	International	2020	0	KCG College of Technology

Sentimental Analysis Approach using Deep Neural Networks and Artificial Fish Swarm Optimization to Analyze the Sentiments in Tweets	Krishnaveni R, Krishnamurthy M., Bairavel S.	Journal of Advanced Science and Technology			of Tec
Analyzing social emotions in social network using graph based co-ranking algorithm	Kani Priya, Krishnaveni R, Krishnamurthy M., Bairavel S.	International Journal of Technology and Human Interaction	2020	0	KCG C of Tec
Performance of solar parabolic dish thermoelectric generator with PCM	Dr T.Mothilal	Materials Today: Proceedings	2020	0	KCG C Techno Collo Techn
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 C of Tec
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 C of Tec
Effect of silicon coupling grafted ferric oxide and E - Glass fibre in thermal stability , wear and tensile fatigue behaviour of epoxy hybrid composite	Dr T.Mothilal	Springer publication	2019	0.3	KCG C of Tec
Thermal and flexural properties of caryotaurens palms fiber - reinforced	Dr T.Mothilal	A Journal of Composition Theory	2020	1.8	KCG C of Tec

polyester composites					
Predominant Factor Prediction To Accelerate Growth Of Quick-Service Restaurants (QSR)	Syam Narayanan S	International Journal of Scientific Technology Research	2020	0	KCG C of Tec

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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
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	Nil	15	23
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	Nil	15	20
Developing efficient intrusion tracking system using region based traffic impact measure towards the denial of service attack mitigation	Dr. Krishnamurthy M	Journal of Computational and Theoretical Nanoscience	Nil	15	20
Experimental studies on engine performance and emission characteristics using castor biodiesel as fuel in CI engine	Arunkumar M., Kannan M., Murali G.	Renewable Energy	Nil	15	20

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
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
Chaotic dynamics of a zero average dynamics controlled DC-DC Ćuk converter	Dr Deivasundari P.	IET Power Electronics Today: Proceedings	Nill	15	26
A fixed bed column study for the removal of Pb ²⁺ ions by watermelon rind	Dr Lakshmipathy R	Environmental Science: Water Research and Technology	Nill	15	27
Experimental investigations to study the characteristics of rubber-seed-oil-fueled diesel engine supplemented with diethyl ether	Dr Nagalingam B.	Energy and Fuels	Nill	15	28
Linear open circuit voltage-variable step-size-incremental conductance strategy-based hybrid MPPT controller for remote power applications	Dr. Deivasundari.	IET Power Electronics	Nill	15	28

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

Number of Faculty	International	National
Attended/Seminars/Workshops	84	553
Presented papers	50	165
Resource persons	5	6

[View File](#)

3.4 - Extension Activities

3.4.1 - Number of extension and outreach programmes conducted in collaboration with industry, co 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 participants
Teach to reach at Echoor Village	NSS/NCC/CSR	5	
Infrastructure development at Pattikadu/Puliyur	NSS/NCC/CSR	15	
First Aid Awareness Program at Pulikundram	NSS/NCC/CSR	5	
Technology demonstration to the farmers of Acharavakkam	NSS/NCC/CSR	5	
Women Empowerment to the women of Irumbedu	NSS/NCC/CSR	5	
Youth Health Mela	NCC	5	
Tree Plantation	NCC	5	
Quiz and Debate Competition	NCC	5	
Coastal Cleaning Event	NCC/NSS/ECB	5	
Campus cleaning	NCC/NSS	5	

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3.4.2 - Awards and recognition received for extension activities from Government and other recognised bodies during the year

Name of the activity	Award/Recognition	Awarding Body
Student Solar Ambassador Workshop	IIT Bombay	IIT Bombay
Demonstration of innovative technologies for advancement in agriculture	Unnat Bharat Abhiyan	Unnat Bharat Abhiyan
Student Solar Ambassador Workshop	Energy Swaraj	Energy Swaraj

	Foundation	Foundation
Popularisation of science	TNSCST Popularisation of science	TNSCST

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3.4.3 - Students participating in extension activities with Government Organisations, Non-Governmental Organisations, etc. during the year

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

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3.5 - Collaborations

3.5.1 - Number of Collaborative activities for research, faculty exchange, student exchange during

Nature of activity	Participant	Se f s
Patent	Dr. T Mothilal	
Funded Project - Wind Driven Air Storage System	Dr. P. Deiva Sundari Mr. K. Karthikeyan Ms.Ammal Dhanalakshmi	Na In o E (
Design,Modelling,Simulation,Analysis,Demonstration of Contactless ,Battery charging system using Inductive Coupling	Dr.P.Deiva Sundari, Mr.S.Balaji, Ms.Brindhasakthi	
On job Training (Internship)	Siraj AL Ahmed	Uni Not Ma
Internship	Mr. Mukesh Kanna	C
Internship	Ms. Alamelumangai Ms. Lavanya Ms. Keerthana R Ms. Srimathi	C
Post Doctoral Fellowship	Dr. Vignesh kumar	

