



## Yearly Status Report - 2017-2018

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		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



IQAC		
Outreach Programmes	26-Aug-2017 1	1200
Mini Projects	03-Jul-2017 240	132
EDCc	12-Sep-2017 3	100
Initiative for New Research Projects	05-Jan-2018 1080	2

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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	Seminar Workshop	DBT	2018 3	50000
Biomedical Engineering	Conference	ICMR	2018 2	50000
Biomedical Engineering	Conference	BRNS	2018 2	100000
Biomedical Engineering	Research Project	MoES	2018 1095	851000
Biotechnology	Entrepreneurship	DST-NIMAT	2018 15	250000
Biotechnology	Popular Lecture Series	DBT	2018 3	170000
Biotechnology	Student Project	TNSCST	2017 180	10000
Biotechnology	Student Project	TNSCST	2017 180	10000
ECE	Seminar	AICTE	2017 2	100000

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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 :**

1

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	<a href="#">View Uploaded File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	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 programm

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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<b>14. Whether AQAR was placed before statutory body ?</b>	Yes				
<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Name of Statutory Body</th> <th style="width: 50%;">Meeting Date</th> </tr> </thead> <tbody> <tr> <td>Governing Council</td> <td>04-Dec-2017</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Governing Council	04-Dec-2017
Name of Statutory Body	Meeting Date				
Governing Council	04-Dec-2017				
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No				
<b>16. Whether institutional data submitted to AISHE:</b>	Yes				
Year of Submission	2017				
Date of Submission	20-Dec-2017				
<b>17. Does the Institution have Management Information System ?</b>	No				

### 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 from 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. Apart from the traditional teaching-learning methods of white board and lecturing method, our college lays great emphasis on curriculum delivery through practical learning. An academic calendar is prepared in advance and published in the college website and circulated to all stake holders. Each department invites industry experts to deliver guest lectures in their respective field of work. This enables the students to get an insight into the real world. The students are encouraged to undertake mini projects and internships to supplement learning. The students are encouraged to research on topics within the curriculum as well as on crosscutting issues and present research papers or presentations with recommendations to solutions. The curriculum is enhanced through conduct of projects and field trips (Industrial Visits) giving insights beyond the syllabus. The college arranges an array of co-curricular activities to enrich the curriculum. All classrooms are ICT equipped and Wi-Fi enabled. This

provides for interactive classroom learning. The college also has a multimedia library and subscribes to numerous journals so that both students and Professors can keep abreast of changing trends in their respective subjects. We also subscribe to E-journals, INFLIBNET. A record of the students using the numerous library facilities is maintained by the Librarian. To ensure effective curriculum delivery, every faculty member must submit a syllabus teaching plan (Lesson Plan) to the Principal duly verified by the HoD at the beginning of each semester. The HoD conducts regular meetings with all faculty members to ensure that the plans are being implemented. The Principal conducts the HoD's meeting every week to ensure that the plans are being implemented. Class Committee meetings, comprising the student's representatives and faculty members teaching that particular class, are conducted thrice in a semester and their feedback on academic and other aspects are collected and issues are addressed immediately to ensure that the teaching learning process is going effectively. The responses gathered via the student feedback survey helps us to identify areas of improvement in curriculum delivery and facilities. The progress of the students is maintained through regular internal assessment tests and semester end exams. Remedial classes, bridge lectures and tutorials are conducted for the slow learners. The college also focuses on providing certificate courses to the students to enhance the overall development of the students.

**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 Audit Committee (AAA) 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 (Internal Assessment tests and model exam) is carried out. Currently, the curriculum is Choice Based Credit System (CBCS).

**MENTORING SYSTEM:** Institution have well framed mentoring systems. This system enables to provide the feedback 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 level of authority. Academic Mentoring helps students

to: • navigate more successfully into college. • Define educational goals and make full use of campus and community resources during college. • Identify and prepare for broader educational and/or career options after college.

