

Yearly Status Report - 2018-2019

Part A Data of the Institution				
Name of the head of the Institution	Fr. Dr. Jaison Paul Mulerikkal CMI			
Designation	Principal			
Does the Institution function from own campus	Yes			
Phone no/Alternate Phone no.	04884259000			
Mobile no.	7561888936			
Registered Email	info@jecc.ac.in			
Alternate Email	iqac@jecc.ac.in			
Address	JYOTHI HILLS CHERUTHURUTHY,			
City/Town	THRISSUR			
State/UT	Kerala			
Pincode	679531			

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. Vinith R
Phone no/Alternate Phone no.	04884259000
Mobile no.	9061406729
Registered Email	iqac@jecc.ac.in
Alternate Email	info@jecc.ac.in
3. Website Address	
Web link of the ACAD: (Providue Academia Veer)	http://www.iogg.og.in/iogg/oggn

Web-link of the AQAR: (Previous Academic Year)	<u>http://www.jecc.ac.in/iqac/aqar</u>
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<u>http://www.jecc.ac.in/iqac/academiccale</u> <u>ndar18-19</u>

5. Accrediation Details

Cycle	Grade	CGPA	Year of	Vali	dity
			Accrediation	Period From	Period To
1	B+	2.54	2016	16-Sep-2016	15-Sep-2021

6. Date of Establishment of IQAC

10-Oct-2016

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
Prepare the AQAR for the year 2018-19	02-Jul-2018 365	487
Internal Examination quality assurance steps	02-Jul-2018 365	113

by IQAC		
Conduct Internal academic audit	05-Nov-2018 6	113
Faculty sensitization to OBE by ascertaining that outcomes and Bloom	02-Jul-2018 365	113
Regular IQAC meetings	26-Oct-2018 1	17
Regular IQAC meetings	15-Nov-2018 1	17
Regular IQAC meetings	04-Feb-2019 1	17
Regular IQAC meetings	19-Mar-2019 1	17
	No Files Uploaded !!!	

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

Institution/Departmen t/Faculty	Scheme	Funding	g Agency	Year of award with duration	Amount		
Dr. Anitha Jacob	Engineering and Technology Program	KSCSTE		KSCSTE		2016 730	1270000
Fr. Dr. Jaison Paul Mulerikkal CMI	Department of science and Technology	D	ST	2018 1825	2496000		
Ms. Aswathy Wilson	Innovate 2019	KSC	CSTE	2018 365	7000		
Mr. Fepsilin Athish Mon	Innovate 2019	KSC	CSTE	2018 365	7000		
Ms. Divya Menon	Yuva Mastermind	Manc	orama	2018 90	10000		
Ms. Aswathy Wilson	Yuva Mastermind	Mano	orama	2018 90	10000		
Mr Jinesh K J	Innovate 2019	KSC	CSTE	2018 365	8000		
	Nc	Files	Uploaded	!!!			
9. Whether compositi NAAC guidelines:	ion of IQAC as per la	test	Yes				
Upload latest notification of formation of IQAC		<u>View</u>	<u>File</u>				
10. Number of IQAC meetings held during the rear :			4				

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	No
Upload the minutes of meeting and action taken report	No Files Uploaded !!!
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)

The IQAC along with senior academic team periodically review the internal evaluation system to encourage analytical thinking and creativity among students. • Systematic and periodic review of the teachinglearning process at the end of every semester • Inviting and incorporating feedback from students on teaching and learning process. • Proposed to start a learning material repository

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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		
Prepare the AQAR for the year 201819	AQAR report is ready for submission		
Proposed reforms in the internal examination system by having a separate portal for question submission integrated with the MIS of the institute.	The first set has already been prepare		
Preparation of NBA related documents for Civil Engineering Department slated to go for accreditation coming semester.	SAR and other related preparatory work done.		
Improvement in research ambience of the institute by setting up exclusive research programmes in coordination with research cell	Journal club set up.		
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4. Whether AQAR was placed before statutory ody ?	Yes
Name of Statutory Body	Meeting Date
COLLEGE COUNCIL	17-Dec-2019

assess the functioning ?	
Date of Visit	09-Feb-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2012
Date of Submission	24-Oct-2012
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 college has a well comprehensive and well integrated Management Information System, the Campus BookAn Enterprise Resource Planning (ERP) software, which is developed and maintained by the faculty and the IT division of the college. Campus Book is a web application running on PHP MySQL and has several features that are useful to the management and the teachers. The CampusBook maintains the records of student's personal information, academic history, the attendance, and the marks. Various reports can be generated based on the needs of the concerned teaching staff. Entire official and nonofficial correspondence are available through Campus Book promoting an ecofriendly campus 0. Staff related data including personal information, areas of interest, subjects handled, research activities related information are accessible through the software. A skill inventory is maintained so that the right people for a task can be selected from a pool of faculty members or other staff with skills that are required for the job. • Students are given individual login to access the learning material repository and also view their attendance reports and internal marks. They get updated with latest notices through this software. Application for sanction of various internahips is done through their logins. • A comprehensive learning material repository is accessible through the Campus Book software. University question papers of previous

years along with the suggested answers are available through the Campus Book to guide the students in their preparation. Information such as the schedule of remedial classes, summer courses, placement activities, summer projects, internships, funded projects are disseminated through the software. The Calendar shows the detailed list of activities scheduled for a month. It also includes facilities for generating summary reports for HODs and the Principal. • Enquiry of availability of the main library books is through OPAC which is linked to Campus Book software. The software also provides access to facilities in main library (EBooks, University question papers, NPTEL Videos etc). A well established digital library is set up to access online journals and to do MOOC courses. • The software also links to an appropriate repository from where the bookings for rooms, seminar halls and other physical infrastructural facilities can be accessed. It also provides the convenience of informing the needy of the available free slots. • There are several other software for the proper functioning of the institution. The admission software (JAS) takes care of the complete admission process from registration to allotment of management seats. The Account keeping Software is used for the accounting purposes in the Institution. The inventory for the Institution store is maintained through separate software.

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 college follows a curriculum prepared by the university. The APJ Abdul Kalam Technological University to which the college is affiliated practises significant degree of decentralization and its academic administration is organised in the form of clusters and the college is under the Palakkad cluster of KTU. Each cluster has significant autonomy in designing and developing curriculum subject to the approval by the KTU central academic committee. The university, typically at the end of every academic year requests the teachers in the affiliated colleges for feedback on the existing courses and the need for revision as well as the introduction of new courses. The faculty of the college actively participates in this activity by suggesting modifications in the existing courses and by preparing syllabus for new courses. The purpose of this revision is to enhance the employment potential of the graduates and takes into account the feedback from the industry. The faculty members in the institution is encouraged to identify the gaps in the syllabi and these additional components offered in the course beyond what is prescribed in the curriculum goes a long way in enhancing the employability of the graduates. Teaching and learning process have enhanced by various Faculty Development Programs on recent updates in technology conducted by eminent experts from academic and industry. Add-on courses and invited talks help the students to meet experts in a specific area. Through NPTEL videos , MOOC courses and webinars students get a sound information about the recent activities in the world and can improve their skills

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1.1.2 - Certificate/ Diploma Courses in	troduced during the	academic year		
Certificate Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Assistant Nil Electrician PMKVY	01/01/2019	210	employabil ity	Electrica Wiring
I.2 – Academic Flexibility				
1.2.1 – New programmes/courses intro	duced during the ac	ademic year		
Programme/Course	Programme S	pecialization	Dates of Int	roduction
BTech	N	ΓL	01/08	8/2018
	No file w	uploaded.		
1.2.2 – Programmes in which Choice E affiliated Colleges (if applicable) during		(CBCS)/Elective	e course system imple	emented at the
Name of programmes adopting CBCS	Programme Specialization		Date of implementation of CBCS/Elective Course System	
BTech	CE,CSE,ECE,EEE,ME,MR		01/08/2018	
1.2.3 – Students enrolled in Certificate,	/ Diploma Courses ir	ntroduced during	the year	
	Certifi	cate	Diploma	Course
Number of Students	Nil		N	il
.3 – Curriculum Enrichment				
1.3.1 – Value-added courses imparting	transferable and life	e skills offered du	uring the year	
Value Added Courses	Date of Intr	oduction	Number of Stud	lents Enrolled
Expert talk on Leaving no one behind	23/03/2019		40	
An Invited talk on Traffic Signalling System	15/02	/2019	3	35
A Talk on "Personality Development and Psychological issues"	31/01	/2019	1	40
A Technical talk on "Rehabilitation of RCC Structures and "High strength Concrete"	02/02	/2019	6	52