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3.5.2 - Linkages with institutions/industries for internship, on-the- job training, project work, shari 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	Dura
Industry	Training	Pratt Whitney	16/12/2019	24/0
Industry	Training	Pratt Whitney	01/12/2019	31/0
MoU	KCG - BOSCH Joint Training Centre	Bosch Limited	03/02/2020	31/1
MoU	Memorandum of Understanding	X1 Racing	03/05/2019	31/1
Project work	Geospatial Applications	Madras University	01/06/2019	31/1
TTT (Train the Trainer)	Intern-Technology	Virtusa Consulting Services Private Limited	04/05/2020	05/0

Center of Excellence	AWS Academy Certified Cloud Practitioner	AWS	01/12/2019	13/1
INFYTQ	INFYTQ training	Infosys	01/01/2020	31/1
Internship	On Job Training	Ashok Leyland, Ennore	25/06/2019	02/0
Internship	On Job Training	University of Nottingham, Malaysia	01/07/2019	17/0

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

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

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CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure
1050	1035.97

4.1.2 - Details of augmentation in infrastructure facilities during the year

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

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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
PALPAP InsproPlus	Fully	Version 17

4.2.2 - Library Services

Library Service Type	Existing		Newly Added		
Text Books	1957	347463	462	175086	241
Reference Books	214	255660	0	0	21
e-Books	10466	27140	184	13570	106
Journals	239	769612	128	377162	36
e-Journals	4	1357754	1017	651899	102
Digital Database	601	0	0	0	60
CD & Video	1973	30000	0	0	197
Library Automation	1	100000	0	0	1
Others (specify)	905	44532	0	0	90
Others (specify)	3405	22000	0	0	340

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4.2.3 - E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional Management System (LMS) etc

Name of the	Name of the Module	Platform on which module is	Date
-------------	--------------------	-----------------------------	------

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

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4.3 - IT Infrastructure

4.3.1 - Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	B (M
Existing	831	12	800	0	0	42	113	
Added	0	0	0	0	0	0	0	
Total	831	12	800	0	0	42	113	

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
Dr. Lakshmipathi	https://youtu.be/OA_IRWi71t
Dr. Jaya	https://youtu.be/oSNdByAAr1
Dr. R. Dhanalakshmi	https://youtu.be/evWmB1JdL
Dr. N. Bharathi	https://www.youtube.com/watch?v=VSHhU4Z3BV4&feature=emb_1c
Ms. Nagalakshmi	https://www.youtube.com/watch?v=_t
Dr. Jose Anand	https://youtu.be/RivJpFdGVe
Dr. Vandhana	https://youtu.be/H1ij8JUWM
Dr. Andal	https://youtu.be/4qRJSaBsH
Mr. J. John Alexander	https://youtu.be/-7iHezTGD
Dr. K. Karthikeyan	https://youtu.be/A8nqI7Fty

Dr. Kavitha Balamurugan

<https://youtu.be/0Xzg2zr6Kk>

Dr. R. Amrutha

<https://youtu.be/VPvuIGJsA>

4.4 - Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1000	1114.88	4500	4500

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

There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, classrooms etc. The college has appointed personnel for maintaining facilities such as buildings, transport, Electrical, gardening etc. Admin manager visits on regular basis and fulfill the requirement to ensure the building is safe and secure for the occupation and usage. The furniture's are maintained systematically and painting works. If there are complaints Separate registers are maintained for various services. Complaints can be registered through Ledger or through e-mail or electronically. Regular cleaning of classrooms, laboratories, equipment, and restrooms are being done by the team. Stock verification of all labs and other facilities is done at the 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. They are maintained in such a way that is suitable for public gathering and the facilities are applied during the maintenance time to keep the occupants healthy. 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, annually and respective registers are maintained in the laboratories. As per requirement, minor repairs are carried out by the lab instructors or outsourced. 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 2. After approval, Quotation for service is called for and the service provider is Identified and forwarded to the principal 3. After service is carried out in the presence of Lab-in-Charge 4. After service completion statement and bills are submitted to the accounts Maintenan

Laboratories Maintenance of computers is taken care by an in-house IT team. Preventive maintenance and breakdown maintenance procedure is followed for computers. Antivirus and firewall ensure that the software and system are secure. Status check on the hardware and software condition of the machines is done regularly. If the same is noted in a register. Breakdown maintenance wherein the system faces a problem or boot failure is recorded Transport facility Transport facility is provided by the transport department. The vehicles (buses, Cars) are maintained and ensures a hassle free transportation to staff and

