



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE
Name of the head of the Institution	Dr.AmbikaDevi Amma.T
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	04884284000
Mobile no.	7510882777
Registered Email	principal@ncerc.ac.in
Alternate Email	office@ncerc.ac.in
Address	Nilu Gardens, Pampady (PO), Thiruwilvamala
City/Town	Thrissur
State/UT	Kerala
Pincode	680588

2. Institutional Status					
Affiliated / Constituent		Affiliated			
Type of Institution		Co-education			
Location		Rural			
Financial Status		private			
Name of the IQAC co-ordinator/Director		Dr. George Job K			
Phone no/Alternate Phone no.		04884284000			
Mobile no.		9443056069			
Registered Email		naacordinator@ncerc.ac.in			
Alternate Email		hodme@ncerc.ac.in			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		https://ncerc.ac.in/home/agar/			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		https://ncerc.ac.in/home/agar/			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.72	2015	01-May-2015	30-Apr-2020
6. Date of Establishment of IQAC			21-Apr-2014		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC		Date & Duration		Number of participants/ beneficiaries	
Workshop on Cyber Security		23-Feb-2019 1		55	

Seminar On Gesture Recognition Technology	11-Mar-2019 1	65
Workshop on Technology Based Entrepreneurship Development Program	25-Mar-2019 1	60
Workshop on Big Data	20-Mar-2019 1	50
Workshop on IoT	27-May-2019 1	55
Technical Workshop on VLSI Design, Embedded Systems, Robotics and Technical Talk	23-Jul-2018 5	62
Workshop on Hnads on Training on Arduino	27-Jul-2018 1	40
National Level Workshop on Robotics and Process Automation	26-Jul-2018 3	150
Seminar on Employability Aspects in Information Technology	04-Oct-2018 1	74
Seminar on Digital Marketing	01-Nov-2018 1	30
Motivational Talk on Goal Setting and Team Building	18-Dec-2018 1	40
International Conference on Green Logistics and Supply Chain	10-Jan-2019 1	40
Seminar on Java and Oracle	04-Feb-2019 1	95
Workshop on Autonomous Robotics	13-Feb-2019 1	75
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Sreejith S , Sudharsan, Mechatronics	Grant	Yuva Master Mind	2018 90	10000
Vishnu, CSE	Start Up	Kerala Start Up Mission	2018 366	1200000
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9. Whether composition of IQAC as per latest NAAC guidelines:

No

Upload latest notification of formation of IQAC	No Files Uploaded !!!
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
12. Significant contributions made by IQAC during the current year(maximum five bullets)	
Quality oriented benchmarking with framed parameters in our academics	
Facilitating the faculty participation in various academic related and teaching learning process and online feedback system has been introduced for students.	
Soft skill programmes and personality development programmes for students have helped significant increase in placements.	
organized various inter and intra institutional workshops, seminar on quality related programs	
Maintain the quality and Best practices through the analysis and bench marking with statistical analysis	
View File	
13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year	
Plan of Action	Achivements/Outcomes
Academic calendar	List of all college activities including examination dates
Teaching time plans	Students informed of teaching schdules
College website upgraded	Stakeholders aware of all information online
Legal awareness for women	Empowerment of women through awareness of their legal rights
View File	

14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	26-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	All admissions are online. Students information is available on the website. All relevant information regarding the college, notices and announcement are uploaded on the website. Marks obtained by students at all internal examinations are entered and uploaded in the university website. SMS through notification gateway is sent to parents regarding low attendance and academic performance etc. Parent teacher meetings are also held. Information is disseminated through college website, Social network. Information to stakeholders through college website. Staff informed through SMS, whatsapp group and verbally through meetings. Finance Accounting transaction with bank is conducted online. Ledger records are maintained electronically through Tally.

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

Vision of the College: To mould true citizens who are millennium leaders and catalysts of change through excellence in education. Mission of the College: NCERC is committed to transform itself into a center of excellence in learning and research in engineering and frontier technology and to impart quality education to mould technically competent. Citizens with moral integrity, social commitment and ethical values. We intend to facilitate our students to assimilate the latest technological know-how and to imbibe discipline, culture

and spiritually, and to mould them in to technological giants, dedicated research scientists and intellectual. Leaders of the country who can spread the beams of light and happiness among the poor and the underprivileged. Goals: To mould technically competent engineering professionals who can pioneer a social transformation for a bright world. To facilitate research and learning by maintaining an ambiance conducive to academic pursuits. To develop industry-institute interaction to expose the students to the challenge of the industrial world and equip them with practical knowledge besides class rooms and laboratory learning. While revision and up gradation of syllabus is done at the university level, the college has a mechanism for effective, documented curriculum delivery. At the commencement of each academic year, every faculty member provides the students with individual time plans and reading lists of each course which are displayed in the class rooms. These time plans adhered to, so that the students are able to gauge with a degree level clarity, what portion of the curriculum will be delivered within stipulated time frame. These time plans are also preserved each year as documentation. Besides traditional lectures and seminars, infrastructure for the use of ICT in class rooms, like power point presentations, smart boards and audi-visual support are available to make the delivery of curriculum enabling and interesting for the students. In some departments, bridge courses or supplementary courses are held in order to make the curriculum delivery more holistic and effective. Tutorials are held with mentoring and participative learning encouraged. Internal assessment is done transparently with examined scripts shown to the students. Inter-personal skills are enhanced through value education.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Java Oracle Certified Course	nil	11/08/2018	30	employability	programming
Embedded Systems and IOT	nil	11/08/2018	30	entrepreneurship	development
Advanced Control Strategies on Electric Vehicle	nil	01/09/2018	30	entrepreneurship	programming
NonDestructive Testing	nil	20/10/2018	30	entrepreneurship	development
CAD/Catia	nil	02/02/2019	30	employability	development
Robotics Operating System	nil	02/02/2019	30	employability	development
Two Weeler Maintenance Service	nil	01/09/2018	30	entrepreneurship	development
Auto CAD Modeling	nil	23/02/2019	30	employability	programming

COURSE ON MS OFFICE	nil	20/10/2018	30	employabilit y	programming
Oracle PL/SQL	nil	18/08/2018	30	employabilit y	programming
Big Data Analytics	nil	11/10/2018	30	employabilit y	Analytical skill
Application of PLC SCADA in Automation	nil	09/02/2019	30	employabilit y	development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Automobile Engineering	01/08/2018
BTech	Computer Science & Engineering	01/08/2018
BTech	Electronics & Communication & Engineering	01/08/2018
BTech	Electrical & Electronics Engineering	01/08/2018
BTech	Mechanical Engineering	01/08/2018
BTech	Mechatronics Engineering	01/08/2018
MCA	MCA	01/08/2018
View File		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Computer Science Engineerin	01/08/2018
BTech	Automobile Engineering	01/08/2018
BTech	Electronics & Communication & Engineering	01/08/2018
BTech	Electrical & Electronics Engineering	01/08/2018
BTech	Mechanical Engineering	01/08/2018
BTech	Mechatronics Engineering	01/08/2018
MBA	mba	01/08/2018
MCA	mca	01/08/2018

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

	Certificate	Diploma Course
Number of Students	512	0

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Soft Skill Training(SST)	10/10/2018	265
Employability Enhancement Training (EET)	15/03/2019	202
Campus Recruitment Training (CRT)	12/03/2019	178
Four days Workshop on Career Counseling	03/10/2018	56
Workshop on Awareness on Entrepreneurship	11/10/2018	212
Campus to Corporate Training (C2C)	22/11/2018	106
One Week Workshop on web Application Development	22/09/2018	98
Campus Recruitment Test By FACE	28/01/2019	202
Workshop on Android App Development	11/02/2019	87
Four days workshop on Building competencies for wider career opportunities	11/03/2019	207
Hands on Training on Transformer Design, Manufacturing Testing	10/11/2018	192
Technical Writing Skill Enhancement by using Latex Software	01/02/2019	88
View File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Computer Science Engineerin	23
BTech	Automobile Engineering	11
BTech	Electronics & Communication & Engineering	14
BTech	Electrical & Electronics Engineering	47
BTech	Mechanical Engineering	64
BTech	Mechatronics Engineering	21
MBA	Human Resource	10
MCA	nil	15

MBA	Finance	32
MBA	Marketing	26
MBA	Operations Management	16
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained
<p>The feedback taken by the students of all batches is given to each faculty by the principal after being collated, statistically analyzed and tabulated, clarifying, if need be, for quality enhancement in teaching methodology. Observations on general trends are also made. A self appraisal is prepared by each faculty by every month. The principal intervenes and addresses possible areas where growth is needed. Efforts are made to motivate parents to process feedback forms on the college. During parents meeting, parents meet the HoD faculty Evaluation of all college programmes with respective stack holders is conducted. A feedback is taken from the outgoing student before they leave college and also from alumni. to know about the academic performance, regularity, conduct and behavior of their wards and they provide such information about the usefulness or suitability of the programme of their wards.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
Mtech	VLSI	18	8	4
Mtech	Energy Systems	18	10	3
Mtech	Machine Design	18	5	1
BTech	Automobile Engineering	60	0	0
BTech	Computer Science Engineering	120	80	64
BTech	Electronics and Communication Engineering	60	44	24
BTech	Electrical and Electronics Engineering	60	40	25

BTech	Mechanical Engineering	120	90	59
BTech	Mechatronics Engineering	60	45	37
Mtech	Computer Science Engineering	18	10	5
Mtech	Cyber Security	18	0	0
MBA	Masters of Business Administration	120	75	49
MCA	Masters in Computer Applications	60	40	32
View File				

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	209	94	68	22	70

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
160	160	2	61	7	12

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Every faculty is allotted with 15 students for effective mentoring system. The mentoring system is established to improve the rapport between the Faculty and Students. The main objective is to keep track of the progress of the students and counsel them accordingly for academic and personal developments. Dr. Mallika Balakrishnan, Ph.D in Psychology, is the Consultant Psychologist of the college. Ample opportunities are provided for both boys and girls for exhibiting their inbuilt talents. Parents are timely informed regarding lack of attendance, poor academic performance and psychosocial problems. The college endeavours to look after the total personality development of students through cocurricular and extra curricular activities and counseling programs. The Consultant Psychologist of the college and the Faculty offer guidance to the Students Carrier Development Programme in addition to classroom teaching. The Training and Placement cell and Entrepreneurship development are also part of this Endeavour. Annually we are conducting a massive celebration for Women's day, in which we invite Inspiring Women Personalities to share their experience and to offer advices to our students. Our counseling system provides support to the girl students and envisage them to realise and resolve their problems. Care is taken to empower the students in academics by imparting educational awareness training Programmes. To strengthen them towards leadership and self motivation and to make them confident and competent individuals in all walks of their careers.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
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1188	160	1:15
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2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
160	160	0	0	0

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr Sudheer S Marar	Associate Professor	Editorial Advisory Member, NSMJ, Nehru School of Management Journal
2019	Pramod K	Associate Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	P Ramachandran Nair	Professor	B.Sc, Board of Studies Member, Calicut University
2019	P Ramachandran Nair	Professor	B.Sc, Chairman of Studies of Distance Education, Calicut University
2019	P Ramachandran Nair	Professor	Question paper setter in Kerala University
2018	Midhun Raj P K	Assistant Professor	Syllabus Committee Member APJ Abdul Kalam Technological University
2018	Niveth C	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Niveth C	Assistant Professor	Syllabus Committee Member, APJ Abdul Kalam Technological University
2018	Ranjith P U	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Nikhil N	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University

