



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		KARPAGA VINAYAGA COLLEGE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution		P. Kasinatha Pandian
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		044-27565970
Mobile no.		9524008938
Registered Email		kvcet@live.com
Alternate Email		pkpandian.kvcet@gmail.com
Address		GST Road, Chinna Kolambakkam, Padalam - 603308, Madhuranthagam (Tk.), Chengalpet (Dt.)
City/Town		Kancheepuram
State/UT		Tamil Nadu

Pincode	603308																		
2. Institutional Status																			
Affiliated / Constituent	Affiliated																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	private																		
Name of the IQAC co-ordinator/Director	Dr. D. Saravanan																		
Phone no/Alternate Phone no.	04427565486																		
Mobile no.	9551841399																		
Registered Email	saravanan.danapal@gmail.com																		
Alternate Email	principaloffice.kvcet@gmail.com																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	https://www.kvcn.edu.in/naac-3/#																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.kvcn.edu.in/naac-3/#																		
5. Accreditation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B+</td> <td>2.64</td> <td>2018</td> <td>26-Sep-2018</td> <td>25-Sep-2023</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	B+	2.64	2018	26-Sep-2018	25-Sep-2023
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
1	B+	2.64	2018	26-Sep-2018	25-Sep-2023														
6. Date of Establishment of IQAC	01-Jun-2017																		
7. Internal Quality Assurance System																			
Quality initiatives by IQAC during the year for promoting quality culture																			
Item /Title of the quality initiative by IQAC		Date & Duration		Number of participants/ beneficiaries															

Initiative for New Research Projects	15-Nov-2019 92	10
EDC	25-Dec-2018 89	650
Mini Projects	21-Nov-2018 61	350
PMKVY-TI Programme	29-Sep-2018 88	250
Outreach Programmes	20-Aug-2018 6	1100

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Biomedical Engineering	Project	MoES	2018 1095	885000
Biomedical Engineering	Project	ICMR	2018 730	194800
Biomedical Engineering	Seminar	DBT	2018 2	100000
Biomedical Engineering	Seminar	CSIR	2018 2	30000
Biomedical Engineering	Conference	AERB	2018 2	25000
Biotechnology	Seminar cum Workshop	NABARD	2018 2	100000
Biotechnology	Certificate Programme	NCOF	2018 30	300000
Mechanical Engineering	EAC	DST-NIMAT	2018 15	100000
Biotechnology	Project	TNSCST	2019 180	7500

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

Yes

Upload latest notification of formation of IQAC

[View Link](#)

10. Number of IQAC meetings held during the year :

3

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View Uploaded File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

Faculty Members have been encouraged to apply for project grants under BIRAC and faculty members were called for presentation before the committee at KIIT, Bhubaneswar

Based on IQAC's effort Rs. 6.62 lakh for organizing various programme and Rs. 10.76 lakh for Research project have been received from DBT, MoES, ICMR, DST-NIMAT etc., for organizing various programme

Industry-Institute Partnership Cell has initiated more programme in collaboration with industries

Applied for MSME incubation centre

Applied for financial assistance for various programme under DST-NIMAT project

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

Plan of Action	Achivements/Outcomes
To encourage students to register for internship to enhance their practical knowledge	652 students have attended internship in various industries
To encourage students to undergo online courses offered by NPTEL and other agencies	More than 120 students have registered for online certificate courses
To encourage research by providing seed money to faculty from the institute	Rs. 5.80 lakh have been provided as seed money for 10 number of research projects
To create incubation centre	Application submitted to the MSME incubation centre
To apply more number of proposal by students and faculty to various funding agencies for projects	3 projects worth Rs 24.47 lakh have been approved by MoES, ICMR and TNSCST
To submit more number of proposal for	Rs. 5.35 lakh have received from CSIR,

financial assistance seminars / conferences / workshops	DBR, AERB, NABARD, ICOF for organizing various programmes
To apply more programmes under DSTNIMAT programmes	EAC is approved by DSTNIMAT sum of Rs. 100000 received
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Governing Council	04-Dec-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2018
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Date of Submission	20-Dec-2018
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17. Does the Institution have Management Information System ?	No
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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

We, Karpaga Vinayaga College of Engineering and Technology adopted the curriculum prescribed by the Anna University, Chennai and implemented the regulations and guidelines as per changes made time to time. The curriculum is effectively implemented to achieve Vision and Mission of the Institute. The institution has good infrastructure for enabling good communication in the context of content delivery. COMMITTEE FOR EFFECTIVE IMPLEMENTATION The college has different committees which prepare guidelines and frameworks to suit requirements of different courses at the departmental level. The college academic committee prepares the academic calendar, timetable and workload of the individual departments and provide directions as per IQAC. The committee is regularly monitoring the effectiveness of the same throughout the semester. Academic and Administrative Audit (AAA) committee will screen the lesson plan, course materials and question banks prepared by the faculty, followed by issue the contents to the students. The evaluation schemes are planned and monitoring for continuous evaluation. The systems have been structured to help maintain uniformity, transparency, academic standards and quality during internal assessment of students. TEACHING AND EVALUATION PROCESS Each department has sub-committee to implement the teaching and learning process. The department level plan is prepared in advance for execution of the course. Each faculty has

focused on their subjects to deliver the content in the class room and requirements like AV teaching aids, online simulation, models etc., are discussed. The institution has well planned to meet the curriculum gap, and the departments have conducted guest lectures and invited the renowned professors, industry persons to fulfill the gap. Apart from this, value added courses, workshops, seminars, industrial visits were organized to meet the curriculum gap. The institution has adopted "outcome based approach" for the effective delivery of the curriculum. In this concern, the setting of the assessment question papers is designed to confirm the attainment of course outcomes. Faculty members are encouraged to do applied research projects and to organize conferences / seminars / workshops and to submit proposals to various funding agencies and also sponsored to attend the technical events. THE SUPPORTIVE INFRASTRUCTURE Supportive infrastructure and facilities are continuously being upgraded to the needs of changing curriculum and pedagogy. The college has well equipped laboratories and classrooms. The college library is well-stocked with online facility to access the e-books, journals and online databases.

MONITORING PROCESS To ensure the course outcome of the subjects, to assess the continuous evaluation (assignment, class test and seminar) and internal assessment (unit test and model exam) is carried out. Currently, the curriculum is Choice Based Credit System (CBCS). To meet the curriculum, as per the regulations, tutorial hours are essential for theory subjects. Learning process of students is tested with practical classes.

MENTORING SYSTEM Institution have well framed mentoring systems. This system enables to provide the feed back to the teachers related to curricular aspects, administrative matters and personal issues. Based on the feedback, mentors will counsel the students and also forwarded to next

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
No Data Entered/Not Applicable !!!					

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Automobile Engineering	02/07/2018
BE	Biomedical Engineering	02/07/2018
BE	Civil Engineering	02/07/2018
BE	Computer Science and Engineering	02/07/2018
BE	Electronics Communication and Engineering	02/07/2018
BE	Electrical and Electronics Engineering	02/07/2018

BE	Mechanical Engineering	02/07/2018
BTech	Biotechnology	02/07/2018
ME	Computer Science and Engineering	02/07/2018
ME	Embedded System and Technologies	02/07/2018
ME	Manufacturing Engineering	02/07/2018
ME	Power Electronics and Drives	02/07/2018
ME	VLSI Design	02/07/2018
Mtech	Biotechnology	02/07/2018
MBA	Business Administration	02/07/2018
MCA	Computer Applications	02/07/2018

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

	Certificate	Diploma Course
Number of Students	0	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
Value added course on Tekla	03/01/2019	35
Value Added Courses on Embedded Application using Arduino and PIC	07/01/2019	58
Value added course on PHP	21/01/2019	31
Value Added Course on Industrial Automation	29/01/2019	30
Value added course on vehicle onboard diagnostics	01/03/2019	41
Value added course on CAD CAM CAE	04/03/2019	17
Value added course on Advance Excel	20/02/2019	40
Value added course on CCNA	02/07/2018	30
Value added course on ASP.NET	01/08/2018	47
Value added course on Pharmacogenomics	10/09/2018	41
Value added course on Biomedical Instrumentation	17/09/2018	50