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
NA	NA	Nil	0	NA	NA

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NA	Nil
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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
BE	Biotechnology	02/07/2018
BE	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
Non-Destructive Testing - Level-II	08/01/2018	34
Industry Ready Engineering Industrial PIC Embedded Training	11/08/2017	110
Molecular engineering and gene expression	06/11/2018	44
Autocadd for II and III year students	21/07/2017	41
E-TABS for IV year	21/07/2017	6
OT and Its Applications	11/08/2017	82
Electrical CADD	02/08/2017	17
Non-Destructive Testing Level-II	02/08/2017	50
ASP.NET	02/08/2017	37
Advanced Excel	13/02/2018	60
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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
BE	Automobile Engineering	48
BE	Biomedical Engineering	92
BE	Civil Engineering	119
BE	Civil Engineering	87
BE	Electrical and Electroncis Engineering	47
BE	Mechanical Engineering	70
BE	Computer Science and Engineering	30
BTech	Biotechnology	133
ME	Embeeded System and Technologies	4
ME	VLSI Design	3
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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 The feedback is collected at various levels viz. Students, Parents, Teachers and Alumni. Then the feedback is analysed at the top management and the action is taken. Feedback of stakeholders is collected regularly about infrastructure and learning resources for ensuring their satisfaction. Accordingly, continuous review of infrastructure and learning resources is carried out by respective Departments and the recommendations are integrated for upgrading, maintaining and utilizing physical, academic and support facilities. Feedback is also taken from faculties, stakeholders and experts regarding industry trends and feedback to identify new demands of industry. Structured feedback is taken from students, alumni, employers and experts from academia, industry and research through course/programme review feedback. A team of faculties takes feedback of internal and external subject experts including feedback of all course faculties of campuses to define/review the course objectives, contents, learning outcomes and assessment tools and put up the recommendations. Feedback from students is also taken through Class Committee meetings and corrective measures are taken accordingly, to improve the teaching-learning processes. At the end of the semester, feedback is collected from all students on each course and corrective measures are taken accordingly. Students Feedback: Feedback is taken thrice in a semester session from the student representatives of individual class regarding the academic, general facilities including mess, canteen, general hygiene and cleanliness. The actions to problems of urgent /Immediate nature are addressed by the authority immediately. The other problems which require management decisions are put up before the Governing Council and also addressed accordingly. Faculty Feedback: The academic behaviour feedback from the students are analysed and the essential corrective measures recommended to faculty members. The remarks are likewise shared with department for any corrective measures. Syllabus Coverage: One hundred syllabus coverage feedback is gathered from the Individual Subject Teacher. Parents Feedback: The parent's feedbacks are collected during the meeting with them and necessary actions are taken. Alumni feedback: The alumni of the college who have moved on to industry or for higher studies additionally give a feedback on how their years in the institution have helped them perform of their places of work/study. The alumni additionally supply constructive tips on helping the students gain extra recognition and improving themselves.

## 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	60	18
BE	Biomedical Engineering	60	55	48
BE	Civil Engineering	60	50	16
BE	Computer Science and	60	50	47

	Engineering			
BE	Electronics and Communication Engineering	60	40	27
BE	Electrical and Electronics Engineering	60	60	13
BE	Mechanical Engineering	120	90	65
BTech	Biotechnology	60	60	54
ME	Computer Science and Engineering	18	18	16
ME	Embeeded System and Technologies	18	25	9
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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
2017	1512	222	178	38	216

## 2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
216	123	7	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 following the mentoring system. This system has been introduced to establish a better and effective student-teacher relationship and guide the students in Academic and personal matters. All teachers work as Mentors and 15 to 20 students allotted to each faculty. Students meet their Mentor at least once in a week for guidance. Dedicated hour is allocated in the timetable. The scheme is adapted for the value additions to the students like Bridging the gap between the teachers and students. Creation of a better environment in college, where students can approach teachers for both educational and personal guidance. Enhancement of knowledge base for both teachers and students alike, due to effective two-way communication. Awareness and support to students for GATE, GRE, CAT, ISRO, SAIL, NAL, HAL, NTPC, BSNL, DRDO, BARC, and other Government PSUs examinations. Motivation for higher studies and entrepreneurship. Advice and support for improvement in academic performance. Regular meetings are held between mentor and mentee. A report card is maintained for each student. The report card has both personal and academic data. Students are allowed to

approach the mentor for both academic personal problems. Personalized professional / career advice is given to the mentee. Those who need special psychological counselling, are referred to Psychiatrist in the KIMS Hospital located within the campus.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1512	210	1:7

## 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
216	132	84	84	29

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	Organic farming and entrepreneurship

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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
ME	410	Semester	30/04/2018	29/06/2018
ME	405	Semester	30/04/2018	29/06/2018
BTech	214	Semester	30/04/2018	29/06/2018
BE	121	Semester	30/04/2018	29/06/2018
BE	114	Semester	30/04/2018	29/06/2018
BE	106	Semester	30/04/2018	29/06/2018
BE	105	Semester	30/04/2018	29/06/2018
BE	104	Semester	30/04/2018	29/06/2018
BE	103	Semester	30/04/2018	29/06/2018
BE	102	Semester	30/04/2018	29/06/2018

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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)). Continuous Evaluation process assists to improve student quality and participation in practical classes.