2018	Neethu M	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Prashanth Arumughan	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Midhun Raj P K	Vice Chancellor(in-charge)	Chairman for Question Paper Setters , APJ Abdul Kalam Technological University
2018	P Sundaramoorthi	Associate Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	K Maheswaran	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2019	Anoop Kumar M V	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	G Rajkumar	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	David E	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Anil Kumar P	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Dr S Sankar	Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Dr S Sankar	Professor	Reviewer in International Journal of Advances in Mechanical Engineering
2018	Remya Ramachandran	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Silja Varghese	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological

			University
2018	Silja Varghese	Assistant Professor	Smart India Hackathon Ofiicer
2018	Dr S Sankar	Professor	Member, Smart India Hackathon
2019	P Ramachandran Nair	Professor	Question paper setter in Kerala University of Fisheries and Ocean Studies and
2018	P Ramachandran Nair	Professor	Subject Expert, Mathematics, Interview Panel , Calicut University
2018	Dr S Rajkumar	Professor	Reviewer in Journal of King Sand University , Computer and Information Science
2018	Dr S Rajkumar	Professor	Reviewer in Journal of Technical Reports on Engineering and Applied Science
2018	P Rajkumar	Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Lisa C	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2019	P Sundaramoorthi	Associate Professor	Reviewer in International Journal Of Electrical and Electronics Engineering
2018	Dr Sudheer S Marar	Associate Professor	Reviewer in International Journal for Engineering Research and Technology
2018	Dr Sudheer S Marar	Associate Professor	MCA Syllabus Revision Committee, Calicut University
2018	Rajesh P	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2019	Dr S Sankar	Professor	Reviewer in The

			Journal of Meccanica (Springer)
2018	Dr S Sankar	Professor	Ph.D Guide in Dr APJ Abdul Kalam Technological University
2018	Dr S Sankar	Professor	Doctoral Committee member in Karunya University
2018	Dr S Sankar	Professor	Doctoral Committee member in Saveetha University
2018	Dr S Sankar	Professor	President, IIC, MHRD
2018	Rakesh P R	Assistant Professor	NSS Program Officer
2018	Sanoj T	Assistant Professor	NCC Officer
2018	Sanoj T	Assistant Professor	Best Second NCC Officer of India
2018	Sanoj T	Assistant Professor	Received Commandant Silver Medal
2018	Remya K P	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Sebin Joseph	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	P T Rajeena Mol	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Nithin Joe	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Amithab M	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Vishnu Prabha N Kaimal	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Rahul M Nair	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Bhavya Das	Assistant Professor	Question Paper Setter, APJ Abdul

			Kalam Technological University
2018	Muruganantham C	Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Biji K P	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Dr S Rajkumar	Professor	Reviewer in Journal of Software Hardware Research in Engineering
2018	Dr S Rajkumar	Professor	IETE Palakkad , EC Member
2018	Dr S Rajkumar	Professor	Doctoral Committee for Bharath University , Chennai, Tamilnadu
2018	Dr S Rajkumar	Professor	Doctoral Committee for Dr M G R University , Chennai, Tamilnadu
2018	Dr S Rajkumar	Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2019	Dr S Rajkumar	Professor	Question Paper Setter, Kanchi Sankara University, Tamilnadu
2019	Dr S Rajkumar	Professor	Question Paper Setter, Sathyabama University, Tamilnadu
2018	Unni M R	Assistant Professor	Best Mentor Award , NPTEL
2018	P Sundaramoorthi	Associate Professor	Reviewer in Indian Journal Of Science and Technology
2018	P Sundaramoorthi	Associate Professor	Reviewer in International Journal of Electrical Engineering Technology
2018	P Sundaramoorthi	Associate Professor	Reviewer in International Journal in Brazilian Archives of Biology and

			Technology
2019	P Sundaramoorthi	Associate Professor	Reviewer in International Journal if Nano Science and Nano Technology Letters
2018	Dr Sheela Srivastava	Director	Ph.D Research Supervisor , Pacific Academy of Education Research
2018	Dr Sheela Srivastava	Director	Member Editorial Board, International Journal Of Management Research An Official Journal of Hawassa University
2018	Dr Sheela Srivastava	Director	Certificate of Appreciation from Department of Youth welfare CUSAT 150 years of Mahatma Gandhi
2018	Dr Sheela Srivastava	Director	Honorary Fellow to International Association of Accounting Professionals, U K
2018	Dr Sheela Srivastava	Director	Panel of Examiners for award of Ph.D in Bhartiyar University
2018	Dr Sheela Srivastava	Director	Panel of Examiners for award of Ph.D in Annamalai University
2018	Dr Ambikadevi Amma T	Principal	Syllabus Review Committee member for B.Tech Computer Science Engineering branch , Calicut University 2014 scheme
2018	Dr Ambikadevi Amma T	Principal	University affiliation committee member for B.Tech and M.Tech Computer Science Engineering branch of Calicut University
2018	Dr Ambikadevi Amma T	Principal	Academic council member of calicut

			university B.Tech Computer Science Engineering Branch
2018	Dr Ambikadevi Amma T	Principal	Question Paper Setter, Kerala University
2018	Dr Ambikadevi Amma T	Principal	Question Paper Setter, Mahatma Gandhi University
2018	Dr Ambikadevi Amma T	Principal	Question Paper Setter, Cochin University of Science and Technology
2018	Dr Ambikadevi Amma T	Principal	Fellowship member of Institute of Engineers, India
2018	Vimal M N	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Rejumon R	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Vinu V T	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Sanal Kumar A P	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Sithudas V S	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Vishag T	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Rakesh P R	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Tedy Thomas	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Ajay Krishnan	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological

			University
2018	V G Nair	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Prabhu Kumaran	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Midhun Raj P K	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Sreeram P T	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Deepak R Nair	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Arun K	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Silja Varghese	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Biji K P	Assistant Professor	Question Paper Setter, APJ Abdul Kalam Technological University
2018	Sanal Kumar A P	Assistant Professor	Member of the scrutiny board
2018	Rejumon R	Assistant Professor	Member of the scrutiny board
View File			

2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BTech	CS, EC, EE, ME, MC	I/I	22/01/2019	17/04/2019
BTech	A, CS, EC, EE, ME, MC	III/II	09/01/2019	30/04/2019
BTech	AU, CS, EC, EE, ME, MC	V/III	18/01/2019	29/04/2019

BTech	AU,CS,EC,EE,ME,MC	VII/IV	23/01/2019	04/05/2019
Mtech	EEES,CSCE,MEMD,ECVL	I/I	18/01/2019	18/05/2019
Mtech	ECEA,EEES,MEMD,ECVL	III/II	20/12/2018	20/05/2019
MBA	MBA	I/I	28/11/2018	12/03/2019
MBA	MBA	II/1	11/03/2019	20/05/2019
MCA	MCA	I/I	27/11/2018	18/05/2019
MCA	MCA	III/II	29/11/2018	19/05/2019
MCA	MCA	V/III	31/05/2019	10/06/2019
MBA	MBA	III/I	24/06/2019	20/08/2019
View File				

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

Two series tests are conducted for the Internal Assessment as per APJ Abdul Kalam Technological University, Kerala. Series Test are conducted for 90 minutes durations. The marks for each series test is 40 . The portions from the first and second modules are covered in Series Test I. The portions from the third and fourth modules are covered in Series Test II. The dates of the examinations are mentioned in the academic calendar, supplied to the students and displayed in the notice board on the first day of the semester. The academic calendar consists of dates of commencement of continuous internal examinations and also the end semester practical and theory examinations dates given by the university. The important dates are also displayed in the webportal. The dates mentioned in the academic calendar are followed in all the activities. Hence the students and the faculty members clearly know about the commencement of the tests well in advance. The format of the question papers are also discussed in the class room. The same format is followed for all the subjects in the institute. Hence the dates of the examination, syllabus of the CIE and question paper pattern are transparent to all the students. The question papers of the examinations are verified by the IQAC coordinator and the Head of the Department in order to rectify the mistakes and the ambiguity in the questions are fully rectified. If a student is not able to attend the internal tests , when he/she represents the institution in any event (on duty), owing to medical grounds or any valid reason, that student should get prior permission from the subject handling faculty, mentor and Head of the department. A retest is conducted to enable the student to earn internal assessment marks. The faculty will prepare answerkey for the examination question paper with mark allocation . The students can know the answer for the questions and it is fully transparent and the students can easily check the answers while distributing the answer booklets. The corrected examination answer booklets are distributed to the students within two days after completion of the examination. If there is any deviation in awarding marks, it will be immediately clarified and rectified by the subject handling faculty. Those answers booklets are acknowledged by the students and then they are collected and retained in the department. The subject handling faculty will countersign in the answer booklets, if any changes are made in that paper. Mark list of the students are prepared, it is displayed in the notice board and conveyed to their parents by post. The marks are also entered in the ICAMPUZ software , which the student and parents can open the portal and verify the marks to calculate the portion of the final internal assessment mark. The final internal assessment marks are verified and authorized by the students and displayed in the notice board. This final internal assessment marks are entered in KTU webportal by concerned

faculty members.

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

Academic calendar is the back bone of various teachinglearning plans, prepared by the institute before the commencement of every semester. The institute academic calendar is prepared in alignment with APJ Abdul Kalam Technological University, Kerala. The academic calendar is available in the university webportal. The institute academic calendar incorporates the numbers of working days, Unit wise syllabus completion, Continuous Internal Examination dates, CIE marks entry in the university webportal, Commencement dates of University practical and theory examination and the dates for all curricular, cocurricular and extracurricular activities. Schedule of monthly attendance display, class committee meeting, course committee meetings, conference, workshop seminar dates, webinar, Chairman Mode of Assignment , assessment etc. This calendar is displayed in notice board and in the institute website at the beginning of semester. Meetings and reviews are conducted by faculty coordinators, HoDs and Dean to review the activities and corrective actions if any required. The students adhere to the academic calendar to prepare for the tests in time. Student can submit assignments in time based on the academic calendar. Final year students carry out their project presentations as per academic calendar.

The academic calendar also gives the schedule of various experimental/participative activities designed by the institute as per the Project Based Learning (PBL) Model such as Lab Innovations, Industrial Visits, Value Addition Programs (VAP), technical events etc. Apart from the technical activities, academic calendar describes tentative schedule of extracurricular activities such as sports and cultural events. The participation and performance of students in all such technical and extracurricular activities is also a part of motivation to write competitive examinations and involvement in studies. In order to ensure the satisfactory performance of the students in the evaluation process, parents are also involved in discussions through parent meet organized as per academic calendar. The institute takes efforts to communicate the requirements and progress of students in the evaluation process through the Parents Teacher Association scheme. This helps in ensuring effective conduct of CIE and achieving desired outcomes.