Value added course on Asp. Net	20/12/2018	27
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
ME	Computer Science and Engineering	8
ME	Embedded System and Technologies	6
ME	VLSI Design	6
ME	Manufacturing Engineering	9
ME	Power Electronics and Drives	11
Mtech	Biotechnology	14
MBA	Business Administration	51
MCA	Computer Applications	37
BE	Computer Science Engineering	20
BE	Automobile Engineering	88
BE	Biomedical Engineering	110
BE	Civil Engineering	108
BE	Electronics and Communication Engineering	188
BE	Electrical and Electronics Engineering	27
BE	Mechanical Engineering	54
BTech	Biotechnology	130
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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
Feedback obtained from various stakeholders such as Students, Teachers, Employers, Alumni and Parents through online / offline. The collected feedback is analysed by the faculty and HoD. The cumulative report will be submitted to Principal, followed by, forwarded to Governing Council for rectification. All

the report has been consolidated and discuss by the members. Based on the suggestion from Governing Council, action will be implemented in various aspects like, academic, administration, extracurricular, cocurricular etc., Based on the feedback, following are implemented for rectification • Upgraded the desktop with high resolution • Increased the internet speed • Purchased hightech instruments for Research and Development and regular laboratory classes • As per the regulation and feedback, modernized the laboratory • Enabled the smart class room with AV facility and Internet • Invite more industry persons to the campus for deliver invited lectures • Arranged more industrial visits for the students

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Automobile Engineering	60	10	10
BE	Biomedical Engineering	60	38	35
BE	Civil Engineering	60	3	3
BE	Computer Science and Engineering	60	29	27
BE	Electronics and Communication Engineering	60	17	17
BE	Electrical and Electronics Engineering	60	13	13
BE	Mechanical Engineering	60	19	19
BTech	Biotechnology	60	46	45
ME	Computer Science and Engineering	18	6	6
ME	Embedded System and Technologies	18	6	6
ME	Manufacturing Engineering	18	9	9
ME	Power Electronics and Drives	18	2	2
ME	VLSI Design	18	3	3
Mtech	Biotechnology	24	21	20
MCA	Computer Applications	60	0	0

MBA	Business Administration	60	72	60
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1125	322	101	20	21

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
148	101	6	20	20	9
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

The institute is adopted the mentoring system. It is one of the best practices in NAAC. The mentors take the feedback during the mentor period. Subsequently, take necessary action on their requirements regarding academic, administration and personal issues. Students are counsels, who are in slow learners and personal issues students. Chief mentors are consolidated the mentoring system and forwarded to the higher authority for necessary action. Dr. Sethumathavan, Psychiatrist, Karpaga Vinayaga Institute of Medical Sciences regularly visit and counsel our students for their health and stress management and fostering their resilience and tools to express and overcome grief and adversity

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1447	148	1:10

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
148	148	29	29	26

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. V. Karthikeyan	Professor	Award On Green Environment from Tamilnadu State

			Government
2018	Dr.P.Kasinatha Pandian	Principal	Charered Engineer (India)
2018	Dr.P.Kasinatha Pandian	Principal	Dr.APJ Abdul Kalam Award for Teaching Excellence
2018	Dr.P.Kasinatha Pandian	Principal	Albert Nelson Marquis Lifetime Achievement Award.
2018	Dr.P.Kasinatha Pandian	Principal	Official istee in Marquis Whos who in the world 2019
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	102	Semester	23/03/2019	22/06/2019
BE	103	Semester	23/03/2019	22/06/2019
BE	104	Semester	23/03/2019	22/06/2019
BE	105	Semester	23/03/2019	22/06/2019
BE	106	Semester	23/03/2019	22/06/2019
BE	114	Semester	23/03/2019	22/06/2019
BE	121	Semester	23/03/2019	22/06/2019
BTech	214	Semester	23/03/2019	22/06/2019
ME	405	Semester	23/03/2019	22/06/2019
ME	410	Semester	23/03/2019	22/06/2019
ME	415	Semester	23/03/2019	22/06/2019
ME	419	Semester	23/03/2019	22/06/2019
ME	431	Semester	23/03/2019	22/06/2019
Mtech	509	Semester	23/03/2019	22/06/2019
MCA	621	Semester	23/03/2019	22/06/2019
MBA	631	Semester	23/03/2019	22/06/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The college has conducted the Continuous Internal Evaluation as prescribed by the Anna University, Chennai. For internal assessment 3 assessments per semester are being conducted. The first and second internal assessment is conducted for 50 marks (which is split into Part - A (10 marks) and Part - B (40 marks)) and converted into 100 marks and third internal assessment as a model examination for 100 marks (which is split into Part - A (20 marks), Part - B (65 marks) and Part - C (15 marks)). Evaluation is a continuous process

assists to improve student quality and participation in practicals classes. Continuous Internal Evaluation is helpful for assessing the students to attainment level of the course outcome. If the students are not attain, the teaching strategy of the respective subjects can be modified.

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

The institution has prepared academic calendar as prescribed by the University. All the departments are strictly adhered to the academic calendar related to conduct of internal assessments, portion completion, submission of assignments and other curricular activities.

2.6 – Student Performance and Learning Outcomes

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

<https://www.kvcn.edu.in/departments-2/>

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
102	BE	Automobile Engineering	22	5	22.72
103	BE	Civil Engineering	44	12	27.27
104	BE	Computer Science and Engineering	25	17	68
105	BE	Electrical and Electronics Engineering	30	8	26.67
106	BE	Electronics and Communication Engineering	39	15	38.46
114	BE	Mechanical Engineering	96	29	30.21
121	BE	Biomedical Engineering	54	46	85.19
214	BTech	Biotechnology	51	40	78.43
405	ME	Computer Science and Engineering	13	10	76.92
410	ME	Manufacturing Engineering	12	6	50
415	ME	Power	16	2	12.5

		Electronics and Drives			
419	ME	VLSI Design	5	2	40
509	Mtech	Biotechnology	19	18	94.74
621	MCA	Computer Applications	37	22	59.46
631	MBA	Business Administration	57	9	15.79
431	ME	Embedded System and Technologies	7	7	100
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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.kvcn.edu.in/naac-3/>

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
Projects sponsored by the University	365	Management	1	1
Projects sponsored by the University	365	Management	1.6	1.6
Projects sponsored by the University	365	Management	0.4	0.4
Projects sponsored by the University	365	Management	0.7	0.7
Projects sponsored by the University	365	Management	0.25	0.25
Projects sponsored by the University	365	Management	1.3	1.3
Projects sponsored by the University	365	Management	0.15	0.15
Projects sponsored by the University	365	Management	0.21	0.21

Projects sponsored by the University	365	Management	0.3	0.3
Major Projects	730	ICMR	7.79	3.89
International Projects	730	U.S Common Grant Program (PADI foundation)	3.57	0
Major Projects	1095	MoES	20.51	8.85
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
One Day National Seminar on Recent Trends in Automobile Safety System	Automobile Engineering	10/08/2018
Awareness Programme on IPR/ Patent right	Biotechnology	29/08/2018
Intellectual property rights on challenges and issues	Business Administration	10/10/2018
Workshop on Patent Right and Drafting	Biotechnology	10/12/2018
National Seminar on IPR and its Emerging Trends	Biomedical Engineering	20/02/2019
Workshop cum Seminar on IPR Awareness Opportunities in Civil Engineering	Civil Engineering	22/02/2019
One day National Workshop on Additive Manufacturing Using 3d Printer With Hands On Training	Automobile Engineering	28/02/2019
Kinematics simulation and 3D photorelastic rendering	Mechanical Engineering	28/02/2019
National Seminar on IPR for Electrical drives	Electrical and Electronics Engineering	30/03/2019
Recent Trends in Castings	Mechanical Engineering	04/01/2019
IPR awareness and opportunities in Embedded systems	Electronics and Communication Engineering	12/02/2019