Website designing	07/1	1/2018	15
Machine learning	07/1	1/2018	12
Arduino programming	07/1	1/2018	9
Recent Trends in Telecommunication	01/0	3/2019	56
Emerging Trends in Microelectronics	15/0	2/2019	96
Artificial intelligence, deep learning edge AI	04/0	9/2018	56
	View	<u>/ File</u>	•
.3.2 - Field Projects / Internships und	er taken during the	year	
Project/Programme Title	Programme S	Specialization	No. of students enrolled for Field Projects / Internships
BTech		CE	75
BTech	C	CSE	123
BTech	E	ICE	190
BTech	E	CEE	78
BTech	1	ME	264
BTech	MECHA	TRONICS	7
.4 – Feedback System .4.1 – Whether structured feedback re	eceived from all the	stakeholders	
Students			Yes
Teachers			No
Employers			Yes
Alumni			Yes
Parents			Yes
.4.2 – How the feedback obtained is b naximum 500 words)	peing analyzed and	utilized for overall	
Feedback Obtained			
Evaluation of the teachers feedback system twice in a and honest feedback. The pr identity. The students eval lectures regularly on time Skills • Explanation • Use student doubts • Availabil: After collecting the online teacher is done by Quality the overall performance in points Excellent A 5 Very of complete report of all the	semester. The rocess is tran luate the tead • Overall app of supplement ity • Use of k e feedback fro Improvement O the following Good B 4 Good	e students ar isparent and chers in the pearance and cary methods plack board • om the studen Cell and teac g categories: C 3 Fair D 2	e asked to give unbiased does not disclose student following context: • Engage personal Communication • Readiness to address Relationship with student ts, the evaluation of the hers are evaluated based of Evaluation Grade Grade Satisfactory E 1 The

teachers with other grades introspect themselves and improve in the concerned

areas. A class committee meeting is conducted twice during each semester

including the Head of Department, 6 students representing the class and the concerned faculties on each subject. The students and the faculties can raise their concern on various issues related to academic and general matters. Verbal feedback is collected from the students during lectures and practical hours and the same is discussed with concerned head and necessary corrective action is initiated. Head of Department discusses the feedback with the concerned faculty for improvement

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 - Demand Ratio during the year

Name of theProgrammeProgrammeSpecialization		Number of seats available	Number of Application received	Students Enrolled
BTech	CSE	126	305	92
Mtech	Mtech CSE		20	7
BTech	ECE	126	305	44
Mtech COMMUNICATION ENGG AND SIGNAL PROCESSING		18	10	4
BTech	EEE	63	305	28
Mtech POWER ELECTRONICS		18	8	4
BTech	ME	126	305	87
BTech	MR	63	305	40
BTech	CIVIL	66	305	50
Mtech	TRANSPORTATION	18	30	18
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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	institution	Number of teachers teaching both UG and PG courses
2018	341	12	91	3	19

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), Elearning 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						
113	113	4	32	32	5						
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			No file	uploadod	1						
						<u> </u>					
2.3.2 – Students mentor A well defined mentor	oring system e	xists in t	the departm	nents. Mente	oring is	done by t	utor af	ter each sessional			
exam. Each tutor is all They are counselled consideration their per be monitored efficiently exa	to improve the formance in th	eir acade e tests. ically bri	emic perforn Remedial c ight student	nance by m lasses are a s are motiv	odifying arrange ated to o	their stud d for the s do except	dy hab studen ionally	its after taking in to ts those who need to well in the university			
Number of students enrolled in the institution Number of fulltime teachers Mentor : Mentee Ratio											
341			1	.13				1:3			
2.4 – Teacher Profile a	nd Quality										
2.4.1 – Number of full tin	ne teachers ap	pointed	during the	year							
No. of sanctioned positions	No. of filled po	sitions	Vacant p	oositions		ns filled d current ye	~ 1	No. of faculty with Ph.D			
144	121			23		9		23			
2.4.2 – Honours and rec nternational level from G	-	•	•			ognition, fe	ellowsl	hips at State, Nationa			
Year of Award	receivi state lev	ing awar /el, natic	full time teachers Designation ng awards from el, national level, national level		n	Name of the award fellowship, received fi Government or recogn bodies					
2019	Asw	Jinesh K J Assist					Chhathra Viswakarma Award held at AICTE , Ne Delhi.				
2019	J			Assistant Professor		Third prize fo project in KERAL TECHNOLOGICAL UNIVERSITY Techfest.					
2019 Dr		Dr. Deepan Raj B			socia fesso		Got Indian Pate No.310171 titled Biodiesel Fuel Blend Compositie Comprising of Prickly Poppy Methyl Ester (PPME), Ethanol a Diesel.				
2019	Dr.	Deepar	n Raj B		ssocia		Gue the proc and Conv	elected as the est Editor for Special Issue on "Energy rovision from organic by- ducts, residues wastes in Asia' in Biomass version and Bio finery Journal			

			published by Springer Nature.							
2019	Dr. Deepan Raj B	Associate Professor	Selected as the Guest Editor for the Special Issue on "WEECON19: Special Issue on: Science, Technology and Innovation for Sustainable Development" in World Review of Science, Technology and Sustainable Development published by Inderscience.							
2018	Dr. Deepan Raj B	Associate Professor	IRDP best researcher national award							
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2.5 – Evaluation Process and Reforms

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

Prog	ramme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester- end/ year- end examination					
	BTech	UG	S1/S3/S5/S7	31/12/2018	31/01/2019					
	Mtech PG		S1/S3	31/12/2018	31/01/2019					
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2.5.2 - Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

In each semester two internal tests and a model exam have been conducted. Model exams are conducted to make the students ready to face the end semester exams. Also, continuous evaluation of students for each subject is done by respective faculty through assignments, seminars, etc. A separate Examination cell is constituted for the smooth conduct of the internal exams. End semester examination has been conducted by the university during the two time periods one in April to May and the other in November to December.

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

The Academic Calendar shows the detailed list of activities scheduled for a semester. College level Academic calendar contains common event schedules. Each department prepares department level calendars which are specific to department events. Information such as the schedule of assignments, internal examinations, submission of project reports, remedial classes etc will be included in the academic course calendar. IQAC conducts Internal audits to monitor the same..

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://www.jecc.ac.in/departments/civil_engineering

2.6.2 – Pass percer	2.6.2 – Pass percentage of students														
Programme Code	Programme Name	Programme Specialization Specialization Appeared in the final year examination		Number of students passed in final year examination	Pass Percentage										
ŪG	BTech	CE	68	49	72.05										
ŪĠ	BTech	CSE	76	43	56.58										
ŪĠ	BTech	ECE	55	41	74.54										
ŪĠ	BTech	EEE	43	26	60.4										
ŪĠ	BTech	ME	131	90	68.70										
		Viev	v Fil <u>e</u>												

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://www.jecc.ac.in/campusbook/college_feedbacks/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 during the year
Minor Projects	365	KSCSTE	0.14	0.14
Students Research Projects (Other than compulsory by the University)	365	Startup mission	1	1

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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Web Design, Machine Learning, Arduino Programming	CSE	14/11/2018
Innovative approach for effective implementation of student project and its documentation	CSE	17/01/2019
Recent Trends in Telecommunication	ECE	01/03/2019
Artificial intelligence,	ECE	15/02/2019

deep learning	edge AI					
FPGA in V	LSI		ECE		04,	/09/2018
Digital Image P	rocessing	ECE			09,	/08/2018
Electronic	Fundamentals of Electronics and Communication Systems		ECE		08/08/2018	
Emerging Tre Microelectr	onics		ECE			/02/2019
3.2.2 – Awards for Inno	-		n/Teachers/Research s	cholars/	Students durin	g the year
Title of the innovation	Name of Awa	rdee	Awarding Agency		e of award	Category
LYZA FOR WOMEN	Asna Ne ,Catherine ,Jima Mar: Bini Mar	Anto iya,	Chhatra Viswakarma Awards	09	/01/2019	Project
IOT based speed limiter	AmalPro Jain Johns Harikrish Delma Dav	son, na,	,		/01/2019	Project
Currency Recognition Spectacles for Blinds	Mohamm Ashiq Maqb Viju Vals Mohamed Sa KM, Kokul G Raveena	ool, an, ajid Jose,	KSCTE	23/01/2019 Pr		Project
TREMOR STABILIZATION SPOON FOR PARKINSON SYNDROME AFFECTED PATIENTS, WHICH CAN FUNCTION AS PER THE REQUIREMENTS BASED ON MONITORING OF CONDITIONS.	Dr. Jari	n T.	Indian Patent Office	23/11/2018		Patent
A Biodiesel Fuel Blend Composition Comprising of Prickly Poppy Methyl Ester (PPME), Ethanol and Diesel	Dr. Dee Raj B	pan	Indian Patent Office	28	/03/2019	Patent
e-Brallie reader	Prasol ,Mubashi Olivia	ra	KTU TECH FEST	20	/02/2019	Project
Haptic Shoe for blind and elderly	Jisna Joby,Cathe Lenette,Ag A, Divya sl	rine na E	Yuva master mind Grand finale	15	/01/2019	Project