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://ncerc.ac.in/home/agar/>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
EC	BTech	Electronics and Communication Engineering	84	62	73.81
EE	BTech	Electrical and Electronics Engineering	60	28	46.67
ME	BTech	Mechanical	114	74	64.77

		Engineering			
MC	BTech	Mechatronics Engineering	66	47	71.21
MCA	MCA	Master of Computer Applications	37	34	91.89
ECEA	Mtech	Applied Electronics	5	5	100
EEES	Mtech	Energy Systems	4	4	100
MEMD	Mtech	Machine Design	4	4	100
ECVL	Mtech	VLSI Design	1	1	100
MBA	MBA	Masters in Business Administration	42	41	97.61
AU	BTech	Automobile Engineering	25	12	48
CS	BTech	Computer Science Engineering	75	57	75.98

[View File](#)

2.7 – Student Satisfaction Survey

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

<https://www.icampuz.in/ngi/index.php>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	90	Yuva Master Mind	10000	10000
Industry sponsored Projects	366	Kerala Start Up Mission	1200000	200000

[View File](#)

3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Technical talk workshop on VLSI design embedded system and robotics	ECE	23/07/2018
Seminar on hybrid	EEE	26/07/2018

electric vehicle		
Hands on training on Arduino workshop	EEE	27/07/2018
Autonomous Robotic Workshop	EEE	13/02/2019
Workshop on IOT	All dept.	27/05/2019
Technological based Entrepreneurship development program	All dept.	25/03/2019
Intellectual property rights, creative thinking innovations an insight	Mechanical	10/01/2019
National level workshop on Robotics process automation	Mechatronics	26/07/2018
National conference on green Logistics	MBA	14/01/2019
National conference on Digital India	MCA	29/11/2018
Workshop on Bigdata	MCA	20/03/2019
Workshop on Cyber Security	MCA	23/02/2019
Seminar on Employability aspects in IT	MCA	04/10/2018
National Seminar on Artificial Intelligence and Soft Computing Techniques	Mechatronics	24/09/2018
National Workshop on Evolution of Electronics in Automobile Industries	Mechatronics	21/01/2019

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Prescribed Innovation Cell	Nehru College of Engineering and Research Centre, Thrissur, Kerala	Ministry of HRD	06/11/2019	Start Up
Indiawood Business Excellence Award	Advocate Dr. P. Krishnadas	Indiawood Business Club	19/10/2019	Entrepreneur

[View File](#)

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Technopark	Vishnu N	Kerala Start	Quardproso	Manufacturin	05/04/2018

Technology Business Incucator		Up Mission		g	
View File					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
nil	0

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	ECE	7	1.2
International	MCA	2	1.5
International	EEE	7	2.6
International	ME	12	2.6
National	MBA	2	1.3
View File			

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

Department	Number of Publication
EEE	1
CSE	1
View File	

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Performanc e of a Com pression Ignition Engine with Blends of Biodiesel (from a mixture of Spirulina Microalgae Oil and Sunflower	Sankar Sha nmugasunda ram, Manivarma Kumaresan, V.Jayakuma r, Ragul Gandhiand Christeena Mathew	Internatio nal Journal of Pure and Applied Ma thematics. Vol.119, No.16, Pp.787803,	2018	6	MECHANICAL ENGINEERIN G	100

Oil) and Diesel						
Thermo Mechanical Analysis of Engine Valve and Valve Seat Insert by Finite Element Method	Ragul Ganghi, Dr S.Sankar, Dr.V.Jayakumar and Thesinguraja	International Journal of Pure and Applied Mathematics	2018	4	MECHANICAL ENGINEERING	75
Parameter and Multiple Performance Optimizati on of MEDM through Various Electrode for Heat Treated Tool Steel	Ragul G, Prasadh E Prakash, Sankar S and Samrat Majumdar	International Journal of Pure and Applied Mathematics	2018	2	MECHANICAL ENGINEERING	56
CFD Simulation of Injection Mixer for CNG Engines	Ginse Joy, Dr.S.Sankar, Rixon K.L and Sreejith K.V	International journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2018	4	MECHANICAL ENGINEERING	68
CFD Analysis of Aerodynamics of Car	6. R.Varun, Dr.S.Sankar, Rajiv Varma and Sreejith K.V	International journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2018	2	MECHANICAL ENGINEERING	56
CFD Analysis of a Thrust Vectoring Nozzle	Baggio Yesudas, Dr.S.Sankar and Sreejith K.V	International journal of Innovative Research in Science, Engineering and Technology	2018	4	MECHANICAL ENGINEERING	78

		(IJIRSET)				
Design and Development for Exhaust Back Pressure Reduction with Noise Control for Motorcycles	Mohammed Filsuf M.A, Dr.S. Sankar, Christy Mathew and Sreejith K.V	International journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2018	2	MECHANICAL ENGINEERING	89
Design Optimization of Planner Mechanism	Rinoy Johnson, Dr.S.Sankar, Rahul Rajan and Tedy Thomas	International journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2019	2	MECHANICAL ENGINEERING	90
Design Optimization of Stabilizer Bar Link Used In Sedan Vehicles	Farhan, Dr .S.Sankar, Tedy Thomas and Deepak V.K	International journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2019	4	MECHANICAL ENGINEERING	100
Design Optimization of Ammonia Pressure Vessel	Salman, Dr .S.Sankar, Sabarish and Tedy Thomas	International journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2019	4	MECHANICAL ENGINEERING	35
MIMO Antenna with Notched Band Characteristics for UWB Applications	Rajkumar P	International Research Journal of Engineering and Technology	2019	4	ELECTRONICS COMMUNICATION ENGINEERING	45
THREE DIMENSIONAL ANALYSIS	VISHNU PRABHAKAR KAIMAL	International Research	2019	4	ELECTRONICS COMMUNICATION ENGINEERING	67

ON DEMOSCOPIIC IMAGES WITH RSA ENCRYPTED DIAGNOSIS		Journal of Engineerin g and Technology			NEERING	
A NOVEL ALGORITHM FOR DETECTION OF PAPILLE DEMA IN LUMINOSITY AND CONTRAST ENHANCED RETINAL IMAGES	SAJITHA A S	Internatio nal Research Journal of Engineerin g and Technology	2019	4	ELECTRONIC S COMMUNIC ATION ENGI NEERING	78
AUTOMATIC FOLLICLE DETECTION IN ULTRASOUND IMAGES OF OVARIES	NITHIN JOE	Internatio nal Research Journal of Engineerin g and Technology	2019	4	ELECTRONIC S COMMUNIC ATION ENGI NEERING	89
SYNCHRONIZ ATION SCHEME OF MIMO OFDM USING MONTE CARLO METHOD	LISA C	Internatio nal Research Journal of Engineerin g and Technology	2019	4	ELECTRONIC S AND COMM UNICATION ENGINEERIN G	76
APPROXIMAT E MULTIPLIER AND 8 BIT DADDA MULTIPLIER IMPLEMENTE D THROUGH IMAGE PROCESSING	RAHUL M NAIR	Internatio nal Research Journal of Engineerin g and Technology	2019	4	ELECTRONIC S AND COMM UNICATION ENGINEERIN G	56
FITNESS FUNCTION AS TRUST VALUE USING TO EFFICIENT MULTIPATH ROUTING FOR MOBILE AD HOC NETWORK	JITHIN JOSE KALLADA	Internatio nal Research Journal of Engineerin g and Technology	2019	4	ELECTRONIC S AND COMM UNICATION ENGINEERIN G	56
SYNTHESIZI NG	G RAJKUMAR	ENERGY SOU RCES, PART	2019	4	ELECTRICAL AND ELECTR	75

GRAPHENE FROM WASTE MOSQUITO REPELLENT GRAPHITE ROD BY USING ELECTROCHEMICAL EXFOLIATION FOR BATTERY/SUPERCAPACITOR APPLICATIONS		A:RECOVERY ,UTILIZATION,AND ENVIRONMENTAL EFFECTS			ONICS ENGINEERING	
A SUGGESTION FOR A GOOD ANODE MATERIAL SYNTHESIZED AND CHARACTERIZED	G RAJKUMAR	DISCOVERY JOURNAL	2019	4	ELECTRICAL AND ELECTRONICS ENGINEERING	75
SMART STORAGE SYSTEMS FOR ELECTRIC VEHICLES A REVIEW	G RAJKUMAR	SMART SCIENCE TAYLOR AND FRANCIS	2019	4	ELECTRICAL AND ELECTRONICS ENGINEERING	90
ENERGY SOURCE PLASTIC WASTE INTO FUEL	G RAJKUMAR	INDIAN JOURNAL OF ENGINEERING	2019	4	ELECTRICAL AND ELECTRONICS ENGINEERING	85
NEW DESIGN FOR CHARGING SESSION OF ELECTROSTATIC PRECIPITATORS USING THERMO COUPLE PRINCIPLE FOR AIR POLLUTION CONTROL	G RAJKUMAR	INTERNATIONAL JOURNAL OF ENVIRONMENTAL POLLUTION AND ENVIRONMENTAL MODELLING	2018	4	ELECTRICAL AND ELECTRONICS ENGINEERING	75
CLASSIFICATION OF TEXT DOCUMENTS USING ADAPTIVE ROBUST CLASSIFIER	DEEPA A	INTERNATIONAL JOURNAL RECENT TECHNOLOGY AND ENGINEERING	2019	2	MCA	45

A DETAILED SURVEY ON EDM AND ITS TOOLS	VINEETHA K R	JOURNAL OF APPLIED SCIENCE AND COMPUTATIONS	2018	2	MCA	45
Human Resource Organization in Virtual Organization	Sijo Joseph Chakola	Nehru School of Management Journal	2019	2	MBA	50
Internet Abuse in the Workplace	Rakhi Mohan and Chandrakala K R	Nehru School of Management Journal	2019	2	MBA	50
Techno Economic optimization and real time comparison of sun tracking photovoltaic system for rural healthcare building	P Sundaramoorthi	Journal of Renewable Sustainable Energy 11	2018	4	Electrical and Electronics Engineering	100
Solar H8 Inverter to Reduce Leakage currents in Grid Connected Applications	P Sundaramoorthi	International Research Journal of Engineering and Technology	2018	4	Electrical and Electronics Engineering	90
Energy Source : Plastic Waste into Fuel	Rajkumar G	Indian Journal of Engineering	2019	4	Electrical and Electronics Engineering	85
A suggestion for a good anode material synthesized and characterized	Rajkumar G	Discovery	2018	4	Electrical and Electronics Engineering	75
Synthesizing graphene from waste mosquito	Rajkumar G	Energy Sources , Part A: Recovery, Utilization	2018	4	Electrical and Electronics Engineering	75

repellent graphite rod using electromechanical exfoliation for battery/ supercapacitor applications		n and Environmental Effects				
Smart Storage Systems for Electric Vehicles A Review	Rajkumar G	Smart Storage Systems for Electric Vehicles A Review	2018	4	Electrical and Electronics Engineering	80
New Design for Charging Section of Electrostatic Precipitators using Thermocouple Principle for Air Pollution Control	Rajkumar G	New Design for Charging Section of Electrostatic Precipitators using Thermocouple Principle for Air Pollution Control	2018	4	Electrical and Electronics Engineering	90
View File						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Performance of a Compression Ignition Engine with Blends of Biodiesel (from a mixture of Spirulina Microalgae Oil and Sunflower Oil) and Diesel	Sankar Shanmugasundaram, Manivarma Kumaresan, V.Jayakumar, Ragul Gandhi and Christeena Mathew	International Journal of Pure and Applied Mathematics. Vol.119, No.16, Pp.787803,	2018	5	100	Nehru College of Engineering and Research Centre
Thermo Mechanical	Ragul Ganghi, Dr	International	2018	5	75	Nehru College of

Analysis of Engine Valve and Valve Seat Insert by Finite Element Method	S.Sankar, Dr.V.Jayakumar and Thesinguraja	Journal of Pure and Applied Mathematics				Engineering and Research Centre
Parameter and Multiple Performance Optimization of MEDM through Various Electrode for Heat Treated Tool Steel	Ragul G, Prasad E, Prakash, Sankar S and Samrat Majumdar	International Journal of Pure and Applied Mathematics	2018	5	58	Nehru College of Engineering and Research Centre
CFD Simulation of Injection Mixer for CNG Engines	Ginse Joy, Dr.S.Sankar, Rixon K.L and Sreejith K.V	International journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2018	5	68	Nehru College of Engineering and Research Centre
CFD Analysis of Aerodynamics of Car	6. R.Varun, Dr.S.Sankar, Rajiv Varma and Sreejith K.V	International journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2018	5	56	Nehru College of Engineering and Research Centre
CFD Analysis of a Thrust Vectoring Nozzle	Baggio Yesudas, Dr.S.Sankar and Sreejith K.V	International journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2018	5	78	Nehru College of Engineering and Research Centre
Design and Development for	Mohammed Filsuf M.A, Dr.S.	International journal of	2018	5	78	Nehru College of Engineering