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
Development	Rubeshram	Texas	16/01/2019	Preliminary

of Hand assist device for paralyzed patients using wireless control		Instruments		
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	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
NA	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)
National	Computer Science and Engineering	2	0.15
International	Biomedical Engineering	1	1.35
International	Biotechnology	3	2.05
International	Civil Engineering	7	0.38
International	Electronics and Communication Engineering	2	0.15
International	Computer Applications	6	1.5

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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
Computer Applications	4
Business Administration	3
Science and Humanities	5
Mechanical Engineering	5
Electrical and Electronics Engineering	13

Electronics and Communication Engineering	20
Computer Science and Engineering	9
Civil Engineering	3
Biotechnology	8
Biomedical Engineering ³	3
Automobile Engineering	3
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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
Mapping and modelling of chlorophyll A in the water of pulicat lake	Dr.P.Kasinatha Pandian	Ecology, Environment and Conservation	2018	0	Karpaga Vinayaga College of Engineering and Technology	0
Bagasse ash as an auxiliary additive to lime stabilized expansive soil : Strength and microstructural investigation	Dr.P.Kasinatha Pandian	Advances in civil engineering	2018	6	Karpaga Vinayaga College of Engineering and Technology	6
Select geotechnical properties of a lime stabilized expansive soil amended with bagasse ash and coconut shell powder	Dr.P.Kasinatha Pandian	SSP Journal of Civil engineering	2018	0	Karpaga Vinayaga College of Engineering and Technology	0
Strength and micro	Dr.P.Kasinatha	Revista De La Cons	2018	3	Karpaga Vinayaga	3

structure of micro ceramic dust admixed lime stabilized soil	Pandian	truction			College of Engineering and Technology	
Geospatial study on pichavaram mangroves region : remote sensing and GIS approach	Dr.P.Kasinatha Pandian	International journal of applied engineering research	2018	0	Karpaga Vinayaga College of Engineering and Technology	0
Estimation and mapping chlorophyll a concentration in pulicat lagoon, south india using sentinel 2A	Dr.P.Kasinatha Pandian	Indian journal of ecology	2018	0	Karpaga Vinayaga College of Engineering and Technology	0
Valorization of crushed glass as a potential replacement for sand in cement stabilized fly ash bricks	Dr.P.Kasinatha Pandian	Civil and Environmental Engineering	2018	0	Karpaga Vinayaga College of Engineering and Technology	0
Multi Objective Partial Flexible Open Shop Scheduling Problem Using an Advance Ant Colony Optimization	Dr.D.Saravanan	Journal of Advanced Research in Dynamical Control Systems (JARDC)	2018	0	Karpaga Vinayaga College of Engineering and Technology	0
Pareto	Dr.D.Sar	Internat	2018	0	Karpaga	0

based Hybrid Multi Objective Firefly Algorithm for Flexible Open Shop Scheduling Problem (PHMOFAFOSSP)	avanan	ional Journal of Pure and Applied Mathematics (IJPAM)			Vinayaga College of Engineering and Technology	
Biobjective Firefly Algorithm for Flexible Open Shop Scheduling Problem	Dr.D.Saravanan	Journal of Advanced Research in Dynamical Control Systems (JARDC)	2018	0	Karpaga Vinayaga College of Engineering and Technology	0
Single Objective for an Integer Partial Flexible Open Shop Scheduling Problem Using Developed Ant Colony Optimization	Dr.D.Saravanan	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2018	0	Karpaga Vinayaga College of Engineering and Technology	0
Improving Cloud Platform Access by open Tag in Wide Area Network	Mrs.C.Jayapratha	Journal of Advanced Research in Dynamical and Control Systems	2018	0	Karpaga Vinayaga College of Engineering and Technology	0
Developing AN Enhanced High Speed Key Transmission Technique to Avoid Fraud Activity	Mrs.AB.HajiraBe	Indonesian Journal of Electrical engineering and computer science	2018	0	Karpaga Vinayaga College of Engineering and Technology	0

in ECommerce						
Pharmacological analysis of hydroethanolic extract of Senna alata (L.) for invitro free radical scavenging and cytotoxic activities against HepG2 cancer cell line	Dr.S.Mohanasundaram	Pakistan Journal of Pharmaceutical Sciences	2018	0	Karpaga Vinayaga College of Engineering and Technology	0
Studies on Physicochemical Analysis of Water from Different Sources	Dr. V.Karthikeyan	International Journal of Research in Pharmaceutical Sciences	2019	1	Karpaga Vinayaga College of Engineering and Technology	1
Identification of anticancer activity of phytoconstituents from mangrove	Dr. A. Sheela Devi	International Journal of Research in Pharmaceutical Sciences	2018	0	Karpaga Vinayaga College of Engineering and Technology	0
Pharmacological analysis of hydroethanolic extract of Sennaalata (L.) for in vitro free radical scavenging and cytotoxic activities against HepG2 cancer	S Mohanasundaram, V. Arokiadas, P. Meddiseetty, R. Magesh, K. Sivakumar and M. Subhathara	Pakistan Journal of Pharmaceutical Science	2018	0	Karpaga Vinayaga College of Engineering and Technology	0

cell line						
Invitro antifungal study of green synthesized silver nanoparticles from Acacia nilotica leaves extract against a plant and human pathogens	Magesh R, Sivakumar K, Karthik Eyan V, Mohanasundaram S, Subathra M, Joseph J, Venugopal K and Sasikala	International journal of research in Pharmaceutical sciences	2018	0	Karpaga Vinayaga College of Engineering and Technology	0
Wireless heart attack detection and tracking via GPS and GSM	K.S. Abbirame, V.SarveshwaranJ. Charumathi, M. Gunapriya, P. Illakiya	International Journal of Latest Technology in Engineering, Management and Applied Science	2018	0	Karpaga Vinayaga College of Engineering and Technology	0
Design of high speed low power parameter extracted on CAM architecture using 4T XOR module	A.Lavanya	International Journal of Communication System	2018	0	Karpaga Vinayaga College of Engineering and Technology	0
Design and implementation of 32 point split radix SDC algorithm	A.Manimaran	Indonesian Journal of Electrical engineering and computer science	2018	0	Karpaga Vinayaga College of Engineering and Technology	0

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Multi Objective	Dr. D. Saravanan	Journal of	2018	8	0	yes

Partial Flexible Open Shop Scheduling Problem Using an Advance Ant Colony Optimizati on		Advanced Research in Dynamical Control Systems (JARDC)				
Valoriza tion of crushed glass as a potential replacemen t for sand in cement stabilized fly ash bricks	Dr.P.Kas inatha Pandian	Civil and Enviro nmental En gineering	2018	0	0	yes
Mapping and modelling of chlorop hyll A in the water of pulicat lake	Dr.P.Kas inatha Pandian	ecology, environmen t and cons ervation	2018	11	0	yes
bagasse ash as an auxiliary additive to lime stabilized expansive soil : Strength and micros tructural investigat ion	Dr.P.Kas inatha Pandian	Advances in civil e ngineering	2018	17	6	yes
Select g eotechnica l properties of a lime stabilized expansive soil amended with bagasse ash and coconut shell	Dr.P.Kas inatha Pandian	SSP Journal of Civil engi neering	2018	0	0	yes

powder						
Strength and microstructure of micro ceramic dust admixed lime stabilized soil	Dr.P.Kasinatha Pandian	Revista De La Construction	2018	0	3	yes
Geospatial study on pichavaram mangroves region : remote sensing and GIS approach	Dr.P.Kasinatha Pandian	International journal of applied engineering research	2018	25	0	yes
Estimation and mapping chlorophyll a concentration in pulicat lagoon, south india using sentinel 2A	Dr.P.Kasinatha Pandian	indian journal of ecology	2018	3	0	yes
Pareto based Hybrid Multi Objective Firefly Algorithm for Flexible Open Shop Scheduling Problem (PHMOFAFOSSP)	Dr.D.Saravanan	International Journal of Pure and Applied Mathematics (IJPAM)	2018	25	0	yes
Biobjective Firefly Algorithm for Flexible Open Shop	Dr.D.Saravanan	Journal of Advanced Research in Dynamical Control	2018	3	0	yes