Tiny Bits-a robot for introducing coding to students	Anan Murali,Jo Varghes Adwaith V,Archana opal,Aksha and Alw Josepl	eena e, K Venug y M V rin	IDEA FEST 10 2018		10/06/2019		Project	
	_		View	<u>File</u>				
3.2.3 – No. of Incuba	tion centre create	ed, start-u	ps incubate	ed on camp	us durir	ng the yea	ır	
Incubation Center	Name	Sponse	ered By	Name of Start-u		Nature c u		Date of Commencement
JECC	TBI @JECC	Sta	erala rtup sion	spat	ez	Soft	tware	02/07/2018
			View	<u>File</u>				
8.3 – Research Pub	lications and A	wards						
3.3.1 – Incentive to th	ne teachers who	receive re	cognition/a	awards				
State	e		Natio	onal			Interna	ational
0			0			0)
3.3.2 – Ph. Ds award	led during the yea	ar (applica	able for PG	College, R	esearch	n Center)		
Nam	e of the Departm	ent			Num	nber of Ph	D's Awar	ded
	0					N	i11	
3.3.3 – Research Pul	blications in the J	ournals n	otified on L	JGC websit	e during	the year		
Туре		Departmei	artment Number of Publ		lication Average		Impact Factor (if any)	
Internatio	nal	CE	CE		5		1	
Internatio	nal	CSE			8			0
Internatio	nal	ECE			15			0
Internatio		EEE			5			0
Internatio	nal	ME			3			3.8
3.3.4 – Books and Cl Proceedings per Tead	•			blished, and	d papers	s in Natior	nal/Interna	ational Conference
	Department				N	umber of	Publicatio	n
	CE						2	
CSE				1				
	ECE						3	
	EEE						3	
ME							2	
				<u>File</u>				

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
Energy and exergy analysis, drying kinetics, modeling and quality parameters of microwa ve-dried turmeric slices	Dr. Deepanraj B	Journal of Thermal Analysis and Calori metry	2018	78	Jyothi E ngineering College	5
Experime ntal Inves tigation on Perform ance, Combustion and Emission Analysis of a Direct Injection Diesel Engine fuelled with Rapeseed Oil Biodiesel	Dr. Deepanraj B	Fuel	2019	181	Jyothi E ngineering College	28
A prototype design of RFID centered Hi-Tech Toll Assortment Plaza	Dr.Jarin T	Mediterr anean Journal of Basic and Applied Sciences	2018	0	Jyothi E ngineering College	Nill
Evaluation strategies for wireless ultra wideband c ommunicati on towards orthopedic surgical	Dr.Jarin T	Journal of Medical Imaging and Health Informatic s	2018	15	Jyothi E ngineering College	Nill

scheme						
Numerical analysis of circularly polarized modes in coreless photonic crystal fiber	Dr.Jarin T	Results in Physics	2019	27	Jyothi E ngineering College	2
Evaluation methods for incorp orating No n-Determin istic char acteristic s in PWM stategy of Induction Motor drives and FPGA based experiment al impleme ntation	Dr.Jarin T	Journal of Electrical Engineerin g	2019	23	Jyothi E ngineering College	2
Effect of rural highway geometry on driver workload: A step towards safety	Anitha Jacob, KJ Jinesh, Jisha Akkara, Jose P Therattil	Emerging Trends in Engineerin g, Science and Technology for Society, Energy and Environmen t	2018	0	Jyothi E ngineering College	1
			<u>View File</u>			
3.3.6 – h-Index o	f the Institutiona	Publications du	ring the year. (ba	ased 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
Energy and exergy analysis, drying kinetics, modeling and quality parameters	Dr. Deepanraj B	Journal of Thermal Analysis and Calori metry	2018	78	5	Jyothi E ngineering College

of microwa ve-dried turmeric slices						
Experime ntal Inves tigation on Perform ance, Combustion and Emission Analysis of a Direct Injection Diesel Engine fuelled with Rapeseed Oil Biodiesel	Dr. Deepanraj B	Fuel	2019	181	28	Jyothi E ngineering College
A prototype design of RFID centered Hi-Tech Toll Assortment Plaza	Dr.Jarin T	Mediterr anean Journal of Basic and Applied Sciences	2018	Nill	Nill	Jyothi E ngineering College
Evaluation strategies for wireless ultra wideband c ommunicati on towards orthopedic surgical scheme	Dr.Jarin T	Journal of Medical Imaging and Health Informatic s	2018	15	Nill	Jyothi E ngineering College
Numerical analysis of circularly polarized modes in coreless photonic crystal fiber	Dr.Jarin T	Results in Physics	2019	27	2	Jyothi E ngineering College
	Dr.Jarin	Journal	2019	23	2	Jyothi E

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methods			Electrica	.1					College
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stategy of									
Induction									
Motor									
drives and									
FPGA based									
experiment									
al impleme									
ntation									
Effect	Δ.	nitha	Emergin	a 2	018	Nill	1		Jyothi E
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highway		nesh,	Engineeri						College
geometry		.sha	g, Scienc						COTTEGE
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workload:		se P	and Technolog	37					
		attil	for	Y					
A step towards	mer	allII	_						
			Society,						
safety			Energy an Environme						
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Number of Fac	culty		national		l Symposi onal	State	Э		Local
	culty			rences and	l Symposi		Э		Local Nill
Present papers Attended/	culty ed Semi		national	rences and Natio	l Symposi onal	State	ə 11		
Number of Fac Present papers	culty ed Semi hops	Inter	national 15 22	rences and Natio	I Symposi onal 1 29	State	e 11 0		Nill 38
Number of Fac Present papers Attended/ nars/Worksh	culty ed Semi nops	Inter	national 15	rences and Natio	l Symposi onal 1	State Ni:	e 11 0		Nill
Number of Fac Present papers Attended/ nars/Worksh Resource	culty ed Semi nops	Inter	national 15 22	rences and Natio	I Symposi onal 1 29	State	e 11 0		Nill 38
Number of Fac Present papers Attended/ nars/Worksh Resourc persons	culty ed Semi nops ce	Inter	national 15 22	rences and Natio	I Symposi onal 1 29 8	State	e 11 0		Nill 38
Number of Fac Present papers Attended/ nars/Worksh Resource persons 4 - Extension .4.1 - Number of	culty ed Semi nops ce Activi	Inter ties	national 15 22 Nill outreach prog	vrences and Nation	I Symposi onal 1 29 8 <u>v File</u> onducted	State Ni: 50 Ni:	e 11 0 11		Nill 38 Nill
Number of Fac Present papers Attended/ nars/Worksh Resource	culty ed Semi nops ce Activi of exter t Organ	Inter	national 15 22 Nill outreach prog	view grammes co NCC/Red c	I Symposi onal 1 29 8 <u>v File</u> onducted ross/Yout	State Ni: 50 Ni:	e 11 0 11 with indu (RC) etc.,	during	Nill 38 Nill
Number of Fac Present papers Attended/ nars/Worksh Resource persons 4 - Extension .4.1 - Number of on- Governmen	culty ed Semi nops ce Activi of exter t Organ	ties nsion and nisations f	national 15 22 Nill outreach prog	view yrammes co NCC/Red c /agency/	I Symposi onal 1 29 8 <u>v File</u> onducted ross/Yout	in collaboration	e 11 0 11 with indu: (RC) etc., N	during umber articipa	Nill 38 Nill mmunity and the year
Number of Fac Present papers Attended/ nars/Worksh Resource persons 4 - Extension .4.1 - Number of on- Governmen	culty ed Semi hops ce Activi of exter t Organ	ties nsion and nisations to s O	national 15 22 Nill outreach prog through NSS/I	rences and National N	I Symposi onal 1 29 8 <u>v File</u> onducted ross/Yout	in collaboration h Red Cross (Y	e 11 0 11 with indu: (RC) etc., N	during lumber articipa acti	Nill 38 Nill mmunity and the year of students ted in such
Number of Fac Present papers Attended/ nars/Worksh Resource persons 4 - Extension .4.1 - Number of on- Governmen Title of the a	culty ed Semi hops ce Activi of exter t Orgar activities BHARA	Inter	national 15 22 Nill outreach prog through NSS/I Drganising unit collaborating a	view yrammes co NCC/Red c /agency/ agency HARAT	I Symposi onal 1 29 8 <u>v File</u> onducted ross/Yout	in collaboration h Red Cross (Y ber of teachers cipated in such activities	e 11 0 11 with indu: (RC) etc., N	during lumber articipa acti	Nill 38 Nill mmunity and the year of students ted in such ivities
Number of Fac Present papers Attended/ nars/Worksh Resourc persons 4 - Extension .4.1 - Number of on- Governmen Title of the a SWACHH	culty ed Semi hops ce Activi of exter t Orgar activities BHARA	Inter	national 15 22 Nill outreach proof through NSS/I Organising unit collaborating a SWACHH B UMMER INTE	view View grammes co NCC/Red c NCC/Red c /agency/ agency/ agency HARAT RNSHIP	I Symposi onal 1 29 8 <u>v File</u> onducted ross/Yout	in collaboration h Red Cross (Y ber of teachers cipated in such activities	e 11 0 11 with indu: (RC) etc., N	during lumber articipa acti	Nill 38 Nill mmunity and the year of students ted in such ivities
Number of Fac Present papers Attended/ nars/Worksh Resource persons 4 - Extension 4.1 - Number of on- Governmen Title of the a SWACHH	culty ed Semi hops ce Activi of exter t Orgar activities BHARA	Inter	national 15 22 Nill outreach proof through NSS/f Organising unit collaborating a SWACHH B	view View grammes co NCC/Red c NCC/Red c /agency/ agency/ agency HARAT RNSHIP	I Symposi onal 1 29 8 <u>v File</u> onducted ross/Yout	in collaboration h Red Cross (Y ber of teachers cipated in such activities	e 11 0 11 with indu: (RC) etc., N	during lumber articipa acti	Nill 38 Nill mmunity and the year of students ted in such ivities
Number of Fac Present papers Attended/ nars/Worksh Resourc persons 4 - Extension .4.1 - Number of on- Governmen Title of the a SWACHH	culty ed Semi hops ce Activi of exter t Orgar activities BHARA	Inter	national 15 22 Nill outreach prog through NSS/I Organising unit collaborating a SWACHH B UMMER INTE COGRAMME 20	view View grammes co NCC/Red c /agency/ agency HARAT RNSHIP D18- by	I Symposi onal 1 29 8 <u>v File</u> onducted ross/Yout	in collaboration h Red Cross (Y per of teachers cipated in such activities	e 11 0 11 with indu: (RC) etc., N	during lumber articipa acti	Nill 38 Nill mmunity and the year of students ted in such ivities