Exhaust Back Pressure Reduction with Noise Control for Motorcycles	Sankar, Christy Mathew and Sreejith K.V	Innovative Research in Science, Engineering and Technology (IJIRSET)				g and Research Centre
Design Optimization of Planner Machine Mechanism	Rinoy Johnson, Dr.S.Sankar, Rahul Rajan and Tedy Thomas	International journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2019	5	90	Nehru College of Engineering and Research Centre
Design Optimization of Stabilizer Bar Link Used In Sedan Vehicles	Rakhi Mohan and Chandrakala K R	International journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2019	5	100	Nehru College of Engineering and Research Centre
Design Optimization of Ammonia Bullet Pressure Vessel	Salman, Dr .S.Sankar, Sabarish and Tedy Thomas	International journal of Innovative Research in Science, Engineering and Technology (IJIRSET)	2019	5	35	Nehru College of Engineering and Research Centre
SYNTHESIZING GRAPHENE FROM WASTE MOSQUITO REPELLENT GRAPHITE ROD BY USING ELECTROCHEMICAL EXFOLIATION FOR BATTERY/SUPERCAPACITOR APPLICATION	G RAJKUMAR	ENERGY SOURCES, PART A: RECOVERY, UTILIZATION, AND ENVIRONMENTAL EFFECTS	2019	5	75	Nehru College of Engineering and Research Centre

NS						
A SUGGESTION FOR A GOOD ANODE MATERIAL SYNTHESIZED AND CHARACTERIZED	G RAJKUMAR	DISCOVERY JOURNAL	2019	5	75	Nehru College of Engineering and Research Centre
SMART STORAGE SYSTEMS FOR ELECTRIC VEHICLES A REVIEW	G RAJKUMAR	SMART SCIENCE TAYLOR AND FRANCIS	2019	5	90	Nehru College of Engineering and Research Centre
ENERGY SOURCE PLASTIC WASTE INTO FUEL	G RAJKUMAR	INDIAN JOURNAL OF ENGINEERING	2019	5	85	Nehru College of Engineering and Research Centre
NEW DESIGN FOR CHARGING SESSION OF ELECTROSTATIC PRECIPITATORS USING THERMO COUPLE PRINCIPLE FOR AIR POLLUTION CONTROL	G RAJKUMAR	INTERNATIONAL JOURNAL OF ENVIRONMENTAL POLLUTION AND ENVIRONMENTAL MODELLING	2018	5	75	Nehru College of Engineering and Research Centre
Techno Economic optimization and real time comparison of sun tracking photovoltaic system for rural healthcare building	P Sundaramoorthi	Journal of Renewable Sustainable Energy	2018	2	100	Nehru College of Engineering and Research Centre
Solar H8 Inverter to Reduce Leakage currents in Grid Connected	P Sundaramoorthi	International Research Journal of Engineering and Technology	2018	2	90	Nehru College of Engineering and Research Centre

Applications					
View File					

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	6	2	0	0
Presented papers	3	0	0	0
View File				

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Gram Swaraj Abhiyan Digital Survey	NSS UNIT 209,596, Gram Swaraj Abhiyan, MCA Department, Nehru College of Engineering and Research Centre	6	75
Unnath Bharath Abhiyan	NSS UNIT 209,596, Panchayat of Kaniyarkode, Pambady, Thiruwilwamala, Puthirithara and Kuthampully	3	20
Poly Garden Visit	NSS UNIT 209,596	5	80
AIDS Day	NSS UNIT 209,596	4	50
Anti Drug Campaign	NSS UNIT 209,596, Excise, Pazhayannur, Thrissur, Kerala	5	65
Nature Visit, Agriculture Orientation	NSS UNIT 209,596	6	80
Blood Donation Camp	NSS UNIT 209,596, 23 Kerala Battalion NCC, Thrissur, Kerala	8	50
Railway Adoption Program , Lakkidi Railway Station	NSS UNIT 209,596	7	60
World Water Day	NSS UNIT 209,596	5	50
Gram Swaraj Abhiyan Digital Survey Day	NSS UNIT 209 , 596, Gram Swaraj	10	100

	Abhiyan, MCA Department, Nehru College of Engineering and Research Centre		
World Environment Day	NSS UNIT 209 ,596	25	100
International Day against Drug Abuse	NSS UNIT 209,596,Vimukthy, Excise Department, Kerala	10	53
Swachatha Oath	NSS UNIT 209,596	23	150
Flood Relief Rehabilitation Work	NSS UNIT 209,596, Panchayat of Thrissur, Palakkad and Alapuzha	50	300
Survey for Flood affected areas	NSS UNIT 209,596,Panchayat of Thiruwilamala and Pazhayannur	5	100
Swatcha Hi Seva	NSS UNIT 209,596, Panchayat of Thiruvilwamala, Pazhayannur and Chelakkara	5	70
View File			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Flood Relief Rehabilitation Work	Recognition	Grama Pachayat	300
Survey and cleaning , Post Flooding Rehabilitation Programme	Recognition	Directorate of Technical Education, Government of Kerala	300
Re Build Kerala Damage Assessment	Recognition	Grama Pachayat	50
Volunteer Indoor Stadium ,Palakkad	Recognition	Palakkad District Administration, District Collector	10
View File			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Camp	NSS UNIT 209,596, 23	Service to the Society	8	50

	Kerala Battalion NCC, Thrissur, Kerala			
Railway Adoption Program , Lakkidi Railway Station	NSS UNIT 209,596	Service to the Society	7	60
Gram Swaraj Abhiyan Digital Survey Day	NSS UNIT 209 , 596, Gram Swaraj Abhiyan, MCA Department, Nehru College of Engineering and Research Centre	Digital Surveying, ODK Collect app	10	100
World Environment Day	NSS UNIT 209 ,596	Planting of Tree Saplings	25	100
International Day against Drug Abuse	NSS UNIT 209 ,596, Vimukthy, Excise Department, Kerala	Drug Awareness Program	10	53
Swachatha Oath	NSS UNIT 209 ,596	Cleanliness Awareness Program	23	150
Flood Relief Rehabilitation Work	NSS UNIT 209 ,596, Collectorate , Thrissur ,Palakkad District and Alapuzha Districts	Rehabilitation, Cleaning , Surveying	50	300
Survey for Flood affected areas	NSS UNIT 209,59 6,Panchayat of Thiruwilamala and Pazhayannur	Surveying	5	100
Swatcha Hi Seva	NSS UNIT 209,596, Panchayat of Thiruvilwamala, Pazhayannur and Chelakkara	Cleaning	5	70
Gram Swaraj Abhiyan Digital Survey	NSS UNIT 209,596, Gram Swaraj Abhiyan, MCA Department, Nehru College of Engineering and Research Centre	Digital Surveying	6	75

Unnath Bharath Abhiyan	NSS UNIT 209,596, Panchayat of Kaniyarkode, Pambady, Thiruwilwamala, Puthirithara and Kuthampully	Rural Development Program	3	20
Poly Garden Visit	NSS UNIT 209,596	Entertainment	5	80
AIDS Day	NSS UNIT 209,596	Awareness Program	4	50
Anti Drug Compaign	NSS UNIT 209,596, Excise, Pazhayannur, Thrissur, Kerala	Awareness Program	5	65
Nature Visit, Agriculture Orientation	NSS UNIT 209,596	Awareness Program	6	80
World Water Day	NSS UNIT 209,596	Awareness Program on Water Conservation	5	50
View File				

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
nil	0	nil	0
No file uploaded.			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
INTERNSHIP	Java	Atees Industrial Training	27/06/2018	08/05/2019	Sreenath
INTERNSHI	ETHICAL HACKING	TORC INFOTECH, KOCHI	11/07/2019	15/07/2019	GOPIKA
INTERNSHIP	ETHICAL HACKING	TORC INFOTECH, KOCHI	11/07/2019	15/07/2019	JISNI JOHNSON P
INTERNSHIP	ETHICAL	TORC	11/07/2019	15/07/2019	KAVYA

	HACKING	INFOTECH, KOCHI			KALIDAS
INTERNSHIP	ETHICAL HACKING	TORC INFOTECH, KOCHI	11/07/2019	15/07/2019	MAYA VINOD
INTERNSHIP	ETHICAL HACKING	TORC INFOTECH, KOCHI	11/07/2019	15/07/2019	SNEHA S
INTERNSHIP	ETHICAL HACKING	TORC INFOTECH, KOCHI	11/07/2019	15/07/2019	SREEDEVI C
INTERNSHIP	ETHICAL HACKING	TORC INFOTECH, KOCHI	11/07/2019	15/07/2019	SREELAKSHMI A
INTERNSHIP	ETHICAL HACKING	TORC INFOTECH, KOCHI	11/07/2019	15/07/2019	SULFI A
INTERNSHIP	ETHICAL HACKING	TORC INFOTECH, KOCHI	11/07/2019	15/07/2019	SEWTHA RAJ P
INTERNSHIP	ETHICAL HACKING	TORC INFOTECH, KOCHI	11/07/2019	15/07/2019	THEJUS K J
INTERNSHIP	ETHICAL HACKING	TORC INFOTECH, KOCHI	11/07/2019	15/07/2019	VARSHA P K
INTERNSHIP	ETHICAL HACKING	TORC INFOTECH, KOCHI	11/07/2019	15/07/2019	VINAY KRISHNA K M
INTERNSHIP	MACHINE LEARNING	CMS IT SERVICES PVT LTD, THRISSUR	15/07/2019	19/07/2019	JOHNLY K BABU
INTERNSHIP	System Architecture Design, Design Optimization	Keltron REC(H250) Thrissur	02/07/2018	08/07/2018	ASWATHY S
INTERNSHIP	System Architecture Design, Design Optimization	Keltron REC(H250) Thrissur	02/07/2018	08/07/2018	DRISHYA C.R
INTERNSHIP	System Architecture Design, Design Optimization	Keltron REC(H250) Thrissur	02/07/2018	08/07/2018	JOEL T JOHNY
INTERNSHIP	System Architecture Design, Design Optimization	Keltron REC(H250) Thrissur	02/07/2018	08/07/2018	VISHNU C