Scheduling Problem		Systems (JARDC)				
Single Objective for an Integer Partial Flexible Open Shop Scheduling Problem Using Developed Ant Colony Optimization	Dr.D.Saravanan	International Journal of Mechanical and Production Engineering Research and Development (IJMPERD)	2018	20	0	yes
Improving Cloud Platform Access by open Tag in Wide Area Network	Mrs.C.Jayapratha	Journal of Advanced Research in Dynamical and Control Systems	2018	8	0	yes
Developing AN Enhanced High Speed Key Transmission Technique to Avoid Fraud Activity in ECommerce	Mrs.AB.HajiraBe	Indonesian Journal of Electrical engineering and computer science	2018	9	0	yes
Pharmacological analysis of hydroethanolic extract of Sennaalata (L.) for in vitro free radical scavenging and cytotoxic activities against HepG2 cancer	S Mohanasundaram, V. Arokiadas, P. Meddiseetty, R. Magesh, K. Sivakumar and M. Subhathara	Pakistan Journal of Pharmaceutical Science	2018	5	0	yes

cell line						
Invitro antifungal study of green synthesized silver nanoparticles from Acacia nilotica leaves extract against a plant and human pathogens	Magesh R, Sivakumar K, Karthik Eyan V, Mohanasundaram S, Subathra M, Joseph J, Venugopal K and Sasikala	International journal of research in Pharmaceutical sciences	2018	15	0	yes
Wireless heart attack detection and tracking via GPS and GSM	K.S. Abbirame, V. Sarveshwaran, J. Charumathi, M. Gunapriya, P. Illakiya	International journal of latest technology in Engineering, Management and Applied Science	2018	0	0	yes
Design of high speed low power parameter extracted on CAM architecture using 4T XOR module	A.LAVANYA	International Journal of Communication System	2018	41	0	yes
Design and implementation of 32 point split radix SDC algorithm	A.MANIMARAN	Indonesian Journal of Electrical engineering and computer science	2018	9	0	yes
Pharmacological analysis of hydroethanolic extract of Senna alata (L.) for invitro	Dr.S.Mohanasundaram	Pakistan Journal of Pharmaceutical Sciences	2018	35	0	yes

free radical scavenging and cytotoxic activities against HepG2 cancer cell line						
Studies on Physicochemical Analysis of Water from Different Sources	Dr. V.Karthikeyan	International Journal of Research in Pharmaceutical Sciences	2019	19	1	yes
Invitro antifungal study of green synthesized silver nanoparticles from Acacia nilotica Leaves extract against a plant and human pathogens	Dr R Magesh	International Journal of Research in Pharmaceutical Sciences	2018	15	0	yes
Identification of anticancer activity of phytoconstituents from mangrove	Dr. A. Sheela Devi	International Journal of Research in Pharmaceutical Sciences	2018	3	0	yes
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	5	9	0	2
Presented papers	32	12	0	0
Resource persons	0	3	1	0
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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
Be a volunteer help others	NSS	4	10
REDUCE, REUSE, RECYCLE (RRR)	NSS	3	4
Avoid plastics	NSS	2	16
Tree plantation	NSS	2	12
Arivom tamizh	NSS	1	10
Global warming	NSS	2	16
Beach cleaning	NSS	3	20
Prosopisjuli flora (seemai karuvelam) tree removal	NSS	3	15
Awareness programme on clean india	NSS	3	10
Awareness programme on solid waste management	NSS	2	10
Awareness programme on avoid plastic	NSS	3	15
Plastic awarness chennai	NSS	3	50
Waste management	YRC	3	50
Awareness program on save energy	NSS	2	45
Awareness program on save energy	NSS	2	40
Awareness program on save energy	NSS	2	50
Awareness on save water	NSS	3	20
Project expo curriculum teaching	NSS	15	25
Career guidance program	NSS	4	5
National values on church	NSS	3	30
Dengue awareness program	YRC	3	10

Programme on health festival	YRC	7	36
Programme on green practices plastic awarress	NSS	7	35
Programme on clean india children day festival	NSS	7	35
Awarress programme on save water	NSS	7	36
Camp for eye donation	YRC	7	34
Rally on awareness of plastics and swachh bharat	NSS	2	40
Awareness programme on health	YRC	2	40
Awareness programme on optimism	NSS	2	40
Impact on social media	NSS	2	32
Unity in diversity	NSS	3	48
Awareness Program on road safety	NSS	3	40
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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
0	0	0	0
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Swachh bharat	Vandular zoo	Awarress display board regarding agriculture	2	45
Swach bharat	Villupuram district police	Plastic awareness program	10	120

Swachh bharat	Tindivanam police station	Road safety rally program	10	120
Swachh bharat	Department of police, Kanchipuram	Rally on solid waste management	4	50
Swachh bharat	Uthiramerur town panchayat	Health festival	7	36
Swachh bharat	Achirapakam panchayat	Green practices and plastic awareness	7	35
Swachh bharat	Uthiramerur municipality	Mass cleaning	2	50
Road safety	Chengalpet town traffic police station	Awareness program	2	53
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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
0	0	NA	0
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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	Internship	Thirumala milk products pvt.Ltd Plant	15/12/2018	20/12/2018	7
Internship	Internship	Jasmine foundation, perungudi	06/06/2019	18/06/2019	4
Industrial Visit	One day Visit to the Industry	VI Micro Systems, No.75, Electronics Estate, Perungudi, Chennai 600096	06/10/2018	06/10/2018	51
Inplant Training	1 week Inplant training	Neyveli Lignite Corporation	17/06/2019	21/06/2019	1

		Ltd Employee Development Centre Neyveli			
Internship	21 days internship	TANGEDCO AND TANTRANSCO Subsidiary of TNEB	03/06/2019	21/12/2019	1
Internship	14 days Internship	SICAME INDIA CONNECTORS PRIVATE Ltd	03/12/2018	14/12/2018	2
Internship	Internship	Brakes India Private Ltd Polambakkam	06/12/2018	09/12/2018	8
Placement	Placement	GEESSYS Technologies, Chennai	02/01/2019	15/02/2019	6
Internship	Internship	SNJ Breweries pvt limited	14/06/2019	22/06/2019	8
Internship	Internship	Sarva Seva Milk Plant, Pooriyam bakkam	10/06/2019	25/06/2019	5
Internship	Internship	Sarva Seva Milk Plant	11/12/2018	14/12/2018	13
Internship	Internship	CLRI, Chennai	24/04/2019	25/04/2019	1
Internship	Internship	Innovative Health Care (India)Pvt Ltd, Chinna Kolambakkam	10/06/2018	25/06/2018	16
Internship	Internship	Pasteur Institute Of Coonor	11/06/2018	14/06/2018	16
Internship	Internship	Innovative Health Care (India)Pvt Ltd, Chinna Kolambakkam	24/05/2019	01/06/2019	17
Internship	Internship	Sarva Seva Dairy Federation	04/06/2019	29/06/2019	14
Industrial Visit	Industrial Visit	OfERR	11/03/2019	11/03/2019	51
Industrial Visit	Industrial Visit	IIFPT ,Thanjavur	31/08/2019	31/08/2019	50

Industrial Visit	Industrial Visit	SNJ Breweries Pvt.ltd, Mampattu	14/03/2019	14/03/2019	49
Inplant Training	6 days Inplant training	Ultraserve Systems, Chennai	11/06/2018	16/06/2018	8
Inplant Training	7 days Inplant Training	Biochiptronics Technol ogies, Melmaruvathur	08/06/2018	14/06/2018	4
Internship	7 days Internship	Adroit Solutions, Chennai	25/06/2018	01/07/2018	4
Inplant Training	5 days Hospital Training	Venkateswara Hospitals, Nandanam, Chennai	12/06/2018	18/06/2018	2
Internship	10 days Internship	Asia Medical Systems, Salem	29/05/2018	07/06/2018	6
Internship	7 days Internship in Biomedical Department	Billroth Hospitals, Chennai	19/06/2018	25/06/2018	3
Internship	6 days Internship	Vi Microsystems Pvt. Ltd., Chennai	22/06/2018	27/06/2018	3
Internship	6 days Internship in Biomedical Department	Billroth Hospitals, Chennai	23/06/2018	28/06/2018	5
Inplant Training	3 days Inplant training in the Department of Biomedical Engineering	Sri Durga Surgical Clinic and Research Center, Pudukottai	26/06/2018	28/06/2018	4
Internship	13 days Internship	Erbe Medical India Pvt. Ltd. , Nandhambakkam, Chennai	11/12/2018	23/12/2018	6
Internship	5 days Internship	Kaashiv Infotech,	18/06/2018	22/06/2018	2