<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
Financial Support from institution	KCG Verghese Memorial Scholarships, Sports Scholarships, Other Freeships (IIT PALS, FORGE, SIH, SAE SUPRA etc)
Financial Support from Other Sources	
a) National	State Govt / SC ST (Post Metric Scholarship Scheme), State Govt / SC ST, BC MBC, First Graduate
b) International	NA

[View File](#)**5.1.2 - Number of capability enhancement and development schemes such as Soft skill development coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,**

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled
Remedial Classes	13/05/2020	15
Coaching	26/03/2020	60
Personal Counselling	01/05/2020	25
Mentoring	02/05/2020	13
Yoga Day	21/06/2019	53
Opportunities for self-development in the lockdown - presentation by students	06/04/2020	12
AWS Academy Cloud Foundations (ACFV2EN-230) Digital Certification Course	20/04/2020	50
Cloud Literary Day-2019	14/09/2019	100
AWS Cloud Master Programme 2019	08/08/2019	100

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5.1.3 - Students benefited by guidance for competitive examinations and career counselling offered 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 participated in the competition
2019	UPSC Awareness, TNPSC Awareness, US BOOT Camp, Australian Education Fair, Awareness on civil services	351	391	1
2020	UPSC Awareness, TNPSC Awareness, US BOOT Camp, Australian Education Fair, Awareness on civil services	145	151	1

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5.1.4 - Institutional mechanism for transparency, timely redressal of student grievances, Prevention of 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	
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated
66	578	248	43	578

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5.2.2 - Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Number of students
2020	1	BE	Civil	Manipal academy of higher education	1
2020	1	BE	CSE	MACQUARIE, AUSTRALIA	M.C
2020	1	BE	CSE	MIT CHENNAI	1
2019	1	BE	EEE	PSG Institute of Management	1
2019	1	BE	EEE	Anna university	M.

				, Chennai	
2019	1	BE	EEE	University of Texas	1
2019	1	B Tech	IT	SASTRA University	A
2019	1	B Tech	IT	PU-LCS Twinning Programme- Loyola Campus	
2019	1	B Tech	IT	ISEP- Institute Superieur d' Eletronique de, Paris	IS 1
2019	1	B Tech	IT	IFIM Business School, Bangalore	

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

Items	Number of students selected/ qualifyir
NET	0
SET	0
SLET	0
GATE	5
GMAT	0
CAT	1
GRE	0
TOFEL	1
Civil Services	0
Any Other	4

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

Activity	Level
Dr.KCG Verghese Memorial State level inter school Chess Tournament	State
Zeppelin 19	Institutiona
National Unity Day	Institutiona
Engenius 2019	Institutiona

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

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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 staff members deliberately involve in their Department newsletter preparation. All department symposia are completely planned and conducted by student council 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 are (i) Discussing problems experienced by students in the class room and (ii) Informing the student representatives, faculty and staff about the class problems. The class committee is constituted within the first week of each semester. Two subsequent meetings are held in a semester at suitable intervals before the internal assessment. Feedback The online feedback is taken twice in a semester. It is taken from the students for each course. Corrective actions are taken based on the feedback of each course. Interactive Feedback by Principal Dean-Students The Principal Dean-Students obtains feedback on the regular progress of the courses is obtained by the Principal Dean-Students once in a semester during the interactive session with a group, normally consisting of a ratio of boys and girls, totaling 9 students ranging from slow-learner to the best performer.

learners, inclusive of day-scholars and hostellers. IQAC The main objective is to develop a system which will consciously work and serve as a catalyst for the academic and overall performance of the institution. IQAC has received feedback from both faculty and students. The team is currently working on the ways 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 to identify the problem, brainstorming and to develop solution that can be implemented on a common platform. The student's team frequently addresses the fellow students to get their suggestions and feedback for the overall benefit of the student's community. Other Co-Curricular Activities: Students are actively involved as Cultural and Sports Coordinators, House Captains, etc. • The NSS unit at KCG was started in 2004 and is fully manned by students. The various programmes conducted by the NSS have brought about a positive change in the outlook of the students and their attitude towards life. The NCC unit was started in 2009 with an aim to develop character, discipline, leadership, secular outlook, spirit of adventure, and the spirit of selfless service amongst the cadets. • Students' chapters of various Clubs: Bodies like IET, IEEE, SAE, CSI, ISIS, and IE are actively taken for the benefit of students • The 'Cloud 10 Bazaar' is an annual feature where students learn and experience first-hand, the joys and difficulties of marketing, and develop 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 maintain an alumni register as members of the association and to facilitate active participation of the alumnae in appropriate activities, events, and initiatives of the institution. The KCG Connect Alumni Association is an official unit of the Institution. The primary objective of facilitating the pleasant and friendly interface between the Tech alumnae and creating a single connect of KCG Tech fraternity. The Institution is really proud of its brilliant alumni who are currently positioned all over the world and have distinguished themselves in all spheres of high-end engineering and technology. The main aim of the KCG Connect Alumni Association is for the benefit of the institution by providing contributions voluntarily to our Institution and for maintaining and expanding the institution's development. KCG Connect: In this era of social media and networking, the connect with their past students needs to be established. A strong and a positive relationship with their alumni can benefit the institution socially, academically and professionally. On that we have our college page named KCG Connect on Facebook with many active members in it who eventuate alumni activities which is beneficial for students, college management and the institution. The link for kgc connect page is www.kgcconnect.in. Career Guidance Meetings: 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 active in committees thereby providing aids to identify the curriculum gap which exists in the institution 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 on career and interpersonal skills guidance. Experiences that are shared