INTERNSHIP	Panel Board Wiring of Furnaces and Ovens	HIGH HEAT ENGINE, Bangalore	01/06/2018	31/07/2018	BENNY THOMAS JOB
INTERNSHIP	Android	ATEES Industrial Training , Thrissur	30/05/2018	10/04/2019	Aiswarya Rajendran
INTERNSHIP	Android	ATEES Industrial Training , Thrissur	30/05/2018	10/04/2019	Athira K
INTERNSHIP	Java Programming	ATEES Industrial Training , Thrissur	30/05/2018	10/04/2019	Aiswarya C
INTERNSHIP	Java Programming	ATEES Industrial Training , Thrissur	30/05/2018	10/04/2019	Karishma K
INTERNSHIP	Java Programming	ATEES Industrial Training , Thrissur	30/05/2018	10/04/2019	M Sukanya
INTERNSHIP	Basics of Programming	KITES Software Private Limited	13/04/2019	23/04/2019	Aswini M U
INTERNSHIP	Internet of Things	Live Wire, Thrissur	16/07/2018	20/07/2018	Devisree D
INTERNSHIP	Android App Development	Elektra Technology	25/07/2019	31/07/2019	Dhanushya M
INTERNSHIP	Basics of Programming	KITES Software Private Limited	13/04/2019	23/04/2019	Fathima Sibila
INTERNSHIP	Android App Development	Elektra Technology	25/07/2019	31/07/2019	Irene Fathima S
INTERNSHIP	Android App Development	Elektra Technology	25/07/2019	31/07/2019	Maya M
INTERNSHIP	Android App Development	Elektra Technology	25/07/2019	31/07/2019	Sree Sandhya
INTERNSHIP	Android App Development	Elektra Technology	25/07/2019	31/07/2019	Mohammed Shaffahan
INTERNSHIP	Android App Development	Elektra Technology	25/07/2019	31/07/2019	Rehana K
INTERNSHIP IN TERNSHIP	Plant operation	FACTCO	16/07/2018	21/07/2018	DEEPAK P P
INTERNSHIP IN TERNSHIP	Plant operation	FACTCO	16/07/2018	21/07/2018	G ARUN KRISHNA

INTERNSHIPIN TERNSHIP	Plant operation	FACTCO	16/07/2018	21/07/2018	GOKUL KRISHNAN K
INTERNSHIPIN TERNSHIP	Plant operation	FACTCO	16/07/2018	21/07/2018	GOVIND G
INTERNSHIPIN TERNSHIP	Plant operation	FACTCO	16/07/2018	21/07/2018	GOWTHAM KANNAN
INTERNSHIPIN TERNSHIP	Plant operation	FACTCO	16/07/2018	21/07/2018	JINTO THIMOTHY
INTERNSHIPIN TERNSHIP	Plant operation	FACTCO	16/07/2018	21/07/2018	JISHNU E M
INTERNSHIPIN TERNSHIP	Plant operation	MALABAR CEMENTS	23/07/2018	28/07/2018	JOSEPH S
INTERNSHIPIN TERNSHIP	Production	MINAR CASTING	23/07/2018	28/07/2018	LAHASHAD C A
INTERNSHIPIN TERNSHIP	Production	MINAR CASTING	23/07/2018	28/07/2018	L VIGNESH ARAVIND
INTERNSHIPIN TERNSHIP	Automobile Engg	INDUS MOTORS	19/07/2018	24/07/2018	MOHAMMED RASHAD A T
INTERNSHIPIN TERNSHIP	Production	MINAR CASTING	23/07/2018	28/07/2018	RAFEEK T S
INTERNSHIPIN TERNSHIP	Production	MINAR CASTING	23/07/2018	28/07/2018	ROHIT BABU M K
INTERNSHIPIN TERNSHIP	Production	SOUTH INDIA METAL COMPANY	24/12/2018	29/12/2018	RUBEK B
INTERNSHIPIN TERNSHIP	Production	SOUTH INDIA METAL COMPANY	23/07/2018	28/07/2018	SARATH V P
INTERNSHIPIN TERNSHIP	Organisation Structure	UNIVERSAL IMPLEMENTS	23/07/2018	28/07/2018	SHALIF P S
INTERNSHIPIN TERNSHIP	Production	MINAR CASTING	23/07/2018	28/07/2018	SHIJO JOSHY
INTERNSHIPIN TERNSHIP	Production	SOUTH INDIA METAL COMPANY	23/07/2018	28/07/2018	SHIYAS M
INTERNSHIPIN TERNSHIP	Production	MINAR CASTING	23/07/2018	28/07/2018	SREEHARI MADHU
INTERNSHIPIN TERNSHIP	Production	MINAR CASTING	23/07/2018	28/07/2018	SREENATH K J
INTERNSHIPIN TERNSHIP	Production	MINAR CASTING	23/07/2018	28/07/2018	THEJUS JAYASEELAN
INTERNSHIPIN TERNSHIP	Production	MINAR CASTING	23/07/2018	28/07/2018	VAISAKH PRADEEP
INTERNSHIPIN TERNSHIP	Power Plant	RELIANCE,J3 PROJECTS,JAM NAGAR	05/07/2018	18/07/2018	ABINAV V
INTERNSHIPIN TERNSHIP	Production	ORIENTAL METALS	10/12/2018	17/12/2018	ADARSH K P

INTERNSHIPIN TERNSHIP	Automobile Engg	INDUS MOTORS	23/07/2018	27/07/2018	AJAY P
INTERNSHIPIN TERNSHIP	Internet of Things	Infotech, Cochin	12/07/2018	27/07/2018	Aboo Faris
INTERNSHIPIN TERNSHIP	Internet of Things	Infotech, Cochin	12/07/2018	27/07/2018	Basil P Poulose
INTERNSHIPIN TERNSHIP	Internet of Things	Infotech, Cochin	12/07/2018	27/07/2018	Hima M M
INTERNSHIPIN TERNSHIP	Internet of Things	Infotech, Cochin	12/07/2018	27/07/2018	Kripa Krishna A
INTERNSHIPIN TERNSHIP	Internet of Things	Infotech, Cochin	12/07/2018	27/07/2018	Rajalakshmi
INTERNSHIPIN TERNSHIP	Internet of Things	Infotech, Cochin	12/07/2018	27/07/2018	Reshma Raj
INTERNSHIPIN TERNSHIP	Internet of Things	Infotech, Cochin	12/07/2018	27/07/2018	Shareefa
INTERNSHIPIN TERNSHIP	Internet of Things	Infotech, Cochin	12/07/2018	27/07/2018	Shilpa Manikandan
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	SDF INDUSTRIES LIMITED	03/05/2018	18/06/2018	ABHIJITH
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	KERALA LAKSHMI MILLS	03/05/2018	18/06/2018	ABHINA C MOHAN
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	SPINNER PYP S	03/05/2018	18/06/2018	AKHILA K JOY
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	KSE LIMITED IRINJALAKUDA	03/05/2018	18/06/2018	ANAS T
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	KSE LIMITED IRINJALAKUDA	03/05/2018	18/05/2018	ANJALI C V
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	ARIYA VAIDYA PHARMACY	03/05/2018	18/06/2018	ANJANA A V
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	MAX REGIONAL OPERATION	03/05/2018	18/06/2018	ANJITHA RAJAN
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	UNITED TRADING COMPANY	03/05/2018	18/06/2018	ANSAR K
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	ARIYA VAIDYA PHARMACY	03/05/2018	18/06/2018	ARCHANA A V
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	HEDGE EQUITIES LIMITED	03/05/2018	18/06/2018	ASSAD A
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	ADITYA BIRLA FASHION	03/05/2018	18/06/2018	ASWATHI A S
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	UNIVERSAL IMPLIMENTS	03/05/2018	18/06/2018	ASWIN K
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	MRF TYRES	03/05/2018	18/06/2018	DANY SKARIAH ELIAS

INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	UNIVERSAL IMPLIMENTS	03/05/2018	18/06/2018	DANESH K
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	KELTRON EQUIPMENT	03/05/2018	18/06/2018	DRISHYA
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	MINAR ALLOYS AND FORGINGS	03/05/2018	18/06/2018	FEBINA
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	MAX REGIONAL OFFICE	03/05/2018	18/06/2018	FATHIMA Y
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	MAX REGIONAL OFFICE	03/05/2018	18/06/2018	GAYATHRI
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	KERALA LAKSHMI MILLS	03/05/2018	18/06/2018	GREESHMA
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	UNITED TRADING COMPANY	03/05/2018	18/06/2018	HARITHA P R
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	HEDGE EQITIES LIMITED	03/05/2018	18/06/2018	HARSHA
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	MINAR ALLOYS AND FORGINGS	03/05/2018	18/06/2018	JAMSHEENA JABBAR
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	KPM AGRO FOOD PRODUCT LIMITED	03/05/2018	18/06/2018	JIBIN T JOSEPH
INTERNSHIPIN TERNSHIP	COMPANY INTERNSHIP	SDF LIMITED	03/05/2018	18/06/2018	JITHESH
INTERNSHIPIN TERNSHIP	Plant operation	FACTCO	16/07/2018	21/07/2018	AKHIL M
INTERNSHIPIN TERNSHIP	Automobile Engg	INDUS MOTORS	23/07/2018	27/07/2018	ALVARISH MOHAMMED M A
INTERNSHIPIN TERNSHIP	Production	ORIENTAL METALS	10/12/2018	17/12/2018	AMAL KRISHNA K S
INTERNSHIPIN TERNSHIP	Production	ORIENTAL METALS	10/12/2018	17/12/2018	ANEESH R
INTERNSHIPIN TERNSHIP	Production	ORIENTAL METALS	10/12/2018	17/12/2018	ANZAL S
INTERNSHIPIN TERNSHIP	Automobile Engg	INDUS MOTORS	11/07/2018	22/07/2018	ARJUN B G
INTERNSHIPIN TERNSHIP	Automobile Engg	INDUS MOTORS	23/07/2018	27/07/2018	ARJUN R
INTERNSHIPIN TERNSHIP	Plant operation	FACTCO	16/07/2018	21/07/2018	ARJUN U
INTERNSHIPIN TERNSHIP	Plant operation	FACTCO	16/07/2018	21/07/2018	ARUN KUMAR P S
INTERNSHIPIN TERNSHIP	Plant operation	FACTCO	16/07/2018	21/07/2018	ASWIN A S
INTERNSHIP	PLC	BOSCH REXROTH, CET	22/07/2019	26/07/2019	SREEHARI K NAIR

		CENTRE OF EXCELLENCE, COLLEGE OF ENGINEERING, TRIVANDRUM			
INTERNSHIP	PLC	BOSCH REXROTH, CET CENTRE OF EXCELLENCE, COLLEGE OF ENGINEERING, TRIVANDRUM	22/07/2019	26/07/2019	RAHUL RAMESH
INTERNSHIP	PLC	BOSCH REXROTH, CET CENTRE OF EXCELLENCE, COLLEGE OF ENGINEERING, TRIVANDRUM	22/07/2019	26/07/2019	VYSHNAV CV
INTERNSHIP	PLC	BOSCH REXROTH, CET CENTRE OF EXCELLENCE, COLLEGE OF ENGINEERING, TRIVANDRUM	22/07/2019	26/07/2019	SIDHARTH S
INTERNSHIP	PLC	BOSCH REXROTH, CET CENTRE OF EXCELLENCE, COLLEGE OF ENGINEERING, TRIVANDRUM	22/07/2019	26/07/2019	C R ATHUL SREERAJ
INTERNSHIP	MACHINE LEARNING	CMS IT SERVICES PVT LTD, THRISSUR	15/07/2019	19/07/2019	NITHYA P
INTERNSHIP	MACHINE LEARNING	CMS IT SERVICES PVT LTD, THRISSUR	15/07/2019	19/07/2019	VINAY KRISHNA K M
INTERNSHIP	Embedding, coding	Keltron REC(H250) Thrissur	24/07/2018	31/07/2018	AADRHRA T V
INTERNSHIP	Embedding, coding	Keltron REC(H250) Thrissur	24/07/2018	31/07/2018	GOPIKA KRISHNAN K
INTERNSHIP	Embedding, coding	Keltron REC(H250) Thrissur	24/07/2018	31/07/2018	SOORAJ M S
INTERNSHIP	Android App Development	Elektra Technology	25/07/2019	31/07/2019	Shifna M
INTERNSHIP	Internet of Things	SPATEZ	19/07/2019	30/07/2019	Mohammed Riyaz
INTERNSHIP	Electronic	Keltron	08/07/2019	15/07/2019	Amaya Raj T