		Annagar, Chennai			
Internship	5 days Internship	Kaashiv Infotech, Annagar, Chennai	04/06/2018	08/06/2018	2
Internship	5 days Internship	Kaashiv Infotech, Annagar, Chennai	19/06/2018	23/06/2018	1
Internship	5 days Internship	Kaashiv Infotech, Annagar, Chennai	12/06/2018	16/06/2018	1
Inplant Training	6 days Inplant Training	Medway Hospitals, Kodambakkam	25/06/2018	30/06/2018	1
Internship	12 days Internship in the Department of Biomedical Engineering	Sparsh Hospitals, Bangalore	15/06/2018	26/06/2018	1
Inplant Training	5 days Inplant Training	Madras Atomic Power Station,	04/06/2018	08/06/2018	1
Inplant Training	6 days Inplant Training	Medway Hospitals, Kodambakkam	11/06/2018	16/06/2018	1
Internship	10 days Internship in the Department of Biomedical Engineering	Noorulislam Institute of Medical Science and Research Foundation, Thiruvananth apuram, Kerala	04/06/2018	15/06/2018	1
Internship	3 days Internship	Govt. Stanley Hospital	27/06/2018	29/06/2018	1
Inplant Training	5 days Inplant Training	Star Techn ologies, T. Nagar, Chennai	06/06/2018	12/06/2018	1
Inplant Training	6 days Inplant Training on Hospital Equipments	Division of Telemedicine and Biomedical Engineering,	07/06/2018	12/06/2018	11

		Raja Muthaiah Medical College and Hospital, Chidambaram			
Inplant Training	5 days Hospital Training	Venkateswara Hospitals, Nandanam, Chennai	19/06/2018	23/06/2018	3
Internship	5 days Internship in Real Time Concepts of Embedded and Robotics using Arduino	Polenza Technologies Pvt Ltd, Chengalpet	03/12/2018	07/12/2018	8
Inplant Training	6 days Inplant Training	Medway Hospitals, Kodambakkam	10/12/2018	15/12/2018	4
Inplant Training	4 days Inplant Training	Uniq Technologies, T. Nagar, Chennai	03/12/2018	06/12/2018	3
Internship	Internship in Real Time Concepts of Embedded and Robotics using Arduino	Polenza Technologies Pvt Ltd, Chengalpet	10/12/2018	15/12/2018	7
Industrial Visit	One day Visit to the Industry	Biometric cables, Guindy, Chennai	29/01/2019	29/01/2019	54
Industrial Visit	One day Visit to the Industry	Biovision Pvt ltd., New No 103 (old No.45), 1st floor, St Marys Rd, Abhiramapuram, Chennai, 600018	12/09/2019	12/09/2019	55
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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
Axis global	25/03/2019	Research	23

automation		work, student project, Intership training and IV	
Reem Engineering Enterprises, Chennai	12/11/2019	Research work, student project, Intership training and IV	56
Retech Technology	03/05/2018	Seminar Workshops	95
Kalam Institute Of Health Technology	03/07/2018	Guest Lectures, Seminars, Workshops and Placement	6
Pharma fabrikon Pvt.ltd ,	13/03/2018	Research work, Value added course Industrial Visit , InPlant Training and Placement	8
IDesign Technologies Pvt ltd	13/03/2018	Value Added courses, Industrial visit and InPlant training	50
Indo American Hybrid Seeds (India) Pvt. Ltd	15/07/2018	Research work, Value added course Industrial Visit , InPlant Training and Placement	1
Aqua engineers and consultant India Pvt.ltd	17/12/2018	Research work, Value added course Industrial Visit , InPlant Training and Placement4	4
Golden Jubilee Biotech Park For Women Society	20/08/2018	Research work, Value added course Industrial Visit and InPlant Training	8
Sharpsys Software Solutions India Pvt Ltd.	04/01/2018	Research work, Value added course Industrial Visit and InPlant Training	4
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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
105	110.26

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing

Value of the equipment purchased during the year (rs. in lakhs)	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
AutoLib Library Automation Management Software multiuser LAN MSSQL	Fully	5.1	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	37984	7596800	421	84200	38405	7681000
Reference Books	7560	2268000	220	66000	7780	2334000
e-Books	15321	13570	0	0	15321	13570
e-Journals	1840	1752631	763	13570	2603	1766201
Journals	739	1290683	0	0	739	1290683
Digital Database	4	13570	0	0	4	13570
CD & Video	1090	218000	20	4000	1110	222000
Library Automation	1	94224	0	0	1	94224
Weeding (hard & soft)	1920	122450	212	19360	2132	141810
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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
No Data Entered/Not Applicable !!!			

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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 (MBPS/GBPS)	Others
Existing	560	405	30	30	60	8	21	64	6
Added	0	0	0	0	0	0	0	0	0
Total	560	405	30	30	60	8	21	64	6

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
No Data Entered/Not Applicable !!!	

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
90	95.01	7	6.82

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 Policy Physical and Academic support facilities ? The institute is having one Campus Maintenance Engineer, to take care of the maintenance of the infrastructure facilities of the institute, buildings for academic, workshop, hostels, quarters, playgrounds, gymnasium, RO plant and water coolers, Rain water harvesting, auditorium and seminar halls Electrician and Technicians, to take care of campus lighting, lift service, air conditioners, Genset, Solar Plant Gardener, to take care of trees, gardens and plant saplings Plumber for plumbing works and housekeeping staff for periodical cleaning of rest rooms, cleaning of classrooms, halls, laboratories and verandahs. ? Library is maintained by the team of staff. Stock verification is carried out every year. Purchase and utilization are done by the librarian and racks are maintained by the library assistant and cleaning is maintained by the supporting staff. ? Carpentry and welding works are taken care on contract basis for repair of furniture in the Classrooms, Laboratories and Office every semester of the academic year. ? The Computers, Printers, UPS and LCD Projectors are maintained by the campus service personnel and on AMC by external agencies during the academic year. Internet services are installed in the campus by Airtel, service provider and are maintained by technicians. System Administrator maintains the Server room with appropriate softwares. Website is maintained by the external agency coordinated with faculty incharge. ? The laboratory equipments are maintained by the external service personnel, every semester on requirement. ? The transport vehicles are well maintained by

the Mechanic appointed in the workshop and fitness certificate is obtained from RTO for ensuring safety. A separate transport in charge is appointed to look after day to day affairs ? Campus security is maintained by the Security Officer along with security personnel to ensure the safety of the campus and CCTV cameras are installed in the buildings for surveillance. Fire extinguishers are installed for the safety purpose. Utilizing Policy ? The built up infrastructure is used effectively for academic activities such as classrooms, workshop, laboratories, library, seminar halls, tutorial rooms, drawing halls etc. ? Computers with internet facilities are being utilized by the academic staff, administrative staff and students. ? Student stakeholders utilize the facilities of playgrounds for extracurricular activities, NSS, YRC and Outreach activities as cocurricular activities. ? As a Social Responsibility, the institution support the Government departments and organizations for their programmes such as training, workshops, etc without affecting regular academic sessions. ? The institution extends its infrastructure during vacation to the government departments such as Postal department, Education department, Revenue department etc., for conducting training programme for their staff. The institution extends support to TNPSC and other Government bodies to conduct their public examinations during holidays