with students whether in time management, financial management, development of discipline and character, or in career management can be more easily a guidance and inspiration by students. In 2020 itself, nearly 26 webinars were conducted by our alumni. Alumni Fund : Our alumni association has been and a bank account is being maintained effective from Nov 2017 and has 3,72,677 which is utilized for various activities. Alumni Meet: Alumni 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 HG Convergence Meet. Many Alumni were nominated for Awards under various Young Achiever Award was given to Jegatheeswaran P, Deputy Collector, Tamil Nadu. Alumni Survey: A survey is taken every year which is a valuable 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 (in 100 words)

The Principal is the Head of the Institution and he ensures that the institution is created for the smooth functioning of all academic activities, growth, and research pursuits. He periodically conducts meetings where ideas gathered from faculty members are exchanged and decisions regarding the better infrastructure and improvement in the academic life of the students. He creates various committees in consultation with the HoDs. To name a few Committees: IQAC, Disciplinary and Anti-Ragging Grievance and Redressal Committee, RD Committee, Academic Committee. These committees help in the decentralization of work and collective responsibility. Deans and HoDs work for the holistic development of the students. This is done with the help of academic coordinators, class teachers and counselors, academic support, guidance, counsel, address grievances, maintain the records, and communicate student progress to the stakeholders. The institution offers decentralization and participative management practice in the overall schema. • HoDs play a crucial role in decentralizing resources by scheduling the activities of the department and assigning responsibilities to the department faculty. • HoDs have functional responsibilities like proposing the budget, course allocation, framing time table and takes decisions of the department. • Organizing seminars, guest lectures, workshops, conferences, competitions, industrial visits, and in-plant training are often done with the faculty members by the HoD. • Faculty members are involved in the purchase and maintenance of equipment and consumables. • Faculty members are representatives in the Governing Council, DAB, PAC, budget committee and other statutory bodies where important decisions are taken.

main objectives is to mentor the students, as quality citizens for the large, as participative management. • A mentoring system for the is implemented with the participation of the faculty members in the ratio: students to each faculty. • Each and every faculty maintain the record of students' profile. • A schedule is made periodically for monitoring performance. • In addition to the curriculum, the extra-curricular and co-curricular activities are also considered for mentoring. Delegation of Financial Budget is allotted for programmes organized at the institutional level: Graduation Day, Sports Day, Orientation Day, Fresher's Day, Hindustan Conference etc.) and Value Added Programmes (VAPs) such as workshops, lectures, conferences, FDP etc., by the respective departments. Any programme organized is discussed with the Principal. After approval by the management is sanctioned and programmes are conducted. • Annual Budget for the department is prepared by the respective in-charges (lab procurement, etc.) and forwarded to the Management for approval through Principal. Principal and Registrar have been authorized to sanction any expense up to 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

Strategy Type	Details
Admission of Students	<ul style="list-style-type: none"> • For government quota candidates, counselling is done in multiple rounds based on marks. SMS and email alerts will be sent to applicants via their registered ids and mobile number at each stage of counselling, which is organized by Tamil Nadu Consortium of Engineering Admissions (TNEA). The allotted students have to report to the College within the reporting date given by TNEA. • The Management quota are filled through Consortium of Self-financing Colleges. After submitting the filled up application, the Entrance Mark List published by Consortium of Self-financing Colleges, Management shall give admission to the
Industry Interaction / Collaboration	<p>KCG College of Technology has entered into a number of Institution partnerships through Memorandum of Understanding with various organizations for training, technical consultancy. These MoUs enable the students to get Industry plant Training, Placement, and Research Exposure and making them Industry-ready and Competent professionals.</p> <ul style="list-style-type: none"> • SJMSOM (IIT Bombay) • Central Leather Research Institute Chennai • Ramco Systems Ltd • Barry Wehmiller International (P) Ltd • Oracle University • BSNL • Inferno Racing X Ltd of Aditya Patel ArmaanEbrahim • Siemens Limited (SIT) • Robert Bosch Engineering Business Solutions Private Limited India Private Limited • Alfa Machine Tools • MMC Skypco • Guires Solutions Private Limited • ASIA PACIFIC University Technology Innovation • Builders Association of India • Local Network • Signals and Systems (India) Private Limited • Pothigai Power Solutions Private Limited • Mazelon