	Components Production	Components Complex Limited, Kannur			
INTERNSHIP	Embedding, coding	Keltron REC(H250) Thrissur	24/07/2018	31/07/2018	ANIL K R
INTERNSHIP	Embedding, coding	Keltron REC(H250) Thrissur	24/07/2018	31/07/2018	CYRIL JOSEPH
INTERNSHIP	Embedding, c oTransformer manufacturin gding	TELK	07/06/2018	12/06/2018	ANNE MARY THOMAS
INTERNSHIP	Embedding, c oTransformer manufacturin gding	TELK	07/06/2018	09/06/2018	BHAVANA V
INTERNSHIP	Embedding, c oTransformer manufacturin gding	TELK	07/06/2018	12/06/2018	GOPIKA S
INTERNSHIP	Embedding, c oTransformer manufacturin gding	TELK	07/06/2018	09/06/2018	KARTHIKA K
INTERNSHIP	Embedding, c oTransformer manufacturin gding	TELK	07/06/2018	09/06/2018	SALINI M
INTERNSHIP IN TERNSHIP	Plant operation	FACTCO	16/07/2018	21/07/2018	AJITH
INTERNSHIP	PLC	BOSCH REXROTH, CET CENTRE OF EXCELLENCE, COLLEGE OF ENGINEERING, TRIVANDRUM	22/07/2019	26/07/2019	SIMON THOMAS
INTERNSHIP	INDUSTRIAL ROBOTICS AND IOT	INKER ROBOTICS, TRISSUR	22/07/2019	27/07/2019	ALEETA BOBY
INTERNSHIP	INDUSTRIAL ROBOTICS AND IOT	INKER ROBOTICS, TRISSUR	22/07/2019	27/07/2019	APARNA K
INTERNSHIP	INDUSTRIAL ROBOTICS AND IOT	INKER ROBOTICS, TRISSUR	22/07/2019	27/07/2019	NITHIN JOHN THAMPY
INTERNSHIP	INDUSTRIAL ROBOTICS AND IOT	INKER ROBOTICS, TRISSUR	22/07/2019	27/07/2019	MUHAMMED HANAS V H
INTERNSHIP	INDUSTRIAL	INKER	22/07/2019	27/07/2019	ADHIL

	ROBOTICS AND IOT	ROBOTICS, TRISSUR			MOHAMMED V K
INTERNSHIP	INDUSTRIAL ROBOTICS AND IOT	INKER ROBOTICS, TRISSUR	22/07/2019	27/07/2019	NADIR NAZEER
INTERNSHIP	INDUSTRIAL ROBOTICS AND IOT	INKER ROBOTICS, TRISSUR	22/07/2019	27/07/2019	ADHISH T P
INTERNSHIP	INDUSTRIAL ROBOTICS AND IOT	INKER ROBOTICS, TRISSUR	22/07/2019	27/07/2019	ABHIMANUE K S
INTERNSHIP	INDUSTRIAL ROBOTICS AND IOT	INKER ROBOTICS, TRISSUR	22/07/2019	27/07/2019	MUHAMMED SHAHAL P V
INTERNSHIP	INDUSTRIAL ROBOTICS AND IOT	INKER ROBOTICS, TRISSUR	22/07/2019	27/07/2019	YADHU KRISHNAN V
INTERNSHIP	AI ML	INKER ROBOTICS, TRISSUR	24/06/2019	29/06/2019	Anas Mohammed Ali
INTERNSHIP	ROBOTICS	INQBE INNOVATIONS, ERNAKULAM	08/07/2019	13/07/2019	Anas Mohammed Ali
INTERNSHIP	PRODUCT DESIGN AND PROTOTYPING	CADD CENTRE, OTTAPALAM	22/07/2019	26/07/2019	Mrudul Mohandas A
INTERNSHIP	DRIVES FOR ELECTRIC VEHICLES	INQBE INNOVATIONS PVT LTD, ERNAKULAM	08/07/2019	13/07/2019	Sanjay Sudhakaran
INTERNSHIP	PRODUCT DESIGN AND PROTOTYPING	CADD CENTRE, OTTAPALAM	22/07/2019	26/07/2019	Vishnu.s
INTERNSHIP	INTERNET OF THINGS	LIVE WIRE,Th rissur	16/07/2018	20/07/2018	AISWARYA K
INTERNSHIP	ANDROID APP DEVELOPMENT	ELEKTRA TECHNOLOGY	25/07/2019	31/07/2019	AKSHAYA V M
INTERNSHIP	BASICS OF PROGRAMMING	Kites software PVT.Ltd	13/04/2019	23/04/2019	ASWANI M U
INTERNSHIP	ANDROID APP DEVELOPMENT	ELEKTRA TECHNOLOGY	25/07/2019	31/07/2019	ATHUL P S
INTERNSHIPIN TERNSHIP	Plant operation	FACTCO	16/07/2018	21/07/2018	ABDUL MANAF P A
INTERNSHIPIN TERNSHIP	Automobile Engg	PINNACLE SKODA	23/06/2018	28/06/2018	ABHINAND J K
INTERNSHIP	wired and wireless communication	BSNL PALAKKAD	23/07/2018	28/07/2018	AKARSH K MURTHY
INTERNSHIP	MACHINE	KELTRON	23/07/2018	27/07/2018	DEEPIKA R

	LEARNING	KNOWLEDGE CENTRE,BSNL CENTRE,THRIS SUR			
INTERNSHIP	MACHINE LEARNING	KELTRON KNOWLEDGE CENTRE,BSNL CENTRE,THRIS SUR	23/07/2018	27/07/2018	DEVIKA S NAIR
INTERNSHIP	MACHINE LEARNING	KELTRON KNOWLEDGE CENTRE,BSNL CENTRE,THRIS SUR	23/07/2018	27/07/2018	FATHIMA NASREEN K H
INTERNSHIP	MACHINE LEARNING	KELTRON KNOWLEDGE CENTRE,BSNL CENTRE,THRIS SUR	23/07/2018	27/07/2018	LIKHA
INTERNSHIP	IOT	CMS IT SERVICES PVT LTD,THRISSUR	23/07/2018	28/07/2018	LEENU MATHEW
INTERNSHIP	IOT	SERVICES PVT LTD,THRISSUR	23/07/2018	28/07/2018	DIVYA P
INTERNSHIP	IOT	SERVICES PVT LTD,THRISSUR	23/07/2018	28/07/2018	SAHLA K
INTERNSHIP	IOT	SERVICES PVT LTD,THRISSUR	23/07/2018	28/07/2018	SHINU
INTERNSHIP	IOT	SERVICES PVT LTD,THRISSUR	23/07/2018	28/07/2018	SILPA M S
INTERNSHIP	PHP	ACCENT TECHNO SOFT, COIMBATORE	28/11/2018	04/12/2018	SHIBILA S
INTERNSHIP	Java	Atees Industrial T raining,Thri ssur	26/06/2018	02/05/2019	Silna Wilson
INTERNSHIP	Java	Atees Industrial Training, Th rissurAiswar ya MA	04/07/2018	08/05/2019	Aiswarya M A A
INTERNSHIP	Java	Atees Industrial Training, Thrissur	05/06/2018	08/05/2019	Shivin Wilson
INTERNSHIP	Java	Atees Industrial Training	04/07/2018	07/05/2019	Shyam
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate

houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Six Phrase	10/10/2018	Training	200
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
75	65.31

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Others	Newly Added

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
KOHA LIBRARY SOFTWARE	Fully	19.11	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	28252	9755738	57	76433	28309	9832171
Reference Books	4565	2452831	11	32811	4576	2485642
e-Books	1197	0	0	0	1197	0
Journals	235	254646	0	0	235	254646
e-Journals	2	180127	0	0	2	180127
CD & Video	2385	0	33	0	2418	0

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Rahul R	ME 100 MODULE 2	Adobe Acrobat PDF	11/04/2019

Rahul R	ME 100 MODULE 1	Adobe Acrobat PDF	11/04/2019
Rahul R	ME 220 KTU UNIVERSITY QUESTION PAPER	Adobe Acrobat PDF	11/04/2019
Rahul R	ME 220 MODULE 4 QB	Adobe Acrobat PDF	11/04/2019
Rahul R	ME 220 MODULE 3 QB	Adobe Acrobat PDF	11/04/2019
Rahul R	ME 220 MODULE 2 QB	Adobe Acrobat PDF	11/04/2019
Rahul R	ME 220 MODULE 1 QB	Microsoft Word Document	05/04/2019
Vishag T	ME303 MOD 2 LECTURE NOTE	Adobe Acrobat PDF	13/11/2018
Vishag T	NPTEL LECTURE NOTES	Adobe Acrobat PDF	13/11/2018
Vishag T	ME303 MODULE 1 TEXT	Adobe Acrobat PDF	13/11/2018
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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	Available Bandwidth (MGBPS)	Others
Existing	745	12	2	2	1	3	6	64	0
Added	20	4	0	0	0	0	0	0	0
Total	765	16	2	2	1	3	6	64	0

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

64 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
YouTube Channel	https://studio.youtube.com/channel/UCv5ORX2UtCrZUIAn3ieTc8w

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
27	24.62	375	353.69

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

Maintenance of physical facilities and equipment are doing periodically. Campus cleaning, electrical item maintenance, water and sanitation facilities maintenance, garden maintenance, night security, college gate maintenance, etc. are being maintained by the college management appointed contractual grade

staff. Other instruments are being maintained on call basis as when needed. Up gradation of the computer systems is generally done on quarterly basis. To fulfill the emergency demands, individual system up gradation is carried out keeping in mind the need for update, deployment and maintenance of the computers in the institution. Annual maintenance of existing equipment is carried out by concerned department.

<https://www.ncerc.ac.in/>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Nehru Vignjan Award	11	525000
Financial Support from Other Sources			
a) National	EGrand Scholarship, Kerala Government	188	3760000
b) International	0	0	0

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Bridge course	12/06/2019	64	0
Soft Skill Training 1	10/10/2018	75	Global Talent Track
Soft Skill Training 2	10/03/2019	75	Vajra
Aptitude Training	12/03/2019	75	Confidence
Counselling and Mentoring 1	03/10/2018	129	Dr.Mallika Balakrishnan
Counselling and Mentoring 2	11/10/2018	53	Dr.Mallika Balakrishnan
Counselling and Mentoring 3	22/11/2018	27	Dr.Mallika Balakrishnan

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	MCA Entrance coaching	28	0	23	0

2019	MCA softskill coaching and aptitude training	0	12	0	12
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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
8	8	15

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Focus Edumatics, Accenta education, Amazon	350	287	ACCENTA, BYJU S, AMAZON, IBS , TCS, Wipro, CTS, Robert Bosch, FACE, TRIMMED SOLUTIONS, NE UDESIC, HINDU JA GLOBALS	350	287

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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	Name of programme admitted to
2018	1	B.Tech Mechanical Engineering	Mechanical	NCERC	M.Tech Machine Design
2018	2	B.Tech	EEE	NCERC	M.Tech Energy System
2018	2	MCA	MCA	Bharathiar University	M.Phil
2018	1	MCA	MCA	Bharathiar University	MBA-ISM
2018	3	BTech	CSE	NCERC	M Tech

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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/ qualifying
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GATE	1
GATE	1
GATE	1
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
KTU E Zone table tennis tournament held on 12/09/2019 at Vidya College Thrissur	University state level	5
KTU E Zone cricket tournament held on 24/09/2018 at GEC Thrissur	University state level	16
Interzone (E Zone) level chess competition held at Jawaharlal College of Engineering and Technology	State Level	4
KTU E Zone inter college basket ball tournament 2018 held on 01/10/2018 at GEC Thrissur	University state level	10
KTU E Zone womens basket ball tournament held on 01/10/2018 at GEC Thrissur	University state level	10
KTU E Zone volley ball tournament held on 12/10/2018 at GEC Thrissur	University state level	11
KTU E Zone Badminton Tournament held on 25/9/2018 at Christ Engineering College, Thrissur	University state level	7
KTU E Zone Badminton(Womens) Tournament held on 25/09/2018 at Christ Engineering College, Thrissur	University State Level	4
KTU E Zone Football tournament held on 20/10/2018 at GEC Palakkad	University State Level	20
KTU E Zone Kabbadi Tournament held on 12/09/2018 at EKC Manjeri	University state level	12
Atheletics meet conducted	College level	195

on Annual sports day on 07/02/2019		
badminton tournament conducted on annual sports and games meet	college level	34
Basket ball tournament conducted on annual sports and games meet	college level	65
Chess tournament conducted on annual sports and games meet	College level	8
Cricket tournament conducted on annual sports and games meet	college level	48
Football tournament conducted on annual sports and games meet	College level	52
Throw ball tournament for womens at annual sports and games meet	College Level	40
Volley ball(mens) tournament conducted on annual sports and games meet	college level	37
Volley ball(Womens) tournament conducted on annual sports and games meet	College Level	36
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	nil	National	0	0	0	nil
No file uploaded.						