Name of the activit	у	Award/Reco	gnition	Award	ling Bodies	Nu	mber of students Benefited
Accreditatic Process	n	Best Perf IEDC 201	-		la Startup .ssion		1200
CHHATRA VISHWAKARMA AWA 2018	RD	2nd Prize National Inn Summi	ovation		AICTE		5
KTU TECHFES	Г	3rd prize Hack, Hack		Techr Unive Kera Council Techn Envi	abdul Kalam aological rsity and la State for Science ology and .ronment SCSTE)		2
Tech Boot		First Prize in Coding contest		Inst. Manageme	vakshetra itute of ent Studies, hakkad		1
BoardRoom in Tathva18 Techfe		First Pri Management		NII	-Calicut		4
"Debugger" Debugging event Dyusha		2nd Pr	ize	NSS Engineering College, Palakkad			2
" Explorer " a part of Dyuksh		Third F	Prize		Ingineering , Palakkad	2	
Explorer surf:	ing	3rd pr	ize	Wikip	edia links		1
Electro Hackat at Vyvidh'19	hon	lst prize		Vidya Academy of Science and Technology		1	
Volthunter a Vyvidh'19	t	lst pr	ize	Scie	Academy of ence and hnology		5
			View	<u>v File</u>			
3.4.3 – Students particij Drganisations and progr	-				-		
Name of the scheme	-	nising unit/Agen /collaborating agency	Name of the	the activity Number of teach participated in su activites			Number of students participated in such activites
Personal Entrepreneurial Competencies	Ka	KIED, llamassery Campus	Wor	kshop	1		5
Foundation Skills on Entre preneurship	assc	CT Academy ociated with ala Startup Missio	Wor	kshop	1		37
Idea pitching contest	Er	EDC Cell of Jyothi ngineering ollege in	Idea r cont	oitching cest	5		10

	association with IEEE					
IEDC Summit	Kerala Startup Mission	Entrepr Meet		2	5	
Yuva MasterMind 2018	Malayala Manorama in technical partnership with Amal Jyothi College of Engineering	Proje	ct Expo	2	11	
ON BOARD QUIZ	The Computer Engineering Students Associ ation(CESA) in association with IEDC	Q	UIZ	4	156	
Srishti'19	Tharang'19, JECC in association with IEDC	Level E exhibit	-	4	25	
Technical Conclave 2019	MSME District Industries Center, Thrissur	Tech Conc	nical lave	2	4	
Ethical Hacking	The Computer Engineering Students Associ ation(CESA) in association with CSI	Wor	kshop	10	120	
Swatch Bharath Abhiyan program	NSS	Swatch Surve 21/07		100	1000	
		<u>Viev</u>	<u>v File</u>			
5 – Collaborations						
	aborative activities for re		-	-		
Nature of activity Project	Participa Amal Prem			inancial support	Duration 90	
Project	Johnson, Davis, Harik	Delma		2019	30	
Project	Mohammad Mohammed Maqbool, Valsan, Koku Raveena	Asiq Viju 1 Jose,		ATE KSCSTE 2019	90	
Project	Jisna J Catheri lenette,Agna Shibh	.ne 1, Divya		Mastermind 2019	90	

Projec	t	Emmanu	sna, Ajaz, el, Anirudh, rine, Bini, Jima	Yuva Maste 2019	rmind	90		
3.5.2 – Linkages wit		ons/indus		on-the- job training,	project v	vork, shar	ing of research	
acilities etc. during t	Title of links		Name of the partnering institution/ industry /research lab with contact details	Duration From	Durati	on To	Participant	
Internship	Mac Lear with F		Abacies Logiciels Private Limited , Banglore	09/07/2019	12/07/2019		Aaand AM, Harikrishnan , Anirudh Rajan	
			View	<u>v File</u>			1	
3.5.3 – MoUs signe ouses etc. during th		titutions o	f national, internatio	onal importance, oth	er univer	sities, ind	ustries, corporate	
Organisatio	Organisation		of MoU signed	Purpose/Activities Number of students/teachers participated under Mo			ents/teachers	
Cube Associates 11/399(1),Nav Gardens, Nala P O, Trivan	vodaya nchira	1	2/06/2018	Invited ta Industrial v Internship	isit,	1		
TRIAXIA Inf Private Lim		2	1/02/2019	 To promot Enhance acad interest bet JECC-CSE TRI INFOTECH PVT To pr advice for implementation quality educa at JECC-CSE 3 To promot research/cont: education activitie 	lemic ween AXIA LTD. rovide or on of ation c. e inuing n		10	
MESSENGERIF PVT LTD, NAS		1	8/02/2019	1.To promot Enhance acad interest bet JECC-CSE MESSENGERIFY PVT LTD . 2 provide advice implementation quality educa	lemic ween LABS . To e for on of		Participant Aaand AM, Harikrishnan , Anirudh Rajan stries, corporate umber of nts/teachers ted under MoUs 1	

		at JECC-CSE 3. To promote research/continuing education activities between institutions			
CEDICOM ELECTRONICS	13/01/2018	Industrial visits and Training	44		
ELECTRO COMP SYSTEMS	05/11/2018	Industrial visits	34		
HYKON	12/01/2019	Industrial visits	23		
Keraleeya Ayurveda Samajam Hospital, Shoranur	30/07/2018	Invited talks, Research activity on "Efficiency improvement and automation of production system."	54		
	View	<u>/ File</u>			
RITERION IV – INFRAST	RUCTURE AND LEAR	NING RESOURCES			
.1 – Physical Facilities					
I.1.1 – Budget allocation, exclu	uding salary for infrastructu	re augmentation during the y	ear		
Budget allocated for infras	structure augmentation	Budget utilized for infra	structure development		
92	26	78	1.36		
.1.2 – Details of augmentatior	n in infrastructure facilities d	luring the year			
Faciliti	ies	Existing or N	ewly Added		
Campus	Area	Existing			
Class	rooms	Exi	sting		
Laborat	tories	Exi	sting		
Seminar	Halls	Exi	sting		
Classrooms with	LCD facilities	Exi	sting		
Classrooms with	h Wi-Fi OR LAN	Exi	sting		
Seminar halls wit	h ICT facilities	Exi	sting		
Number of import purchased (Greater during the cu	than 1-0 lakh)	Newly Added			
Value of the equ during the year		Newly Added			
	No file	uploaded.			
.2 – Library as a Learning F	Resource				
.2 – Library as a Learning F I.2.1 – Library is automated {Ir		ent System (ILMS)}			
.2.1 – Library is automated {Ir		ent System (ILMS)} Version	Year of automation		