<https://www.kvcn.edu.in/naac-3/>

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	Management Scheme	8	340000
Financial Support from Other Sources			
a) National	BC/MBC/SC/ST	974	21596915
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
Mentoring	02/07/2018	1123	Mentors of respective department
Personal Counseling	11/02/2019	15	Dr. Sethuraman , Karpaga Vinayaga Institute of Medical Sciences
Yoga	21/06/2018	150	Dr. Saravanan, HoD of MCA/ UGC
Bridge courses	17/08/2018	169	Faculty member of SH, KVCET
Language lab	02/07/2019	309	Ms. K. Sharmila Jane, English Department

Remedial Classes	02/07/2018	255	Faculty members of respective department
Soft skill development	02/07/2018	1123	Training and Placement Cell, KVCET
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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
No Data Entered/Not Applicable !!!					
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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
1	1	7

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
Visionary RCM, Sutherland and Global Services, Redmarbles, Sutherland, T SMT, Yamaha, Taiwan Surface Mounting Technology, Geesys Technology (INDIA) pvt. Ltd, Global Management Solution, JBM Auto Systems Private Limited, SNJ Distillers	826	226	EPISOURCE, PENTAGON MEDICAL SYSTEMS, SUNSHINE BIOMEDICAL SOLUTIONS, SHREE IMAGING TECHNOLOGIES, APPASAMY ASSOCIATES, ULTRASERVE SYSTEMS, INFINITY MEDICARE PVT. LTD., MEDIOTEK HEALTH SYSTEMS, FIRST SOURCE SOLUTIONS, BIONATRIUM	215	78

Pvt Ltd, Rane			MEDICAL CARE PVT LTD, C	
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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	Computer Applications	Computer Applications	Bharth University	MPhil
2019	1	Mechanical Engineering	Mechanical Engineering	Karpaga Vinayaga College of Engineering and Technology	ME
2019	1	Biotechnol ogy	Biotechnol ogy	Cape Breton University, Canada	MS
2019	5	Biotechnol ogy	Biotechnol ogy	Karpaga Vinayaga College of Engineering and Technology	MTech
2019	1	Biomedical Engineering	Biomedical Engineering	Panimalar College of Engineering	MBA

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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
GMAT	1
Any Other	3
Any Other	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
Paper presentations	Institutional Level	89
Essay writing	Institutional Level	356
Rangoli	Institutional Level	168
Drawing	Institutional Level	254
Just a minute	Institutional Level	56
Extempore	Institutional Level	12
Debate	Institutional Level	36

Club activities	Institutional Level	145
AdZap	Institutional Level	24
Quiz	Institutional Level	12
Variety events	Institutional Level	54
Singing	Institutional Level	10
Short film	Institutional Level	8
Mime	Institutional Level	40
Music Western Classical	Institutional Level	18
Western dance	Institutional Level	32
Classical dance	Institutional Level	4
Folk dance	Institutional Level	18
Skit	Institutional Level	40
AU Zonal level Table Tennis (Men)	Inter Zonal Level	4
AU Zonal level Ball Badminton (Men) Tournament	Inter Zonal Level	15
Kho - Kho	Intramural Level	60
Kabaddi	Intramural Level	60
Chess	Intramural Level	24
Table Tennis	Intramural Level	24
Carrom	Intramural Level	24
Shuttle Badminton	Intramural Level	24
Tennis	Intramural Level	12
Track events	Intramural Level	145
Ball badminton	Intramural Level	80
Hand ball	Intramural Level	60
Throw ball	Intramural Level	60
Cricket	Intramural Level	80
Foot ball	Intramural Level	72
Volley Ball	Intramural Level	120
Hockey	Intramural Level	72
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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
No Data Entered/Not Applicable !!!						
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The institution has constituted student council and various committees with student volunteer as active members. Student Council The Student Council of our Institution is constituted in the year 201516. It provides students with opportunities to engage in cultural, educational, social and recreational activities, which are an integral part of the livinglearning community of KV CET. Students develop their talents and abilities in leadership and teamwork through their participation. The Student President, Vice President and Secretary are members of IQAC. The Student Council is responsible for all student activities. They are communicating between the Principal, faculty and the student body as a whole. The Student President, Vice President and Secretary are frequently contact the Principal to evaluate the plan of student and Society activities in college.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

- Institution has a registered the Alumni Association (Reg. No. 101/2017) with office bearers for the smooth functioning.
- Every year Alumni meet is conducted in the college premises and the office bearers of the association are elected.
- Guest lectures and workshops are conducted with Alumni as resource persons.
- Inplant training Placement assistance are provided by our alumni.
- Feedback from the alumni was considered for new courses introduction and other curricular enrichment activities.

5.4.2 – No. of enrolled Alumni:

371

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

185500

5.4.4 – Meetings/activities organized by Alumni Association :

10 alumni meetings were organized by the department and institution. Alumni have assisted the placement and arrangement of industrial visit and inplant training

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)

1. Peer group project students and faculty members are involved in innovative projects implementation
2. ED cell activities students and faculty members are actively involved in ED activities, awareness programmes, to encourage students to become entrepreneurs.

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

No

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 developed by the Anna University, Chennai. If any suggestions, queries received from stakeholders, it will be forwarded to the affiliating university through proper channel.
Teaching and Learning	Curriculum delivery is implemented in the class room through black board, AV aids, demonstration methods and participative learning methods. Apart from this regular mode of teaching, conducted guest lectures, seminars, conferences, workshops, value added course and industrial visits for learning the current trends of the subjects. Peer group projects and mini projects are encouraged to learn the subjects in practical approach.
Examination and Evaluation	Throughout the year class tests were conducted and evaluated immediately and in the subsequent week scrutinizing the paper by the committee. As per the academic calendar Continuous Internal Assessment and Model Examination were conducted. These examinations conducted at the end of every semester will give confidence to the students to face the University Examinations. The results were published in the notice board and also intimate to the parents through letter. As per the University norms, 20 marks are awarded as internal marks and remaining 80 marks are awarded external marks both theory and practical.
Research and Development	Research and Development Cell regularly organizes the meeting regarding conduct of research by the faculty and students. The cell is also insisting faculty to apply proposal for funding support to conduct research and outreach activities by faculty and students. The institution is also providing seed money for conduct the research work based on the merits of the research problem.
Library, ICT and Physical Infrastructure / Instrumentation	The institute has sufficient class rooms enabled with ICT facilities. All the students can access the desktop with internet facility to learn the online courses (Eg. NPTEL) during evening hours and also provide the facility in the hostels. The library is regularly updated with the text books, reference books, magazines, journals and news papers. ejournals and ebooks can be accessed through DELNET.

Human Resource Management	The institute is monitoring the teaching and non teaching staff strength of these responsibilities. The strength of the faculty are maintained as per the norms of the statutory body. Every academic year the appraisal is carried out for all the faculty based on their academic performance of the previous academic year. Junior Research Fellow and Senior Research Fellow are recruited for the Projects as per norms. Administrative and clerical staffs are recruited to the concerned departments and all are governed by the services values of the institution.
Industry Interaction / Collaboration	The institute has signed more than 40 MoUs for exchange of work, consultation, guest lectures, industrial visit etc.,
Admission of Students	The institute has admitted the students as per the State Government norms. 65 of students are filled by single window system and 35 students are filled by institution. Institution is admitting the students who fulfill the minimum criteria of the prescribed norms specified by the government

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

E-governance area	Details
Examination	All the students detail are uploaded in the Web portal. Assessment and attendance details are uploaded periodically. Hall tickets and university attendance are generated through online. Absentees of practical and theory examination are updated immediately after 30 minutes after commencement of examination. Results are published through online