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

Students' Committees of the college works for the benefit of the students throughout the year and pursues several activities within and outside the college campus. The major activities pursued by the Students Committees in 201819 are Cultural Activities: • Organizing college day a cultural programme to inspire the newly admitted students in the college. • Celebration of birth and death anniversary of our founder in the college. • Observation of Teachers' Day to mark the birth anniversary of Dr. S. Radhakrishnan. • Organizing " KALASHAKOTTU 2K19" art fest for the students. • Celebration of Saraswati Puja in the college. • Celebration of Onam, a traditional kerala cultural programme . Sports Activities: • Organisation of intercollege Football Tournament. • Organisation of Annual Sports of the college. Technical Activities: •

Organizing a tech fest "NSITE 2K19" to molding the technical skills of the students . Other Activities • Fees concession for the students based on merit cum scholarships.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

The college has an alumni association named THIRIKE. The alumni meet acts as a good medium for the institution to take inputs from alumni and to mould the students to adapt for the recent technologies used in industry. Our key objectives of alumni association are, • To improve interaction between the Alumni Members and the college by conducting reunions and meets. • To share knowledge / experience of Alumni members to our students. • To provide forums for the Alumni members to exhibit their experience and expertise in their respective area. • To improve infrastructural and other facilities by the contribution from alumni. • To arrange for campus placement, projects, implant training and on the job training. • To make long term association between alumni and college to support the students The alumni association of college conducts the alumni meet annually. Alumni also give the inputs regarding latest tools/technologies for our students in the form of lectures/workshops/seminars. This also gives an opportunity for the students and faculty members to interact with the alumni. The feedback of alumni is given due consideration to bridge the gaps between academics and industry. Various programmes on aptitude, personality development, study abroad and carrier counselling are organized based on the suggestions given by alumni. Infrastructure facilities are being regularly upgraded to meet the requirements and aspirations of students based on suggestions given by alumni. Alumni give updates regarding various job opportunities, corporate requirements and impart training for appearing competitive examination through on-campus lectures or by online.

5.4.2 – No. of enrolled Alumni:

7885

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

700000

5.4.4 – Meetings/activities organized by Alumni Association :

24/02/2019 : organized REFLECTIONS MCA alumni meet. Presented Dhvani award for the best MCA outgoing student.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

Decentralization of Responsibilities: Many of the staff are involved in administrative, curricular and extracurricular activities. Time to time Principal conducts meeting with the concerned HoDs/ in charges to discuss various issues and resolutions made will be passed on to Principal for further action. Similarly, the outcomes of Principal meeting will be passed on to individual faculty / staff for implementation. Senior faculty members are allotted to coordinate various academic activities, faculty development programmes and student enrichment courses. Students leave and On Duty are sanctioned by class advisor and approved by the HoDs. The subject allocations are finalized by the HoDs. Principal is administrative Head of the institution and has financial power up to 50,000. Placement activities delegated to all

department placement coordinators through training and placement cell by the Placement director. For other curricular and extra curricular activities, the departments and HoDs will put up the proposals for financial approval to the Principal and the Principal directs to the Chairman. All the activities are executed with the approval of the Chairman and the Principal. Administration work is delegated by the Campus manager and the administrative officer. CoCurricular and extracurricular activities are delegated to the faculty incharges of various departments. Faculty and students are involved through committees such as o Disciplinary Committee, o Anti ragging committee, o Grievance and redressal cell o Training and placement cell. o Time Table Committee o Department Associations o Professional bodies and associations o National Social service o National Cadets Corps. o Transportation committee o Welfare committee Every lab has a faculty member as Lab in charge who initiates all purchases and repairs. The HoD has been authorized to invite quotations from competitive firms. Comparative statement is prepared and recommendations are made by the department. All purchases are approved by the Chairman and the Principal and executed by the department.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	Curriculum is set by the university. Academic mentoring of students is done by the teachers.
Teaching and Learning	The back bone of every academic institution is the process of teaching learning. College takes regular measure for enhancement of competency of faculties so as to effective curriculum transaction in the classes. Teaching learning processes are continuously improved according to students feedback which are collected twice every semester which helps every faculty to improve their teaching procedures. We adhere to academic calendar prepared for that particular year and have a lesson plan in hand before commencing new semester. Lesson plans are distributed in the form of printed course files. We also well maintained laboratories giving a very good laboratory experience and minimum two faculty members to assists a batch of 30 students. This helps every student to understand each and every experiment with relation to its practical importance and maintain record in a better way as a student gets individual attention. Workshops, seminars, use of ICT in class rooms contributed to enhancement of teaching learning.
Examination and Evaluation	All year round evaluation through class

tests, tutorials, student seminars/presentations keeps the students in touch with their subject It also enhances and helps students grow in confidence for university examinations. Results of internal examinations are published online. The students also receive a hard copy of the results which their parents to sign. Parent teacher meetings are conducted for students who have low attendance and those who have not performed well in college. Internal sessional, terminal examinations are conducted by the examination committee.

Library, ICT and Physical Infrastructure / Instrumentation

College library is fully computerized. Computers are power backed up. The overall infrastructure is arranged well so as to able to handle by person with disabilities. Big class rooms, separate and sufficient number of toilets, big play grounds, indoor stadiums, modern gymnasium, state of art laboratories, gardens inside the building for beautification, fully computerized administrative office. Security guards are available for 24 Hrs and 365 days in surrounding area. Peaceful and healthy environment is available and it is supportive for education.

Human Resource Management

Before commencement of every academic year the faculty and staff requirements are assessed and the vacancies are advertised in leading dailies besides placing the same in the institutions website. Duly constituted selection committees recruit the faculty and staff. The faculty and staff requirements are assessed on the work load as per the AICTE norms.

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

E-governance area	Details
Planning and Development	Yes. icampus software is available. Academic planner with all datas of Curriculum, CoCurriculum, Extra curriculum and its Implementation is recorded and Monitored
Administration	Yes. icampus software is available. The administration of office dealing with students, faculty, admissions are fully computerized. The college management always takes lead role in providing better facilities to all its faculties, support staff and students. Establishment of physical facilities

	enhancement, round the clock water supply through deep boring, clean drinking water facilities and continuous power supply etc are provided. Special initiative to facilitate sports and cultural activities are taken. The college takes active participation in data submission to AISHE portal in a timely manner.
Finance and Accounts	Yes. TALLY is available. The college maintained its accounts and financial audit done regularly. Internal fund flow and out going funds are all in the recorded forms. All the incoming fees from students are collected through bank challan and net banking. All the funds are registered and GST registration done. All the salaries of teaching and non teaching staff are computerized and remittances are online.
Student Admission and Support	Yes. icampus software is available. Admission process is completed on counselling basis. Poor students and merit students are supported financially from the college fund. Academic support provided weak students. The library welcome students for reference and study. In case of any illness, students are visited in hospital by staff and companions.
Examination	Yes. icampus software is available. Internal exams are conducted by exam wing under supervision of head of the institution and the answer papers distributed to students through corresponding teacher. Results are sent to the parents by SMS. End semester examinations being done on offline basis as per university norms and the results are available in the university website.

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	Rajkumar G	ICICT 2018	NIL	5000
2018	Rajkumar G	ICICT 2018	NIL	5000
2018	UNNI M R	ICETWCSPN 2018	NIL	5000
2018	UNNI M R	ICETWCSPN 2018	NIL	5000

2019	K R CHANDRAKALA	ICHTM 2019 (7TH INTERNATIONAL)	NIL	5000
2019	Dr. Sheela Srivastav	ICHTM 2019 (7TH INTERNATIONAL)	NIL	5000
2018	Mr. RAMAKRISHNAN KS	NATIONAL CONFERENCE ON DIGITAL INDIA	NIL	1500
2018	KRISHNAPRIYA	NATIONAL CONFERENCE ON DIGITAL INDIA	NIL	1500
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	PRABHODITA 2K18Worksh op on Outcome based NBA	SIPL	25/06/2018	29/06/2018	150	0
2018	Out Bound Training	Out Bound Training, NOBLE Coim batore.	13/10/2018	14/10/2018	60	30
2018	Training on Outcome Based Education	OBE for both faculty	12/07/2018	13/07/2018	70	30
View File						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
IOT hands on workshop	2	27/05/2019	28/05/2019	2
PRABHODITA 2K18Workshop on Outcome based NBA	200	25/06/2018	29/06/2018	5
Emerging Trends in Big Data Analytics and HADOOP	2	14/01/2019	18/01/2019	5

NPTEL Introduction to Internet of Things	1	01/01/2019	01/04/2019	120
Trends in Electric Vehicle Technology	2	01/07/2019	05/07/2019	5
Faculty Development Program on Entr epreneurship	1	02/01/2019	15/01/2019	14
Faculty Development Program InfyTQ based Foundation program	2	24/06/2019	29/06/2019	6
Faculty Enablement Program on FP 5.0 by Infosys	1	06/08/2018	10/08/2018	5
FDP on Theory and paractice of datascience	2	24/06/2019	28/06/2019	5
FDP on Emerging trends in Big data analytics and Hadoop	2	14/01/2019	18/01/2019	5
Faculty Development Programme in Entrepreneurship	2	02/01/2019	15/01/2019	14
Faculty Development Programme in Hybrid electric Vehicles	1	03/06/2019	07/06/2019	5
3day FDP for student Induction program for AICTE approved institutions organized at ACE palakkad	1	14/06/2019	16/06/2019	3
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
0	0	0	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>PK DAS Hospital Privilege Card, Health Policy Scheme, Chikitsa All employees who has been working for more than 1 year are provided with this scheme of Rs. 50,000, Accident insurance scheme for teaching staff, insured by Universal Sompo General Insurance Company, Coimbatore, Financial support to faculty members for publishing research paper in international, national journals, rupees 5000/ and 1500/ respectively. Financial support to faculty members for publishing books under reputed publishers, Rs 5000/ for individual author and Rs 1500/ for coauthors. All faculty members are eligible for casual leaves, compensatory leave, OD, vacation leave, emergency leave, maternity leave, annual leave, medical leave etc.</p>	<p>PK DAS Hospital Privilege Card, Health Policy Scheme, Chikitsa All employees who has been working for more than 1 year are provided with this scheme of Rs. 50,000, Accident insurance scheme for teaching staff, insured by Universal Sompo General Insurance Company, Coimbatore. All nonteaching staff are eligible for casual leaves, compensatory leave, OD, vacation leave, emergency leave, maternity leave, annual leave, medical leave, ESI etc.,</p>	<p>PK DAS Hospital Privilege Card, Accident insurance scheme for teaching staff, insured by Universal Sompo General Insurance Company, Coimbatore, Nehru Vigyan Scholarship, Meritorious students 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)

Yes, the Institution has a system for Internal and external audit. An effective mechanism is followed by the institution for auditing all the accounts. The institution has appointed a Chartered Accountant Ms. Bindu Suresh Kumar and Associates. Mr. Unnikrishnan R is designated as Finance Officer who verifies and checks bills and vouchers, passes the bills, manages the fund and determines the fee after the discussion with the management. The institution has both internal and external audit mechanisms.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Karma, Conference	275000	Organizing management fest
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6.4.3 – Total corpus fund generated

1167013882

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	KTU	Yes	IQAC
Administrative	Yes	ICS International certification services, Chennai	Yes	AMR Assistant management Representative

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

Internship and project work support to MBA students. Placement support to engineering students. Support and recommend for remedial classes for weak and failed students.