Library Service Ty	pe	Exis	ting		Newly A	dded		Tot	tal	
Text Books		27734	808663	4 4	429	201916	28	163	8	3288550
Reference Books		8744	449946	9 :	228	114751	89	972	4	£614220
e-Bool	ks	1091	106201	7 N	i11	Nill	10	091	1	062017
Journa	ls	86	20322	7	1	3000	1	87		206227
e- Journal	.S	253	139704	8 N	ill	Nill	2	253		397048
				View	<u>w File</u>					
	VAYAM oth	her MOOC	s platform N			, CEC (under her Governm				
Name of	the Teach	er	Name of the	Module		on which mo developed	dule I	ule Date of launching e- content		
Nil		1	Nil		Nil		3	31/05/2019		
				No file	uploade	ed.				
.3 – IT Infra	astructure)								
4.3.1 – Tech	nology Up	gradation	(overall)							
Туре	Total Co mputers	Compute Lab	r Internet	Browsing centers	Compute Centers		Departme nts	e Availa Bandv h (MB GBP	widt PS/	Others
Existin g	802	17	2	1	1	1	0	48		0
Added	8	0	0	0	0	0	0	0		0
Total	810	17	2	1	1	1	0	48		0
4.3.2 – Banc	lwidth avail	lable of int	ernet connec	tion in the I	nstitution	(Leased line)				
				48 MB	PS/ GBPS	3				
4.3.3 – Facil	ity for e-co	ntent								
Nam	e of the e-c	content de	velopment fa	cility	Provide	e the link of th rea	e videos a cording fac		ia ce	ntre and
		Nil					<u>Nil</u>			
.4 – Mainte	enance of	Campus	Infrastructu	ire						
4.4.1 – Expe component, c			naintenance	of physical	facilities a	nd academic	support fa	cilities, e	exclu	ding salai
-	d Budget c nic facilities		xpenditure in intenance of facilitie	academic	-	ned budget o sical facilities		aintenan		curredon physical
	619		474.	92		307		3	06.'	71
	s complex,	computers				al, academic a words) (inforr				

1. Central Library with a rich collection of books and journals. There is well oiled mechanism aimed at efficient and equitable utilization of the resources. The processes are partly automated using inhouse developed library management software integrated with the management information system of the institute. 2. The institute has two well equipped halls Insight Hall and Decennial Hall for conducting technical sessions. There is a welldefined procedure for availing these halls for conducting programmes like FDPs, invited lectures and other erudite programmes. There is a project office which is entrusted with the custody of these facilities and the approval of the office is procured through the management information system, campus book, which is wholly inhouse developed. 3. The institute has a welloiled mechanism for addressing any issue raised in connection with any of the infrastructural facilities provided. In case of failure of any any installation electrical and otherwise, the same can be communicated to the project office which is in charge of these facilities through campusbook which is the MIS software of the college. 4. All the essential stationery items that are likely to needed by the students are made available through a store which runs through the college hours. 5. Every department submits its requirements with regard to the upgradation of the department infrastructure. The college annual budget is preparation with due consideration of the department level requests. 6. The college provides sufficiently large auditorium which can accommodate the all the students and the faculty together. 7. Each department has a separate seminar hall sufficient for the conduct of presentations as part of the curriculum. Larger programs are typically conducted in the Insight and Decennial halls.

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Management Scholarship for KEAM Rank, Management Scholarship, Scholarship Asthra Jyothi 2016, Scholarship based on 2 mark(90 to 94)for 2018 Batch, Scholarship based on 2 mark (95 and above) for 2018 batch, KEAM Scholarship	524	14287054
Financial Support from Other Sources			
a) National	E-grants by State govt.	107	8698050
b)International	Nil	Nill	0

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.,

8 160 8 5 8 17 8 30 9 20 9 7	Internal KIED, Kalamasser Campus ICT Academy associated with Kerala Startup Mission IEEE-IAS
8 17 8 30 9 20	Campus ICT Academy associated with Kerala Startup Mission IEEE-IAS
8 30 9 20	associated with Kerala Startup Mission IEEE-IAS
9 20	
	IEEE-IAS
9 7	
-	ICT Academy Learning Centre
8 215	Staff handling Subjects
8 1216	Class Tutors
8 10	IEDC Cell of Jyothi Engineering College in association with IEEE
9 4	ICT Academy of Kerala in association with KSUM
8	B 1216 B 10

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
2018	Infosys Specific training program	93	Nill	Nill	22
2018	TCS specific training program	106	Nill	Nill	8
		View	<u>/ File</u>		

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

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

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	
AMAZON EnglishEdge EXPERION TEC HNOLOGIES FACE(Focus Academy for Career Enhancement) Federal bank Fingent Glob al Solutions IBS Software Services POO RNAM INFOVIS ION Pumex In fotech Quest Global Shriram Transport finance Sper idian Techno logies SupportSa	1409	68	COGNIZANT HCL TECHNOLO GIES Hexaware technologies Infosys TCS UST Global V VDN Technolo gies Wipro Infosys Joy Ambooken Associates M apranathukar an Construct ions Staad point Vadukoot Consultants	167	72	
		<u>Viev</u>	<u>v File</u>			
5.2.2 – Student pro	gression to higher e	education in percen	tage during the yea	ir		
Year			Depratment graduated from	Name of institution joined	Name of programme admitted to	
2019	11	B.Tech	CE	APJ Abdul Kalam Techno logical University, NICMAR School Of Construction Management,	M.Tech,MBA	
2019	1	B.Tech	CSE	Carleton University	Master of Computer Science	

2019 2019 2019 2019 2019 2019 2019 2019	1 1 2 1 2 2	B.Tech B.Tech B.Tech B.Tech B.Tech	ME ME ME ME	Centre of Environmenta l Planning and Technology Sapienza University of Rome Toronto, Canada SCMS School of Technology and	Mater in Design in Building Product System Mater in Energy Engineering MS
2019 2019 2019 2019	2 1 2	B.Tech B.Tech	ME	Sapienza University of Rome Toronto, Canada SCMS School of Technology	Mater in Energy Engineering MS
2019 2019 2019	1 2	B.Tech		of Rome Toronto, Canada SCMS School of Technology	Engineering
2019	1 2	B.Tech		Canada SCMS School of Technology	
2019	2		ME	School of Technology	MBA
		B.Tech		Management	
2019	<u>^</u>		ME	University of Duisburg, Essen	Masters i Technical Logistics
	2	B.Tech	ME	Conestoga College, Kitchner, Canada	Applied Mechanical Design
2019	2019 2		B.Tech ME		Practical Elements of Mechanical Engineering
2019	1	B.Tech	ME	University of Wollongong, Australia	Masters i Mechanical Engineerin
I		View	v File		
5.2.3 – Students qualif eg:NET/SET/SLET/GA					
	Items		Number	of students selected/	qualifying
	GATE			5	
	Any Other			25	
		View	<u>v File</u>		
5.2.4 – Sports and cult	ural activities / co	ompetitions organis	sed at the institution	on level during the ye	ar
Activity		Lev	vel	Number of F	Participants
Tharang Teo Nrithya Dance C		St	ate	200	
College A	rt Fest	Colleg	ge Level	2	250
Annual Spor			ge Level	1	50
House wise	e games		ge Level	2	250
l		View	<u>v File</u>		

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	KTU University Athletics 4X100 relay Men Gold medal	National	1	Nill	JEC17ME003 JEC16EE023 JEC16EE003 JEC16ME090	ABHILASH THAMBI EDWIN JOSEPH C AKHIL JAMES K NELSON PAUL

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

College has an active student association consisting of student members. The student members of the association is elected through democratic process of election in which student cast their vote to candidates of their choice to select the class representative. From the class representatives the student union is formed. The constitution of the student association comprises Chairmen , Vice Chairperson general secretary , Joint Secretary, Magazine editor , Arts secretary two UUCs and year wise representatives . The association is monitored by senior faculty members who are responsible for the smooth conduct of the association meetings and events. The student association plays a dominant role in many activities related to fine arts, sports and other cocurricular activities of the department and the students. Various cocurricular activities organized by the association include Special Lectures by experts, Seminars, Workshops, Symposium, National Level Conference and Intercollegiate meet to develop the personality and skills of the student's ability. Eminent speakers and industrialist deliver speeches on topics relevant to current educational scenario. Student members of the associations also observe important days like National Festivals, Birth/Death Anniversaries of important leaders, International Women's Day, International Yoga Day, Sports Day, Nonviolence Day, Teachers Day, Farewell Party, World AIDS Day, They also organizes cultural festivals like Intercollegiate Meet 'Tharang', College Day,, Onam, Christmas Celebration, etc.. Students from each department participate in class committee

5.4 – Alumni Engagement

5.4.1 - Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

4873

meeting and faculty feedback will be given.