	<ul style="list-style-type: none"> Private Limited • ProjectGuru (A Division of Vision Tec • EGS Computers India Private Limited • ADROITEC • Palo CyberSecurity Academy • National Institute of Elec Information Technology (NIELIT) • Data Patterns (Inc Limited
Human Resource Management	<ul style="list-style-type: none"> • The smooth running of the college is facilitated committees – the Governing Council, the Management Team Council. • HR Policy Hand Book – available in the col
Library, ICT and Physical Infrastructure / Instrumentation	<ul style="list-style-type: none"> • Innovative teaching aids are used to all classes • B to the students through Book Bank System • Upto 6.00 students can avail the Central Library Facility • In Virtual Labs along with the Laboratory Courses • Dr. A Auditorium Inaugurated with seating capacity of 2000 • setup for Aerospace, Mechatronics, and Automobile I Programme
Research and Development	<ul style="list-style-type: none"> • Scopus, SCI, and Book publishing are rewarded • OD : publications, workshops/seminars with TA/DA and regi given • OD for PhD doing research scholars • Integrated Conference has been organized by KCG-Research Forum students publish their project work in national/int conference/journals • Remunerations for consultanc
Examination and Evaluation	<ul style="list-style-type: none"> • Semester Exams are conducted by Anna University examination has UT1, UT2, UT3, and Model with two set and answers key are submitted to exam cell along wit previous year university questions. • Class test are c marks questions • Central valuation for internal exami valuation for internal examinations • After internal va are entered in the ERP which are viewed by the studen using their login id. • Retests are conducted for al failures beyond working hours.
Teaching and Learning	<ul style="list-style-type: none"> • Assignments of higher order thinking skills are giv Innovative teaching methods • Usage of Smart Class Ro Digital Library • Usage of Google Class Rooms
Curriculum Development	<ul style="list-style-type: none"> • Curriculum is given by Anna University • Any gap in (the Industry needs are discussed in the Department Ac (DAB), and these topics are added as Content Beyond Sy. course or covered in Value Added Programme (VAPs) • C prepare the Content Delivery Plan with the inclusion Beyond topics

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

E-governance area	Details
Planning and Development	<ul style="list-style-type: none"> • Academic schedule and activities for the developmen will be discussed in the HoD's meeting
Administration	<ul style="list-style-type: none"> • The Principal heads the administrative setup and is tl maker with regard to academic and administrative mat (Academic) supports the Principal in various academic Dean (Student Affairs) takes care of the welfare of th

	Registrar ensures good order in college and an atmosphere of academic activity by producing timely and accurate staff rosters, grades, certifications, and other reports. • All have their own respective department offices headed by heads of departments.
Finance and Accounts	• The accounts manager monitors financial transactions of monetary transactions (both the receipts and payments) through a nationalized bank.
Student Admission and Support	• Details available in college website https://kcgcollege.ac.in/admissions/admission-process Admission details and support are provided through ERP. Dedicated admission team works throughout the year.
Examination	• After internal valuation and university results, the grades are updated in the ERP which are visualized by the parents.

6.3 - Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of professional body to which membership is provided
2019	Sreekanta Kumar VP	Cyber Security -NITTTR- Chandigarh	Ni
2019	Buvaneswari K	National Awareness Conference on the Value of Biodiversity and its Conservation-Dr Ambedkar Govt Arts College, Vysarpadi	Ni
2019	Nalini Jayanthi S	9th International conference on Materials Processing and Characterisation-Gokaraju Ranagaraju Institute of Engineering and Tech	Ni
2019	R Adline Freeda	FDP Introduction to cloud Infrastructure Services	Ni
2019	Deepa Jose	Intl Conf on Science Eng Tech-Scibay Publication	Ni
2019	Ramya K	2nd Research Colloquim-NIT Trichy	Ni
2019	Jitha Varghese	2nd Research Colloquim-NIT Trichy	Ni
2019	Deepa Jose	Intl Conf on recent trends in Elec Computing -Saveetha Eng	Ni
2019	Ms. Ammal Dhanalakshmi M	2 day National Seminar Case Studies in power Management strategies for Micro Grid-SSN College	Ni
2019	Mr. Gowtham S	2 day National Seminar Case Studies in power Management strategies for Micro Grid-SSN College	Ni