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

Workshop on NS2 tool for advanced networking lab Work shop on ASP.NET package for software development Hands on training on Oracle and Python programming language.

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

Creation of Research cell to focus on engineering and management discipline. Steps taken for NBA accreditation Steps taken to make our institute, COE (Center of Excellence)..

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Technical Workshop on VLSI Design, Embedded Systems, Robotics and Technical Talk	23/07/2018	23/07/2018	27/07/2018	62
2018	Workshop on Hnads on Training on Arduino	27/07/2018	27/07/2018	27/07/2018	40
2018	National Level Workshop on	26/07/2018	26/07/2018	28/07/2018	150

	Robotics and Process Automation				
2018	Seminar on Employability Aspects in Information Technology	04/10/2018	04/10/2018	04/10/2018	74
2018	Seminar on Digital Marketing	01/11/2018	01/11/2018	01/11/2018	30
2018	Motivational Talk on Goal Setting and Team Building	18/12/2018	18/12/2018	18/12/2018	40
2019	International Conference on Green Logistics and Supply Chain	10/01/2019	10/01/2019	10/01/2019	40
2019	Seminar on Java and Oracle	04/02/2019	04/02/2019	04/02/2019	95
2019	Workshop on Autonomous Robotics	13/02/2019	13/02/2019	13/02/2019	75
2019	Workshop on Cyber Security	23/02/2019	23/02/2019	23/02/2019	55
2019	Seminar On Gesture Recognition Technology	11/03/2019	11/03/2019	11/03/2019	65
2019	Workshop on Technology Based Entrepreneurship Development Program	25/03/2019	25/03/2019	25/03/2019	60
2019	Workshop on Big Data	20/03/2019	20/03/2019	20/03/2019	50
2019	Workshop on IoT	27/05/2019	27/05/2019	27/05/2019	55
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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	Period from	Period To	Number of Participants
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programme			Female	Male
Womans Day Program	08/03/2018	08/03/2018	102	27
Yoga Awareness for Health	21/06/2018	22/06/2018	90	12
Poster making on Gender equality	09/01/2019	09/01/2019	8	7
Essay Competition - Challenges of being a working woman	20/03/2019	20/03/2019	21	8

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

Energy audit is designed to be an effective tool in defining and pursuing comprehensive energy management routines in our campus. Our audit process has a positive approach aiming at continuous improvement in energy utilization methodologies, which stresses to maintain regularity and optimal patterns of execution. Energy audit helps us in energy cost optimization, pollution control, safety aspects above all, suggests the methods to improve the operating and maintenance practices of various subsystems.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	300
Ramp/Rails	Yes	50
Rest Rooms	Yes	500
Scribes for examination	No	0
Physical facilities	Yes	500

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	30/08/2018	2	River bank Cleaning	Flood relief activities at Buzhaes at B	40

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

Title	Date of publication	Follow up(max 100 words)

HR Policy	03/09/2018	<p>Our HR Policy handbook is devised to be a clear roadmap to all our staff members. It defines all Professional practices to be executed, Code of Conduct and also refers to the Value system to be practiced by various stakeholders. The HR policy has some continuing guidelines on the NCERC approaches intended to adopt in managing its people. It represent specific guidelines to our HR managers on various matters concerning employment and state the plans of our organization on different aspects of Human Resource management such as recruitment, promotion, compensation, training, selections etc. It serves as a reference point for our management practices, when decisions are being made involving various stakeholders.</p>
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7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
World Environment day celebration	05/06/2018	05/06/2018	100
International day against drug abuse	26/06/2018	26/06/2018	120
Independence day celebration	15/08/2018	15/08/2018	200
Rehabilitation work at GEC Thrissur	28/08/2018	31/08/2018	200
Flood Survey	01/09/2018	01/09/2018	150
Teachers day celebration	05/09/2018	05/09/2018	200
Personality development class	22/09/2018	22/09/2018	120
Gandhi jayanthi celebration	02/10/2018	02/10/2018	200
Childrens day celebration	14/11/2018	14/11/2018	200
UBA Survey	16/11/2018	16/11/2018	50

Republic day	26/01/2019	26/01/2019	100
Womens day celebration	08/03/2019	08/03/2019	200
World water day	22/03/2019	22/03/2019	200
Blood donation camp	30/03/2019	30/03/2019	150

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

Waste Management: viable and the appropriate approaches for food waste management in canteens and hostels are executed creating a behavioral and practical change in this regard. **Plastic free zone:** The usage of non recycle plastic is almost nil, and strict steps have been followed to materialize this process. Systematic programs and cleaning activities involving Student and Staff community forms the backbone of this novel practice. **Conference on Green Logistics:** brought together some leading academic scientists and research scholars to exchange and share their experiences and research results on all aspects of Green Logistics, Sustainability and Environment. It also provided a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Green Logistics. **NSITE stall on Green Computing:** Stall exhibited various models like Energy efficient software which plays a key role in exploring the latest hardware power savings offered by current generation architecture. It demonstrated that, some Poorly written code can prevent a system from taking advantage of new hardware features. **Rain water harvesting:** The total landscape of the campus is so designed to trap the rainwater in natural reservoir ponds inside the premises, which are effectively maintained by the authorities. **Moreover,** the renovation plans of our Admin block gave prime focus for the rain water harvest practices to be efficiently worked out. **Water sewage plant:** A professionally designed model is being operated in our hostels. Our plant runs a process of removing contaminants from hostel wastewater. Physical, chemical, and biological processes are used to remove contaminants and produce treated wastewater that is safe enough for release into the environment. **Maintaining Greenery in campus:** The landscape of campus is designed so as to maintain its lush greenery undisturbed. The buildings are so designed that it never destroys the natural beauty of the land. **Plant a tree Campaign:** The campaign is about initiating a planting task and then inviting all partner institutes to plant trees for peace and a more sustainable future. It is part of a wide campaign where more than 20 NGI schools plus other institutes could participate. This event is a practical way of enhancing environmental and global education. It connects our student community to focus on environmental issues and fosters awareness about the importance of trees and forests on a global scale. The planting of trees symbolize hope and the continuity of life.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Unnat Bharath Abhiyan: Our college is a Participating Institute for Unnat Bharath Abhiyan mission. Through UBA program, Government of India intends to promote development of rural areas in tune with Gandhian vision of selfsufficient 'village republics', based on local resources and using decentralized, eco friendly technologies so that the basic needs of food, clothing, shelter, sanitation, health care, energy, livelihood, transportation, and education are locally met. NCERC is proud to be a part of this vision of holistic development of villages. There exists some huge developmental disconnects between the rural and urban sectors such as inequity in health, education, incomes and basic amenities as well as employment. To fill this gap here, UBA facilitated our institutions to contribute directly towards the

development of the Pampady region which falls in rural sector. This is done through surveys in Household and Village levels. Village attachment Program: The VAP aims to provide rural entrepreneurship awareness, practical experience in real life situation in rural agriculture and creating awareness to the student about practical agriculture and allied sciences. The programme will help in building confidence, skill and acquire Indigenous Technical Knowledge (ITK) of the locality. It also aims to provide opportunities to acquire hands on experience and entrepreneurial skills. VAP will provide an occasion for students to understand the rural setting in relation to agriculture and allied activities, to familiarize with socioeconomic conditions of farmers and their problems, to learn real field situations, especially in contact with farmers, weavers etc. It is also useful to gain the knowledge and experience of the work culture and provides an industrial exposure to the students on SSI sector. Moreover the technical and managerial knowledge of our student community may be leveraged for the upliftment of those villages. Leadership awareness workshop: Leaders are those who possess a deep sense of self awareness and are able to connect and engage with others in meaningful ways. They are able to create possibilities from their circumstances, rather than being limited by them. The Leadership Advantage program is an in depth journey to personal mastery as a leader, designed for emerging leaders and high potential people. The objective of the program is to make the participant define his or her individual purpose as a leader. Students from various colleges visit our campus and were engaged in activities like management games, creative thinking, social interaction etc. The sessions were actively handled by our faculty members. Students are aided to identify their unique strengths and the underlying beliefs and motivations that serve them, as well as those that limit their effectiveness. Through this program, participants would develop a clear understanding of their purpose and vision as a leader.

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

<https://ncerc.ac.in/home/agar/>

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

Nehru Vigyan Scholarship: The engineering students are very crucial to the development of society and nation. In such scenario, if financial obstacles restrict the education for meritorious students, that's not virtuous. To support them in continuing their career journey, Nehru Group provide several fruitful scholarships for engineering aspirants, turning them into socially committed Professionals. Nehru Vigyan scholarships are based on students' merits and previous standard's scores. Eligible Students from financially backward sectors are also referred for this financial aid. The prestigious educational scholarship known as NVA was initiated by our founder (Late) Shri. P K Das and is offered by the Nehru college of Educational and Charitable Trust with the objective to promote the interests of socially and economically backward students for the upliftment and bringing them to the elite strata of professional education. The Trust decided to implement and extend this prestigious Nehru Vignjan Scholarship to all the institutions under Nehru Group from 2003-04 academic year onwards. The Process of NVA may be summarized as Principal, using his discretion may select one backward student who is meritorious and outstanding in his performance Allotments will be done based on the academic performance of the students with 80 minimum aggregate in plus two A merit list will be prepared from the recommendations based on their Plus Two marks The students should submit first, second and third choice mentioning college and course The allotment to the colleges/courses will be purely based

on the Merit list Students will have to qualify the Kerala Engineering Entrance Examination to get admission in colleges under Nehru Group of Institutions, Kerala.

Provide the weblink of the institution

<http://www.nehrucolleges.com/vigyan/>

8.Future Plans of Actions for Next Academic Year

We planned to get accreditation for all the programs and there by increasing the number of courses, To increase the number of MTech. program , We have planned to establish centres of excellence in the specialized areas of various program, To increase the community development programs to the nearby villages through the quality of testing of drinking water, We planned to increase the public awareness programs involving more student participation, we planned to strengthen our Research developmental activities, we Planned to encourage the faculty for pursuing Ph.D, we planned to concentrate on the Quality of research publication in the prescribed UGC Part A journals, We planned to increase the MOU in each department , We planned to get A in naac by increasing the quality in all the aspects, We planned to increase more number of faculty exchange and student exchange programs, We planned to go for autonomous status at the earliest.