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

295000

5.4.4 - Meetings/activities organized by Alumni Association :

• General Body meeting • Executive member meeting • Flood relief Activity :

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

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

Decentralization The institution has a mechanism of providing operational autonomy to various functionaries in order to ensure a decentralized governance system. 1. Principal Level Principal is the member secretary of the governing body and chairperson of the IQAC. The Principal in consultation with the Teachers' Council nominates different committees for planning and implementation of different academic, student administration and related policies. All academic and operational policies are based on the unanimous decision of the governing body, the IQAC and the teachers council. 2. Faculty level Faculty members are given representation in various committees/cells nominated by the Teachers council, in the Governing body, in the IQAC and other committees. Every year, the composition of different committees is changed to ensure a uniform exposure of duties for academic and professional development of faculty members. Following are the different subcommittees which have been nominated by Teachers' Council (201819): • Admission Subcommittee • Internal tabulation subcommittee • Routine subcommittee • Seminar Proposal subcommittee • Library subcommittee • Student Union Election subCommittee • Student disciplinary subcommittee • Subcommittee for games and sports • Canteen subcommittee • Journal and publication Sub committee • Cultural subcommittee Following committees are constituted accordance to government guidelines: • Internal Complaints Committee • Counselling and Career Guidance and Placement Unit • Grievance Redressal Cell • Website committee • Tax Related Sub Committee • Anti Ragging Committee • Press Media Sub Committee. 3. Student level Students are empowered to play important role in different activities. Functioning of different secretaries of students union (listed below) further reinforces decentralization. • cultural secretary • student welfare and social service secretary • canteen secretary • computer in charge Participative management The institution promotes the culture of participative management at the strategic level, functional level and operational level. • Strategic level: The Principal, governing body, Teachers council and the IQAC are involved in defining policies procedures, framing guidelines and rules regulations pertaining to admission, examination, discipline, grievance, support services, finance etc • Functional level: Faculty members share knowledge among themselves, students and staff members while working for a committee. Principal and faculty members are involved in joint research and have published papers • Operational level: The Principal interacts with government and external agencies faculty members maintain interactions with the concerned departments of affiliating university. Students and office staff join hands with the Principal and faculty for the execution of different academic, administrative, extension related, co and extracurricular activities.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	The curriculum is set by APJ Abdul Kalam Technological University. Representatives from each department are called by the university where they can give their suggestions and feedback before the syllabus is finalized. Gaps

	in the syllabus of various subjects are communicated to the university for consideration.
Teaching and Learning	<pre>consideration.</pre> Various measures have been taken to improve the quality of teaching and learning process in all the departments of the college. Departmental meetings are arranged periodically to review the progress of the academic plan. Class committee and Course Committee meetings are conducted twice in a semester to review the effectiveness of the teaching learning process. Verbal feedback is collected from the students during this meeting and the same is discussed with concerned faculty members and necessary corrective action is initiated. Also, an online feedback process is developed in the college which is designed in strict accordance with the teaching learning process. The feedback analysis obtained is given to HOD for analysis, and the feedback is communicated to each faculty member concerned. Also, feedback on institutional infrastructure and extracurricular activities is conducted in every semester. To ensure the deep understanding of the subjects, tutorials are conducted for the theory subjects as prescribed by university norms. Tutorial hours are earmarked in the subject time table and the tutorial methodology is well planned before the beginning of the course. Students are given different exercises in order to brush up the fundamentals more precise with the help of faculty in the prescribed hour. A well defined mentoring system exists in the departments. Mentoring is done by tutor after each sessional exam. Each tutor is allotted around thirty students. Academically weak students are counselled by their mentor. They are counselled by their mentor. They are counselled by their mentor. They are formance in the tests. Remedial classes are arranged for the subjects of the subjects are arranged for the subjects are motivated to do
	exceptionally well in the university exams. To make the students ready for the university examination, previous year question papers and Model university questions paper along with

	answer key is made available through
	learning material repository section in
	Campus Book. Students are constantly
	encouraged to do NPTEL and MOOC courses
	to supplement their academic learning.
	Also, there is a large collection of
	NPTEL archived in the library. Students
	are encouraged to update their skills
	by attending workshops, internships,
	industrial visits and seminars. Regular
	soft skills and aptitude training is
	done by experts. Each student of the
	institution is an active member of any
	one of the professional bodies such as
	IEEE, IEI, CSI, ISTE. To ensure the
	Teaching learning process, an internal
	academic audit cell has been
	constituted as per the requirement of the KTU. It regularly conducts internal
	audits twice in a semester to monitor
	the Teaching and Learning Process. An
	external audit is conducted twice in a
	semester by an auditor authorized by
	KTU
Examination and Evaluation	In each semester two internal tests
	and a model exam have been conducted.
	Model exams are conducted to make the
	students ready to face the end semester
	exams. Also, continuous evaluation of
	students for each subject is done by
	respective faculty through assignments,
	respective faculty through assignments, seminars, etc. A separate Examination
	respective faculty through assignments, seminars, etc. A separate Examination cell is constituted for the smooth
	respective faculty through assignments, seminars, etc. A separate Examination cell is constituted for the smooth conduct of the internal exams. End
	respective faculty through assignments, seminars, etc. A separate Examination cell is constituted for the smooth conduct of the internal exams. End semester examination has been conducted
	respective faculty through assignments, seminars, etc. A separate Examination cell is constituted for the smooth conduct of the internal exams. End semester examination has been conducted by the respected universities (Calicut
	respective faculty through assignments, seminars, etc. A separate Examination cell is constituted for the smooth conduct of the internal exams. End semester examination has been conducted by the respected universities (Calicut and KTU) during the two time periods
	respective faculty through assignments, seminars, etc. A separate Examination cell is constituted for the smooth conduct of the internal exams. End semester examination has been conducted by the respected universities (Calicut
	respective faculty through assignments, seminars, etc. A separate Examination cell is constituted for the smooth conduct of the internal exams. End semester examination has been conducted by the respected universities (Calicut and KTU) during the two time periods one in April to May and the other in November to December.
Research and Development	<pre>respective faculty through assignments, seminars, etc. A separate Examination cell is constituted for the smooth conduct of the internal exams. End semester examination has been conducted by the respected universities (Calicut and KTU) during the two time periods one in April to May and the other in November to December.</pre>
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	in the number of PhD holders in the institution. The management encourages publications in reputed journals and international conference. There has been a tremendous increase in the number of staff and students who attended and presented papers in international conference
Library, ICT and Physical Infrastructure / Instrumentation	Institution has an automated central library with text and reference books Journals / Magazines eBooks eJournal/Magazines and DVDs. A research corner is established in the central library to exhibit the research related articles of the faculty and students of the college. It includes journal and conference publications and the thesis and dissertation works of the staff and students. Also, Department based library facilities are also functioning for the students. Library facilities can be access through Campus Book. The entire campus is WiFi enabled with a speed of 64Mbps. All classrooms are equipped with LCD Projectors, CCTV and a public address system. Adequate, well equipped laboratories to meet the curriculum requirements are available. A sophisticated FabLab has been set up in association with Kerala Startup mission and MIT. There is facility for conducting webinars which can be made use of by faculty and students.
Human Resource Management	Human Resource is the heart of an organisation and forms the lifeline and determines its destiny. The realisation of the mission of the organisation rests on the commitment of the personnel engaged for various assignments and tasks. Motivated and well trained human resource is necessary to fulfil the goals and objectives of the organisation. The college is committed to set high standards of personnel management with due place for efficiency and transparency. The management of the team of people who are called upon to assist in the implementation of the programmes and projects demands a comprehensive Human Resource Management Manual covering policies and procedures that will provide a healthy atmosphere for work.
Industry Interaction / Collaboration	Students are undergoing internships in reputed industries such as FCRI, ITI, CDAC, KELTRON, BSNL,TBI etc. to

	gain skills to improve their emplyability. Students undergo final year projects at ISRO,BSNL, KSEB, KELTRON etc. Institution has signed MoU with many industries like Hykon which reduces the gap between academia and industry.
Admission of Students	 For UG programmes, Admission are strictly on the basis of merit. Candidates must be citizens of India/persons of Indian origin (PIO)/Overseas citizen of India (OCI). Candidates should have completed 17 years of age on 31st December 2018. Applicants should Pass Higher Secondary Examination of the Board of Higher Secondary Education of Kerala or an examination recognized equivalent thereto with at least 50 marks in Mathematics separately and 50 marks in Mathematics, Physics and Chemistry/equivalent subjects put together or equivalent grade. Only those Applicants who qualify in Kerala Engineering Entrance Examination 2018 (KEAM 2018) conducted by the Commissioner for Entrance Examinations, Govt. of Kerala are eligible (Candidates should have scored minimum of 10 marks each in Paper I and Paper II) For PG programmes, Admission is strictly on the basis of merit. The candidates should be an Indian National. The candidates should have studied the Graduate course in an institution approved by the AICTE / Deemed to be Universities in India approved by the UGC. Candidates should have a minimum of 60 aggregate marks in the Engineering Degree course is sufficient. For SEEC (OEC) students, a minimum of 54 aggregate marks in the Engineering Degree examination is mandatory. Candidates, who have passed AMIE / AMIETE Examinations End satisfying the following conditions, are eligible for admission. They must have valid GATE score. A minimum of 55 marks for section B in AMIE/AMIETE examination. First priority for admission shall be to those with valid
	due to lack of candidates with valid GATE score, candidates from Kerala State without valid GATE Score will be considered against such vacancies. If