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6.3.2 - Number of professional development / administrative training programmes organized by the 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)
2019	Three Day Knowledge Enhancement Programme (KEP) on Numerical Relays - Transformer protection	Nil	14/09/2019	16/09/2019	
2019	MATLAB programming 2019	Nil	21/11/2019	21/11/2019	
2019	Workshop on Electrical Schematic drawing	Nil	10/12/2019	12/12/2019	
2019	One Day Seminar on Smart Transformation to E- Mobility	Nil	21/12/2019	21/12/2019	

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6.3.3 - No. of teachers attending professional development programmes, viz., Orientation Programme, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	
IIT Madras Faculty INDUCTION Program	2	02/12/2019	14
IIT Madras Faculty Induction Program	2	20/01/2020	27
Mechanics of Materials	1	14/04/2020	14
Introduction to Engineering Mechanics	1	30/04/2020	30
Electric vehicles and mobility	1	09/05/2020	09
The Importance of AV experience in the Higher Education sector	1	18/09/2019	19
FDP on Teaching Learning	2	27/09/2019	29
FDP on Teaching Learning	8	11/11/2019	14
Train the Trainer for Bosch Joint Certification Course	2	02/12/2019	06
Two day national workshop on " Hands on training on Artificial Neural Network using MATLAB"	1	03/08/2019	04

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	
22	22	7	

6.3.5 - Welfare schemes for

Teaching	Non-teaching	Student
<p>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 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</p>	<p>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 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</p>	<p>Outstanding merit in academic, co-curricular and extracurricular activities suitably awarded by Deserving, meritorious economically weaker students given financial assistance Management for payment of fees including for transport. The university encourages student participation in technical seminar and International) industrial organization academic institution participants are given assistance in the registration fee expenses, etc. The university instituted cash award university rank holder 1st rank (UG) - 1,00,000 (PG) - 50,000 2nd rank - 35,000 each 6th to 10th rank - 20,000 each 11th to 15th rank - 10,000 each The university offers awards and the following categories meritorious student Outgoing Student Award Barrier Award generation graduate Leader Award Best Performer Award Best Student Award Best Researcher Award Best Cadet Award</p>

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 year begins. Annual Budget for the respective department is prepared by the respective in-charges (lab procurement, infrastructure, faculty development, conference/symposium, maintenance, software, consumables) and submitted to the Registrar through Principal by HoDs. Another budget for infrastructure augmentation and maintenance is prepared by the Registrar after 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 discussed in the Management Advisory Board Meeting of the Hindustan Group of Institutions.

External Audits The external audit is done by the Auditors and the audit report is published in our website.

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

Name of the non government funding agencies /individuals	Funds/ Grants received in Rs.	Source
KCG College of Technology	3292978	Self generated

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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	
Academic	Yes	BSI	Yes	
Administrative	Yes	BSI	Yes	

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

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

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

Various awards are given for excellence in specified fields Education, Health, Sports, etc. Emergency personal interest-free loans for medical/natural calamities. Financial support for death of any member in the family. Free consultation provided by the Doctor on campus. Bonus amount is given to drivers during festival season. Medical camps provided.

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

Preparatory Coaching for GATE Other competitive Examination Class Room Teaching Learning Quality improvement methods on Teaching Learning Quality

6.5.5 - Internal Quality Assurance System Details

a) Submission of Data for AISHE portal
b) Participation in NIRF
c) ISO certification
d) NBA or any other quality audit

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
2019	Preparatory Coaching for GATE Other competitive Examination	10/08/2019	10/08/2019	25/08/2019
2019	Class Room observations on Teaching Learning	02/09/2019	02/09/2019	05/10/2019
2019	Laboratory Audit	21/10/2019	21/10/2019	25/10/2019
2019	Quality improvement methods on Teaching Learning (IIT-TLC)	04/11/2019	04/11/2019	06/11/2019

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CRITERION VII - INSTITUTIONAL VALUES AND BEST PRACTICES**7.1 - Institutional Values and Social Responsibilities****7.1.1 - Gender Equity (Number of gender equity promotion programmes organized by the institution)**

Title of the programme	Period from	Period To	Number of beneficiaries
Womem Codeatho 2.0	06/03/2020	06/03/2020	1
WOMEN in Management & Challenges	30/05/2020	30/05/2020	3

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

Percentage of power requirement of the University met by the renewable energy
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 facilities
Physical facilities	Yes	
Provision for lift	Yes	
Ramp/Rails	Yes	
Braille Software/facilities	Yes	
Rest Rooms	Yes	
Scribes for examination	Yes	
Special skill development for differently abled students	Yes	