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	Ms. Shree Rama	National Conference on Future Trends in Marine Biotechnology	NA	3500
2018	Ms. Shree Rama	Two days National level	NA	1500

		workshsop on Intellectual Property rights and art of writing funding proposals and journal articles		
2018	Mr. K. Prakash	Fundamentals of Machine learning for image processing using MATLAB and PYTHON	NA	1300
2018	Dr. K. Jayaprakash	International Conference CRTMMT	NA	1500
2018	Dr.V.Karthikeyan	National Conference Personalized medicine nutrition An insight	NA	1000
2018	Mr. R. Magesh	National Conference Personalized medicine nutrition An insight	NA	1000
2018	Dr.S.Mohanasundaram	International Conference CRTMMT	NA	1500
2018	Dr.S.Mohanasundaram	National Conf Biochemistry Therapeutics of Diabetes cancer treatment challenges	NA	1000
2018	A. Sheela Devi	International Conference CRTMMT	NA	1500
2018	Dr.K. Jayaprakash	National Conf Biochemistry Therapeutics of Diabetes cancer treatment challenges	NA	1000
2018	Ms.R.Priyavarsini	Recent Trends in Civil Engineering	NA	1000
2018	Mrs.S.R.Lavanya	Recent Trends in Civil Engineering	NA	1000

2018	Mr.P.Vinothkumar	International Conference on Innovations in Power and Advanced Computing Technologies (iPACT2019)	NA	5000
2018	Mrs. S. Bellarose	International Conference on Advances In Power Engineering And Control Technology - APECT	NA	5000
2018	T.Perarasi	Emerging trends in electronics, instrumentation, automation and control	NA	5000
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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	Four days Faculty Development Training Programme on "OBT552 Basics of Bioinformatics"	Nil	18/12/2018	21/12/2018	25	0
2018	Workshop on Advance Biotechnological tools and its Applications	Workshop on Advance Biotechnological tools and its Applications	10/12/2019	12/12/2019	20	3
2019	Workshop on Scope of Genomics and	Nil	17/06/2019	19/06/2019	20	0

	Proteomics in Biological Research					
2018	Short term Training on Biological Instruments	Short term Training on Biological Instruments	19/11/2019	21/11/2019	8	3
2018	Faculty Development Programme on CE8491 Soil Mechanics	Nil	13/12/2018	15/12/2018	20	0
2018	SIX DAYS FDTP ON OM D551Basics of Biomedical Instrumentation	Nil	17/12/2018	22/12/2018	18	0
2019	SIX DAYS FDTP ON EE 8402Transmission and Distribution	Nil	10/06/2019	15/06/2019	20	0
2018	Faculty Development Training Programme on digital electronics	Nil	18/06/2018	20/06/2018	25	0
2018	Workshop on Networking for Technical Staff	Nil	07/05/2018	11/05/2018	0	12
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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
Four days Faculty Development	9	17/12/2018	22/12/2018	7

Training Programme on "OBT552 Basics of Bioinformatics"				
Fundamentals of Machine learning of image processing using MATLAB and PYTHON	8	20/08/2018	25/08/2018	7
FDP on Methodologies and Practices for Profitable Research and through Patents IPR	7	10/12/2018	14/12/2018	5
Six Days FDTP on EE 8501- Power System Analysis	4	21/05/2018	26/05/2018	6
Six Days FDTP on EE8551 Microprocessors Microcontrollers	5	18/06/2018	23/06/2018	6
Two Week FDP on EE8402 Transmission and Distribution	4	03/12/2018	15/12/2018	14
EE6009 Power Electronics for Renewable Energy systems	4	26/11/2018	02/12/2019	8
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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	29	0	4

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
EPF, Maternity Leave, Free Transportation, Marriage Leave, Sponsorship for cocurricular activities, Sponsorship for Higher Education, Family	EPF, Maternity Leave, Free Transportation, Marriage Leave, Sponsorship for Higher Education, Family Quarters, Admission Facility for wards, Group	Group Insurance, Scholarships, Financial Assistance for Students Exchange Programme

Quarters, Admission Facility for wards, Group Insurance, Free Bachelor Accommodation	Insurance, Free Bachelor Accommodation, Free Lunch
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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 is conducts regular internal and external financial audits. ? The accounts department is internally carried out internal audit of daily transactions done. ? The annual audit is carried out by the chartered accountant. ? The income tax returns, professional taxes, institutional taxes and other taxes are being remitted by the Finance Officer. ? Institutional expenditures are met out for the tuition fee collected from the students

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
NIL	0	0
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6.4.3 – Total corpus fund generated

0

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	No	Null	Yes	Principal
Administrative	Yes	NP Ananthakumar, Chartered Accountant	Yes	Administrative Officer

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

NA

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

Quality improvement programme for supporting staff was conducted 3 days programmes for supporting staff on personality and overall development One day professional development program for supporting staff

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

MSME Incubation centre initiatives taken to register IIPC Revival of IIPC activities involving more industry personnel NIRF Steps are taken to apply for NIRF ranking

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	No

d)NBA or any other quality audit

No

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	Outreach Programmes	29/06/2018	20/08/2018	28/09/2018	1100
2018	PMKVYTI Programme	29/06/2018	29/09/2018	31/12/2019	250
2018	Mini Projects	29/06/2018	21/11/2018	21/01/2019	350
2018	EDC	19/12/2018	25/12/2018	23/03/2019	650
2018	Initiative for New Research Projects	29/06/2018	15/11/2018	14/02/2019	10
2018	Incubation Centre	19/12/2018	01/04/2019	10/04/2019	25

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES**7.1 – Institutional Values and Social Responsibilities**

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Drawing competition on women rights	20/07/2018	20/07/2018	30	5
Violence against women in domesticity and in the external world	20/08/2018	20/08/2018	50	8
Special lecture on the prevailing health issues of women today	29/09/2018	29/09/2018	80	3
Rally on the importance of women education	08/03/2019	08/03/2019	150	10

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

36.4

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
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Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Rest Rooms	Yes	1
Scribes for examination	Yes	1

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	22/11/2018	6	Organic Farming	Production of Bio Fertilizer	100
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Human Values Time Management	08/12/2018	Case studies and Activity based on Human Values are given. Students are advised to conduct the activities in the classes and advised to complete the case studies.
Human Values Speech	05/12/2018	It is advised to maintain continuity in subsequent semesters. It is suggested that at the start of the subsequent semesters, three days be set aside for full days of activities related to follow up. Faculties are advised to conduct the activities in the classes and advised to show inspiring movies.
Human Values Rally	08/09/2018	It is advised to maintain continuity in subsequent semesters. It is suggested that at the start of the subsequent semesters, three days be set aside for full days of activities related to follow up. Faculties are advised to conduct the

		activities in the classes and advised to arrange collective art work and cultural programme.
Speech on fundamental rights	12/09/2018	Faculties are advised to conduct the activities in the classes and advised to organize lectures by eminent people
Human Values Speech	31/01/2019	Faculties are advised to conduct the activities in the classes and advised to organize various competitions like speech and essay writing.
Motivational Speech	19/12/2018	Case studies and Activity based on Human Values are given. Students are advised to conduct the activities in the classes and advised to complete the case studies.
Motivational Speech	29/12/2018	Faculties are advised to conduct the activities in the classes and advised to organize lectures by eminent people
Road Safety Rally	09/01/2018	Faculties are advised to conduct the activities in the classes and advised to organize various competitions like speech ,Drawing and essay writing.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Ramzan	13/06/2018	13/06/2019	88
Parents Day	20/07/2018	20/07/2018	520
Independence Day (My India)	15/08/2018	15/08/2018	720
Teachers Day	05/09/2018	05/09/2018	230
Vinayagar Chaturthi	12/09/2018	12/09/2018	220
Golu	04/10/2018	04/10/2018	320
World Food Day	16/10/2018	16/10/2018	74
Diwali	12/11/2018	12/11/2018	550
Christmas	24/12/2018	24/12/2018	170

New Year	31/12/2018	31/12/2019	620
Pongal Celebration	11/01/2019	11/01/2019	850
Republic Day	26/01/2019	26/01/2019	380
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Tree Plantation Program
Plastic usage is prohibited
Solar Power installed
Encouraged the students to use bicycles with GPS provided
Rainwater Harvesting structures are constructed in the campus
Initiatives for solid waste management is implemented