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

6.2.2 – Implementation of e-governance in areas of operations:						
E-governace area	Details					
Planning and Development	College has proposed complete office automation. Office automation will include students' database, faculty and staff database, feedback system etc					
Administration	Notices and circulars are uploaded in the college website and communicated to different departments through email from the office of the Principal. Each and every IQAC notice is circulated by the coordinator himself through email.					
Finance and Accounts	Receipt of admission fees is completely online. Salary of faculty members and staff is transferred directly to the bank account					
Student Admission and Support	Applications are submitted for admission to different courses through the online admission portal • Merit list is prepared and uploaded by fully computerized system • Online counselling is scheduled based on the merit list of candidates. Email ids and contact numbers of all members of Anti Ragging Committee, Anti Ragging Squad and Internal Complaints Committee have been uploaded to the college website and students can communicate to the members through email.					
Examination	Evaluation of answer scripts is conducted in accordance with the university policies. The college is a approved valuation centre of KTU. Faculty members of this college perform their evaluation duties as examiner, chief examiner, as and when appointed by the university. They also serve as observers as ordered by the University. The faculty also serve as question setters for both UG and PG courses.					

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Fr.David Nettikkadan	ICWSNUCA-2018	NIL	10000

2019		Jens	son Jose	IEEE- ICECCT-2019		NI	L		3000
2019			chin K, ose	NIL		IEF	E		5000
				<u>View File</u>					
6.3.2 – Number teaching and nor				Iministrative traini	ng p	orogrammes	organized	by the	e College for
Year	profe devel prog orgar	e of the essional lopment ramme nised for ing staff	Title of the administrative training programme organised for non-teaching staff	From date		To Date	Numbe participa (Teachi staff)	ants ing	Number of participants (non-teaching staff)
2018	Exce in E r	rsuing llence nginee ing cation	NIL	09/07/2018	11	/07/2018	60)	Nill
2019	app f effe impl tion uden ect its	vative roach for ective ementa of st t proj and docume ation	NIL	17/01/2019	21	/01/2019	16	5	Nill
2018	tic Res thr Rese etho	troduc on to earch cough arch M dology ematic s	NIL	05/07/2018	07	/07/2018	15	5	Nill
			I	<u>View File</u>					
		-	•	evelopment progra nt Programmes du			ntation Pr	ogram	me, Refresher
Title of the profession developme programm	al nt		of teachers attended	From Date		To dat	e		Duration
New Hous Literacy : Rebuildin Kerala, organized the Stat Housing Bo District	for ng by se pard		3	21/01/2019		21/01/	2019		1

Nirmithi Kendra, Thrissur at Kerala Sahithya Academy Hall, Thrissur				
Real time applications of intelligent transportation systems, sponsored by Transportation Engineering Research Centre, Organized by Department of Civil Engineering, College of Engineering Trivandrum	1	12/12/2018	14/12/2018	3
Multivariate data analysis. Government College of Engineering, Thrissur	1	17/12/2018	21/12/2018	5
Theory and Practice of Data Science	30	24/06/2019	28/06/2019	5
Recent Trends In Power Electronics And Control, Govt. Engineering College Thrissur	5	10/12/2018	14/12/2018	5
FDP on "Engineering Simulation with ANSYS"	2	02/07/2018	07/07/2018	6
FDP on creating Road map for Identification Implementation of Interdiscipl inary Projects, Govt. Engineering College Thrissur	4	25/06/2018	29/06/2018	5
STTP on	3	28/06/2018	04/07/2018	7

Discrete Computational Structures						
FDP on Emerging Trends in Big Data Analytics and Hadoop	4	14/0	14/01/2019		0/01/2019	6
One week STTP on Technology enhanced learning environment, Cochin University of Science Technology	1	07/01/2019 11		/01/2019	5	
		View	<u>v File</u>			
6.3.4 – Faculty and Stat	ff recruitment (r	no. for permanent re	ecruitment):			
	Teaching				Non-teachi	ng
Permanent		Full Time	Per	manent	t Full Time	
13		13		1		1
6.3.5 – Welfare scheme	es for					
Teaching]	Non-teaching				Students
Staff Club, Medical Leave, Gratuity		ESI, Staff Club, Medical Leave, Provident Fund			Medi	cal Insurance
6.4 – Financial Manag	ement and Re	esource Mobilizat	tion			
6.4.1 – Institution condu	ucts internal and	d external financial	audits regula	arly (wit	h in 100 word	ls each)
			expert m			ear. All the labs ort is submitted
6.4.2 – Funds / Grants r rear(not covered in Crite		nanagement, non-g	overnment b	oodies,	individuals, p	nilanthropies during the
Name of the non generic funding agencies /	Funds/ Grnats received in Rs.		Purpose			
Department of Science and Technology, India		2496000		Industry sponsored Project		
		No file	uploaded	•		
6.4.3 – Total corpus fun	d generated					
		2496	5000			
		vstem				
6.5.1 – Whether Acader		strative Audit (AAA) has been c	lone?		
6.5.1 – Internal Quality A 6.5.1 – Whether Acader Audit Type		strative Audit (AAA External			In Yes/No	ernal Authority

Academic	Yes		ĸ	TU		Yes	IQAC
Administrativ	ve Yes		Abraha	am Jose		No	Internal
TIGHTITED OF GOT V			1101 011			no	auditors
							elected by
							Board of
							Trustees
6.5.2 – Activities an	d support from the	Parent –	- Teacher A	ssociation ((at least	three)	
with PTA Exec college cou taken in to the stude assistance	utive is cond ncil. Also, s	ucted suggest n. They good a al vis	to discu cions and avard s academic its for	ss and c d feedbac scholars backgrou financia	cks fr hips a und. I	the decisi om PTA are nd financia hey provide eak student	l support for financial s. They give
6.5.3 – Developmer	t programmes for s	support s	staff (at leas	st three)			
	s and invited		•	·	w the	college fo	r personal
	which enhance						
	labor	atory	staff th	eoretica	lly s	ound.	
6.5.4 – Post Accred	itation initiative(s) (mention	at least thr	ee)			
Constituted 1	QAC with NAAC	C Guide	elines Tl	he Colleg	ge con	ducts Facul	ty Development
							g process more
	effec	tive.	OBE Sens	itizatic	n Pro	grams	
6.5.5 – Internal Qua	lity Assurance Sys	tem Deta	ails				
a) Submiss	sion of Data for AIS	SHE port	al			Yes	
b)	Participation in NIR	RF				Yes	
	c)ISO certification					No	
d)NBA	or any other qualit	y audit				Yes	
6.5.6 – Number of G	Quality Initiatives ur	ndertaker	n during the	e year			
Year	Name of quality initiative by IQAC		ate of ting IQAC	Duration	From	Duration To	Number of participants
2018	Prepare the AQAR for the year 2018-19	02/0	07/2018	02/07/	2018	28/06/201	.9 8
2018	Internal Examination quality assurance steps by IQAC	02/0	07/2018	02/07/	2018	28/06/201	19 113
2018	Conduct Internal academic audit	05/3	11/2018	05/11/	2018	07/11/201	18 113
2019	Conduct Internal academic audit	10/0	04/2019	10/04/	/2019	12/04/201	19 113

2018	Faculty se	02/07/2018	02/07/2018	28/06/2019	113
	nsitization				
	to OBE by				
	ascertaining				
	that				
	outcomes and				
	Bloom's				
	taxonomy are				
	duly taken				
	into				
	cognizance				
	in their				
	student				
	evaluation				
	process				

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
SURVEY AMONG GIRL STUDENTS	20/12/2018	20/12/2018	20	Nill
SELF DEFENCE WORKSHOP	09/02/2019	09/02/2019	35	Nill
WOMENS DAY CELEBRATION	22/03/2019	22/03/2019	100	Nill

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

• Organisation of World habitat day celebrations was done and a technical talk on "Affordable Homes" was arranged. • Centre for Water Research and Education (CWRE) is established for remediation of water related issues which includes water quality, rain water harvesting etc. The centre maintains a Govt. approved commercial laboratory which undertakes testing of water quality. Solutions for water quality issues are disseminated through oral interactions with the individual customer and also through a website maintained by the centre. • In order to disseminate the water quality issues a book in Malayalam namely, "Jalavum Jeevithavum (Water and Life)" is published and is being distributed among relevant people and organisation • We encourage taking up environmentally related B.Tech student projects • As part of Environment Day celebrations, saplings of different trees were planted within the campus. • We were part of First Phase activities of Haritha Kerala Mission, Panjal Grama Pachayath, which intends to trigger the agricultural development by efficient water resources planning, organic farming methods and waste management. • Utilising a Solar power plant of 67.30 kWp. The average production and consumption is 6000 units which is about 25 of the power requirement of the college.