7.1.4 - Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issue addressed
2019	1	1	02/10/2019	1	Student Solar Ambassador Workshop	Community Outreach Program
2020	1	1	07/12/2020	1	Demonstration of innovative technologies for advancement in agriculture	Community Outreach Program
2020	1	1	02/10/2020	1	Student Solar Ambassador Workshop	Community Outreach Program
2019	3	3	29/11/2019	2	Workshop on Mobile App Development	Skill Development
2019	4	4	02/12/2019	3	Python - a unique way	Skill Development
2020	1	1	10/12/2020	1	Workshop on Ethical Hacking	Skill Development
2020	1	1	29/12/2020	2	The Great Hack 3.0	Skill Development

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

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

7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To
Independence day	15/08/2019	15/08/2020
Teachers Day	05/09/2019	05/09/2020

Womens day	08/03/2019	08/03/20
Republic day	26/01/2020	26/01/20
Cheer Up! Gear Up!! (An experiential and therapeutic session)	14/07/2020	14/07/20
Women Codeathon 2.0	03/03/2020	03/03/20

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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
4. Modernization of infrastructure
5. Enhancement of renewable ener

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 in the classroom to students. Communication skills are important for many professions and are crucial for teachers. Teachers communicate with students, parents and administrators every day. Whether communicated face-to-face, on television, in print, electronically or through the public address system, the messages must be constructed carefully and delivered clearly to be properly received. Effective communication skills will alone be able to convey a technical message in a more structured way to the students enabling them to learn and progress in academics. Also all educators take on leadership roles. Teachers are 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 develop these two skills the toastmasters club was started in the year 2011. The College Toastmasters allows teachers to build the skills they need to become effective public speakers and stronger leaders in every area of their lives. The club offer a proven education program meant for educating teachers through self-improvement, communication and leadership training so that they can enhance their confidence and usefulness in professional and community life. The main objective 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.

Practice • KCG TM Club is the first club started exclusively for teachers in the district 82 of Toastmasters International (TMI) covering the entire district of Srilanka. • The College sponsored the chartered fee of 125\$ and 45 \$ (for 10 members) for term 1 and 30 \$ per head for term 2 during the year of 2011-12 (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 four parts namely 1. Prepared Speeches, 2. Table Topics (impromptu speeches), 3. Evaluation Session. TMI provides a curriculum containing a list of guidelines of executing and evaluating the same. • Every project given in the curriculum is provided with clear guidelines for content delivery and timing. The projects are well structured and timed. We have evaluation speech contests, head-to-head speech contests, table topic speech contests and prepared speech contests at the club, area, division, district and international level every year.

Success 1. Have received Golden Gavel Award Twice, the highest recognition for a club in good standing 2. Have been certified as distinguished club for 5 years. 3. We started the students club 'KCG Youthmasters TM's club'. We are involved in conducting soft skills programmes and speech craft for our students. It also enables the industry-institute relationship as the corporate clubs are invited as resource persons for guest lectures, training programmes and conferences. We have hosted three divisional college campus as venue partners. 5. Our members have completed certification as Competent Communicator, Competent Leader, Advanced Communicator Bronze, Communicator Silver, Advanced communicator Gold, Advanced Leader Bronze like 'Excellence in Leadership', 'Best Secretary Award', 'Smedly Award', 'Star Award' etc. 6. Two of our members have served as district officers for respective terms (Area Directors) Best Practice 2 : Title: Innovation Entrepreneurship Development Centre (IEDC) KCG College of Technology. The cell of operation, namely i-cell (innovation cell) and e-cell (entrepreneurship cell). Keeping in line with the vision mission of the institution, IEDC aims at 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 and enable the students to analyse the market opportunity through entrepreneurial analysis and convert innovation to commercialisation. The Context With the support and management, the college became a member of National Entrepreneurship Development Centre who backed the formation of e-cell i-cell in November 2008 May 2009. This brought an all new buzz of entrepreneurship on campus to develop our next generation of entrepreneurs and entrepreneurial leaders - you will take India to the next level of development and growth. On the basis of 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 5 years. The IEDC Grant-in-aid is a unique initiative by the Government of India to support knowledge based and innovation driven hands on experience to students during their graduation studies and to train the students and faculty on entrepreneurship. This led the students to be intrapreneurs and entrepreneurs The Practice 1. Students were asked to submit their ideas using a simple 6W (what, where, when, who, why, how) format. The submissions were reviewed by a panel of members comprising faculty Industry experts. 2. Every year on an average 25 to 30 ideas are submitted by students from which 10 to 12 ideas were short-listed based on innovation, feasibility, social relevance and cost effectiveness. 3. A team was allocated a faculty coordinator to refine their idea. 4. Each team was groomed in presenting and validating the ideas. 5. All teams presented the ideas to an advisory panel consisting of members representing MSME, Industry and Academia. 6. Other short-listed projects were also funded. Apart from this, Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes, Faculty Development Programmes are organised for the benefit of faculty and Students. Interaction and internship with practising entrepreneurs is facilitated. Also, the awareness regarding IPR, Start-up Registration, business opportunities, processes, technologies, market, etc. are given to students for success Learning by Doing Having acquired this skill of learning by doing, students showed progress in academic performance and in their projects. This forms a part of the curriculum. The shortlisted students and their projects motivated other students to look at i-cell and e-cell as an opportunity to become a successful intrapreneur / entrepreneur. The entrepreneurial eco system