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice I Title of the Practice Peer Group activities - Promoting innovative and novel ideas to live projects Objectives of the Practice • To create innovative thinking for design and development • To achieve ideas and design into prototype product by the students to build confidence in them • To inculcate research attitude among students The Context Contextual Features/ challenging issues to be addressed • The features of Peer Group activities are ? Literature survey ? Identification of product and related work done ? Innovation, novelty and originality ? Design and fabrication of prototype model ? Product development ? Realtime implementation and application ? Patent and copyright One of the challenging issues is to find sufficient time for the project during academic activities The Practice • The potential faculty member identifies the interested students for the Peer Group, comprising of students of IV, III, II year UG and a PG in their discipline of Engineering / Technology. • The area of interest and in turn title of the project with budget involved is presented to the evaluation committee. • The committee approves the project based on novelty, innovation, quality, viability application oriented and stipulated time of completion. • After approval, Peer group students will carry out design, fabrication, testing and develop a prototype working model. • The Peer Groups present their work in a phased manner to the committee for suggestions and improvements to be incorporated. • The committee will review and evaluate periodically the progress made for the successful implementation of the project. • The completed projects will be demonstrated by all the Peer Groups and by merit, awards will be presented to the best 3 projects with the cash prize. • Uniqueness in this practice is that the projects are carried out, apart from the prescribed curriculum by the affiliating University, in the stipulated time. Evidence of Success • During the course of implementation of the projects, the peer groups exhibit skills of communication, working effectively as a team, engaging them in selfevaluation and reflection, bringing out graphical visual representation and exercising creative and intuitive instincts. • All the students get adequate knowledge and skills as a platform for doing their final year projects (curriculum based) effectively. • Based on the peer group projects, the students of automobile engineering have developed solar powered bike, solar powered car and self balancing bike and won awards in National Level competitions during the year 201516, 201516, 201617 respectively. • As an innovative activity mini heater has been designed and fabricated by Student of ECE in the year 201213 and won Limca award. • The Department of Biomedical Engineering students developed sweat based glucometer.

Problems Encountered and Resources Required The Peer Group students are hard pressed with limited time to complete their Peer Group project apart from the time schedule on assessments and University examinations as a part of their curriculum study as prescribed by the affiliating University. In certain cases, financial constraints are encountered by the students to meet out expenses on projects. Best Practice II Title of the Practice Students Mentoring System - The major objective of the mentoring is to facilitate the academic, Emotional, Social and cognitive development of the students to empower them in their learning and personal development. Objectives of the Practice • To facilitate academic, social and cognitive development of the students to empower them in their learning and personal development • To make students emotionally stable in sensitive situations • To promote clarity in thinking and decision making among students The Context Contextual Features/ challenging issues to be addressed • The features of students mentoring activities are • Collection of student's personal details • Identification of issues for a particular student • Counseling and suggestions • Parent - mentor interactions • Psychosocial counseling, if needed • Remedial suggestions regular observations for further improvement One of the challenging issues is to counsel student from the very poor economic background from drop out. The Practice Academic counseling • 15 20 students are assigned with each mentor and are counseled on academic issues during the mentor hour as scheduled. • Their doubts are cleared and encouraged to solve many Question Banks Personal Counseling • Student counselor meets the students and parents on personal issues and resolves them. • Sensitive cases are referred to Chief Mentor, Gender Issue Cell/ Women Empowerment Cell for further counselling. Career Counseling • Mentors counsel students on career guidance, industrial needs, opportunities available, management and professional ethics, Entrepreneurship, etc. Psychosocial Counseling • Dr. Sethumathavan from Karpaga Vinayaga Institute of Medical Sciences, regularly visit and counsel our students for their health and stress management and fostering their resilience and tools to express and overcome grief and adversity. • Very sensitive cases are informed to their parents for remedial measures. • Counseling will be given on all working days. Parents can meet counselor with the prior appointment during all working days. Evidence of Success • Improvements in performance in the daily test, internal assessments, Model and University examinations are evidence of the success of student's involvement in the regular learning process. • The regularity to college, involvement in cocurricular activities and committed towards the academic work and discipline of the students after counseling is the evidence of their positive behavioral changes. Problems Encountered and Resources Required • The students have limited time to interact with their mentor apart from the time schedule on the timetable. • Inadequate availability of time for faculty members to aid students' community as mentor beyond college hours.

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

<https://www.kvcn.edu.in/naac-3/>

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

The Human values and social responsibilities are inculcated among the students for socioeconomic transformation. Inculcation of Human values with Social Responsibility - The major objectives of this practice is to create awareness and educate needy people of nearby downtrodden community on personal health and environment, nutrition and hygiene, energy resources management. Goals To create awareness on personal health and nutrition among school children and youth of the nearby villages To create awareness on hazards of chemicals and

fertilizers and the uses of organic farming among farming community To create awareness among people of the adopted village about Swachh Bharat, Save Electricity, Water Conservation, Swachh Pakhwada, etc. Key activities Organizing Medical/Dental camps in nearby villages regularly Conduct of Awareness Rallies in nearby townships and villages Conduct of NSS camps for community development KVCET - MTU Enterprise programmes Conduct of blood donation camps in collaboration with Rotary / Lions club Yearly training programme on organic farming for farmers Medical / Dental Camps Every year, medical and dental camps are organized in the adopted village in association with Karpaga Vinayaga Institute of Medical Sciences Karpaga Vinayaga Institute of Dental Sciences to create awareness on personal health among rural community. Organizing blood donation camps in collaboration with Lions / Rotary clubs. Awareness rallies The institution is regularly organizing awareness rallies on Swachh Bharath, Swachh Pakhwada, Road Safety, Right to Vote, Save Electricity, Avoid Plastics, Water Conservation, Green Environment, Dengue fever in nearby Townships and villages. NSS / YRC activities In the adopted village, NSS volunteers are involved in creating awareness on personal health, clean green environment. The campus of the Govt. school and Temples are cleaned by the volunteers during the camp. YRC periodically organizes Awareness programmes on Road Safety, Traffic Rules, Blood donation, Literacy, etc. KVCET - MTU Enterprise programme KVCET - MTU Enterprise is an initiative of our institution through the MoU signed with Michigan Technological University, USA for mutual exchange of students. Through this programme, the students of MTU, USA adopt a village and involved in research and welfare activities related to environmental management and green environment along with our students. Students have developed a natural water purification system for the people in the adopted village Kunnangkulathur of Vaiyavoor Panchayat, Kanchipuram Dist. Training Programme for farmers' community Every year, the institution is organizing special training programme for the nearby farming community and creating awareness on Organic farming and their advantages and the ill effects of chemicals, fertilizers and pesticides. Outcome Barriers The continuous support and active cooperation extended by the local community for these programmes are the evidence of our success. Increase in the number of students involved, water purification system developed by our students and the response of the local community are evidence of our success. The institution is keenly looking to have MoU with NGOs whoever is actively interested and involved in community welfare activities. Inadequate availability of time to utilize our college students actively for these programmes during heir regular academic activities.

Provide the weblink of the institution

<https://www.kvcn.edu.in/naac-3/>

8.Future Plans of Actions for Next Academic Year

Academics The institution is committed to academic excellence and it is planned to improve further the academic standards in the forthcoming year. Plans are (i) to improve the pass percentage in both undergraduate and post graduate programmes, (ii) to offer more number of value added courses especially in the areas of emerging technologies such as artificial intelligence, machine learning, Big data analytics, Internet of Things, 3D Printing, renewable energy, etc. The institution is planned to apply for NBA accreditation for more number of programmes. **Research** It is planned to encourage students and faculty members to work on innovative areas under Peer group projects by providing seed money for the meritorious projects. To encourage faculty and scholars to submit maximum number of project proposals to get funding from government agencies. It is planned to encourage faculty to publish more number of research papers in scopus indexed/ UGC listed journals to improve the hindex of the institution. **Entrepreneurship** The institution is decided to further strengthen the

Entrepreneurship Development activities by (i) promoting more number activities among students such as awareness programmes, trainings, etc, (ii) to obtain grant from EDII, Ahmedabad for various activities to encourage students to become Entrepreneurs. Similarly, more number of activities are planned under MSMEIncubation Centre and students will be encouraged and supported to submit more number of innovative ideas to get financial support. The institution is planned to produce more patents through innovative projects.