7.1.3 - Differently abled (Divyangjan) friendliness

Physi	Physical facilities			Y	es			Nill		
Provi	ision for 1	ift	Yes			Nill				
F	Ramp/Rails			Yes				Nill		
Softwa	Braille Software/facilities			1	Nо			Nill		
F	Rest Rooms			Y	es			Nill		
Scribes	for examin	nation		1	No			Nill		
deve diffe	Special skill development for differently abled students			1	νīο		Nill			
7.1.4 – Inclusio	on and Situated	dness								
Year	Number of initiatives to address locational advantages and disadva ntages	Number initiative taken t engage and contribut local commur	es to with e to	Date	Duration		ame of tiative	Issues addressed	Number of participating students and staff	
2018	1	1		27/07/2 018	1	Bh	Swatch arath urvey	House hold clea nliness and waste managemen t	1000	
2018	1	1		24/07/2 018	1		edical amp	Medical awareness	60	
2018	1	1		09/08/2 018	1	awa	aning reness ally	Cleaning awareness	75	
2018	1	1		24/08/2 018	1	Training class for flood relief survey		Flood relief	570	
2018	1	1		28/08/2 018	5	Rapid visual in spection		Flood relief activity	500	
2018	1	1		22/09/2 018	1	Swatch He Seva		Cleanli ness @ shornur railway station	90	
2018	1	1		02/10/2 018	1		Gandhi Vanthi	Cleanli ness in vallathol panchayat h	90	

Ιſ	2019	1	1		17/02/2	10		Water	Rain	90
					019		Su	ırvey	water Har	
	2010		1		02/01/2	7			vestment	0.0
	2019	1	1		03/01/2 019	/	Sanjeev anam at M		Cleaning	98
								urkkar	painting	
								ramapa ayath	etc	
	2019	1	1		24/03/2	1		_	House	40
					019			issur	Survey	
								porati survey		
								ithaci		
								ty		
						uploaded.				
7	.1.5 – Human		rofessiona	al Eth			ooks)		us stakeholders	
		Title			Date of pu				ow up(max 100	,
		Handbook			15/0	7/2019			scribes the 1 mission c	
								co	ollege and	each
									artment. Ac aps also d	
									college d	
									and regula	
									sity and co o given. G	
									mation to	
									h as dress Ipline cond	
									our, atten	
									ave regulat	
								ragg	ging etc ar given.	e also
	Coli	lege Websit	te		01/0	7/2019		Des	scribes the	vision
									l mission o	
									ollege and artment. C	
								w	ebsite pro	vide
									ormations : emics. It i	-
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									ertaken by	
									opment cell onment clui	
									tion Forum	
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	I	HR Manual			01/0	7/2019			Manual expl and mission	
								colleg	ge. The cor	e values
									y policy a agement pol	
									ribed. The	-
									reserve the	
								or th	ne human be	eing the

equal opportunity policy regarding equity Justice, professionalism transparency and accountability and legal compliance are also well explained.

7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Swatch Bharath Abhiyan program	21/07/2018	21/07/2018	1000
Flood Relief Survey - Rapid Visual Inspection	28/08/2018	01/10/2018	500

No file uploaded.

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

Solar panel installation Renewable Energy (Solar power plants) with capacity 63.7 kW .
The college has 80 lakhs litres capacity Rain water Harvesting system (50m x 20m x 8m).
Digital Jyothi initiated with Communications done through Campus Book which reduces paper.
The institution is a plastic free campus • The College has established a an exsitu conservatory garden of medicinal plants. This garden has around 40 species of various important medicinal plants such as Ashokam, Brahmi, Kanikkonna, Chittamruthu, Ungu, Venga, Athi, Iluppa, Thanni, Chandanam, Plassu etc.
Wide varieties of Bamboo are planted in the campus • Natura ClubActivities of environmental forum • Rain water harvesting • Clean campus initiative

7.2 – Best Practices

7.2.1 - Describe at least two institutional best practices

1.Mentoring Mentoring is a system of providing guidance by sharing their experience, knowledge skills for improving carrier and futuristic life. For mentoring process each student in class is allotted to faculty. Each student is subjected to mentoring twice in a semester. Students are also referred to special counselling if required. Mentors record book clearly defines the details a particular student. The book consists of all the data regarding academic and personal information. 2. Answer Repository System College introduced the concept of answer repository system where both students and staff can avail solved university question paper. All the faculty will prepare the answers of their concerned subjects of university question paper. Faculty will upload the prepared document to the answer repository file .. The prepared answers uploaded by the faculty will be reviewed by a subject expert committee. Students can avail the same through campus book and can use it as a reference material. 3. Introduction of practice oriented learning using the FABLAB facility College has started a mini fab lab(mini fabrication laboratory) with support of APJ Abdul Kalam Technological university and Kerala Startup Mission (KSUM) in the college campus. JECC Mini Fab lab is the one of the first 20 mini fab lab in Kerala. Each Mini fab lab contains machineries, tools and consumables cost of 50 lakh Indian rupees. Fab labs provide widespread access to modern means for invention. It provides a small scale workshop offering digital fabrication .. Students are encouraged to do projects using the facilities of the lab.

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

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

Technical skill enhancement The college is supporting activities for students to improve their ability to carry out task associated with technical roles. The aim is to improve the confidence among the students and make them more valuable candidates as employer. It also helps in improving the technical skills which often better at multitask challenging and complex role. The college encourage students in participating in different technical skill development workshops, competition, technical fest etc that creating a plat form for excelling their skills. INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CELL (IEDC) started on October 2015 helps the students in strengthening their skills. The implementation of IEDC helps the students to enhance interpersonal and leadership skills by organising workshops, invited lectures, project exhibitions etc. The IEDC core committee approves budding ideas submitted from students and recommends them to the Startup centre or tbi@jec based on the maturity phase of the idea. Ideation to Prototype activities are recommended and supported at the Startup Centre, which houses the IoT lab. College has started a mini fab lab(mini fabrication laboratory) with support of APJ Abdul Kalam Technological university and Kerala Startup Mission(KSUM) in the college campus. ECC Mini Fab lab is the one of the first 20 mini fab lab in kerala. Each Mini fab lab contains machineries, tools and consumables cost of 50 lakh Indian rupees. Students are encouraged to do projects using the facilities of the lab. Introduction of add on courses also helps the students to strengthen their skills.

Provide the weblink of the institution

https://www.jecc.ac.in

8. Future Plans of Actions for Next Academic Year

Student performance 1. Encourage students to actively engage with the industrial organizations during their internship. 2. Provide guidance and training for the examinations such as CAT, GATE, GMAT, TOEFL and GRE. 3. Provide business training to equip students interested in becoming entrepreneurs. 4. Improve the average CGPA scored by the passed out students to more than 7. 5. Prepare a learning material repository as a reference material for students. 6. Encourage students to take part in technical programmes and competitions Faculty Development 1. Encourage all faculty members to enroll for Ph.D programmes 2. Conduct Faculty Development Programs for enhancing research interest. 3. Every faculty should have done at least one MOOC course prior to handling a subject/course. 4. Faculty should be encouraged to go on industry sabbaticals 5. Encourage faculty members to enhance publications quantitatively and qualitatively by framing a research policy in coordination with the research cell 6. Encourage faculty to try for funded projects. 7. Establishment of MoUs with other research and academic institutes 8. Awareness initiatives on Patent and their relevance in the present academic world. 9. Encourage faculty to try for industrial projects OBE and accreditation 1. Audit of the course material generated to enhance the quality of delivery and sensitize the faculty to the requirements of OBE. 2. Established a procedure for the conduct of internal evaluation of students in confirmity with the principles of OBE. 3. NBA reaccreditation activities monitoring 4. Increase the awareness among the faculty about the need to take part in the curriculum revision process of the university. Research Development 1. Each department should form research groups and have to produce one paper out of their activities. 2. Each department should have ongoing funded RD of value more than 5 lakhs. 3. Every department should engage in industrial consultancy work worth

Rs.1 lakh. 4. Every faculty member should publish at least one research article every year in an SCI/SCOPUS indexed journal. 5. All the faculty members participate / present papers in international conferences / workshops / FDPs organized by leading institutions in India and abroad. 6. Each department should organize at least one conference and one FDP every year. 7. Each faculty has to attend two external and one internal faculty training programs of at the least one week in last three academic years.