building momentum. Students Participation in Competitions Students e-cell participated in competition like NASSCOM, Hackathons, GSEA, Go Code (GSOC), IIT PALS (consecutive winners for the past 3 years), Mo: Yahoo Hackathon, AICTE -Smart India Hackathon(consecutive winners for years) and several other events. 36 Patents have been filed in the past 10 have been published. Entrepreneurship Trained Faculty The management faculty to get trained by NEN and NSTEDB sponsored EDCs as entrepreneurship educators who in turn trained other faculty and students. This enabled to intertwine curriculum and entrepreneurship in their class room to help students see entrepreneurship as another career path. Skill development participation of students in all these activities developed in them various skills Communication skill Presentation skill Team building Negotiation skill Decision making skill Networking skill Time management skills Social skill Entrepreneurs from IEDC IEDC has successfully trained 160 students as entrepreneurs in the Field of technical, Service, IT, Software development etc. Best Institutional Award for Entrepreneurship Development (SEED-2016) awarded by the Society for Educational and Entrepreneurial Development (SEED) at the India International Centre, New Delhi. Bagge Up Award in National E-Week 2015-16 Conducted By National Entrepreneurship Development Board (NEN) Funding from DST In the year 2010, the National Science Entrepreneurship Development Board (NSTEDB), DST India, approved the grant-in-aid of IEDC with the grant-in-aid of Rs.44.5 Lakhs (Rs.4.45 Lakhs as N budget Rs. 8 Lakhs / year as recurring) covering a period of five years. The IEDC Grant-in-aid is a unique initiative by the Government of India to provide knowledge based and innovation driven hands on experience to students during their graduation studies. KCG Innovation Incubation and Entrepreneurship (KCGIIEC) The experience of operating a campus company has enriched students to become their own boss. This achievement of i-cell and e-cell made our students invest in setting up a Technology Business Incubator- KCGIIEC in 2011. TBI houses 6 businesses operated by entrepreneurs from the community and alumnus of KCG College of Technology. About 7 companies matured from the incubator also provides opportunity for students to intern with the incubatees. KCGIIEC has been approved by MSME as Host Institution / Business Incubator function in the premise of KCG College of Technology. This grant will support the incubatees (to a maximum of 10) with a financial support of Rs.6.25 Lakhs per period of one year.

Upload details of two best practices successfully implemented by the institution as per NAA 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, in not more than 500 words

Distinctive Feature : Holistic professional development through KCG College of Technology. "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, KCG college focuses on holistic education. The main objectives of holistic education are learning about oneself, developing healthy relationships and positive behaviors, social and emotional development, resilience, and the ability to overcome challenges.

beauty, experience transcendence, and truth. Holistic education notes 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 present in the future and contribute to the world in which they live. Students need to first value themselves, their worth, and recognize their abilities and be able to do what they want in life. With this perspective of sensitizing the needs of the society, we have established 22 clubs including technical and social clubs during the first year of every UG program at the institute. The technical clubs are liable for forming SIG (Self Interest Group) later in the departments and the non-technical clubs both cultural and sports in grooming the students as socially responsible citizens. Clubs offer an opportunity of developing and honing leadership skills and the ability to work cooperatively. Club activities do engage in a rich variety of opportunities to distinguish themselves while enjoying the communion of fellow students who share the same interests. These clubs function on every working Saturday in the afternoon.

Technical Clubs: 1. Aero Modeling 2. Mobile Apps 3. IoT 4. Robotics 5. B2L 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. Model United Nations 7. Toastmasters 8. Toastmasters 9. Rotaract

Out-Door Clubs: 1. Horse Riding 2. Sports 3. Chess 4. Cycling The objectives and recent activities are available in the club 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) Increase the h-index of the institutional publications (3) Improve the per capita publications of the institute (4) Improving the number of internships and employability (5) Streamlining the Buddy system to improve the peer learning Introduction of Foreign languages training programs to improve the placement opportunities in the Core area.