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

The institution is preparing academic calendar as prescribed by the University. All the departments are strictly adhering to the academic calendar related to conduct of internal assessments, syllabus completion, submission of assignments and other curricular activities. The institute adheres to the Academic Calendar prepared according to the academic schedule provided by Anna University Chennai. Every semester, we prepare the academic calendar for the institute and followed for conduct of examination and other activities. The academic calendar for various programmes follows the timelines/guidelines and academic schedule of the affiliating University. The academic calendar is displayed on the institute website and also shared with the head of the departments so as to ensure proper execution. Generally, the Anna University gives guidelines on the following in their academic schedule. Beginning of the academic sessions, Last working day of the semester, End semester theory and Practical examination schedule. The same academic calendar is published on institute's website before the beginning of every semester. It provides plan for the academic semester to students, teachers and parents. Considering the academic calendar, each department functions according to the teaching plan prepared at the department level.

## 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://kveg.in/be-automobile-engineering/automobile-po-and-peo/>

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
410	ME	Manufacturing Engineering	5	5	100
405	ME	Computer Science and Engineering	6	4	66.67
214	BTech	Biotechnology	44	36	81.82
121	BE	Biomedical Engineering	37	28	75.68
114	BE	Mechanical Engineering	114	53	46.49
106	BE	Electronics and Communication Engineering	31	16	51.61
105	BE	Electrical	19	9	47.37

		and Electronics Engineering			
104	BE	Computer Science and Engineering	25	12	48
103	BE	Civil Engineering	57	21	36.84
102	BE	Automobile Engineering	31	9	69.23
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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)

<http://kveg.in/wp-content/uploads/2021/04/Student-Satisfaction-Survey-SSS.pdf>

## 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
Students Research Projects (Other than compulsory by the University)	150	TNSCST	10000	10000
Major Projects	1095	Ministry of Earth Sciences	2051000	885000
Any Other (Specify)	180	Institution	10000	10000
Any Other (Specify)	180	Institution	10000	10000
Any Other (Specify)	365	Institution	100000	100000
Any Other (Specify)	365	Institution	140000	140000
Any Other (Specify)	180	Institution	10000	10000
Any Other (Specify)	365	Institution	20000	20000
Any Other (Specify)	365	Institution	20000	20000
Students Research Projects (Other than compulsory by the	150	TNSCST	10000	10000

University)

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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
Workshop cum Seminar on IPR Awareness Opportunities in Civil Engineering	Civil Engineering	18/08/2017
National Seminar on IPR and its Emerging Trends	Biomedical Engineering	30/08/2017
Workshop on Patent Right and Drafting	Biotechnology	06/09/2017
National Seminar on Recent Trends in Automobile Safety System	Automobile Engineering	21/09/2017
Awareness Programme on IPR/ Patent right	Biotechnology	27/09/2017
Intellectual property rights on challenges and issues	Business Administration	03/10/2017
IPR awareness and opportunities in Electronics Engineering	Electronics and Communication Engineering	18/10/2017
Kinematics simulation and 3D photorelastic rendering	Mechanical Engineering	26/10/2017
National Seminar on IPR for Electrical Engineering	Electrical and Electronics Engineering	31/10/2017

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
Design and Fabrication of E-Bike	Mr.Balaji.P, Mr.Hasith Basha, Mr.Sasikumar, Mr.Dhilip Kumar	Karpagam University	21/07/2017	Innovation
Detection and Analysis of Diabetic Foot Ulcer	Mr. M. RUBESHRAM, Mr. ARUN KANNAN, Ms. LALITHA, Ms. PRISILLA MOL	DST - Texas Instrumentation	31/08/2017	Innovation
An automated Vein detection and Injection system using near infrared	Ms. JAYASHREE, Mr. RAJESH, Ms. NANDHINI, Mr. SHABAZ,	DST - Texas Instrumentation	31/08/2017	Innovation

light	Ms.KEERTHANA		
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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
NA	NA	NA	NA	NA	Nil
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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
Civil Engineering	1

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	Biomedical Engineering	5	0
National	Biotechnology	3	Nil
National	Civil Engineering	9	Nil
National	Computer Science and Engineering	7	Nil
National	Electronics and Communication Engineering	7	Nil
National	Mechanical Engineering	1	Nil
National	MCA	7	Nil
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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
MBA	10
MCA	40
Mechanical Engineering	7
Electrical and Electronics Engineering	18
Electronics and Communication Engineering	6
Computer Science and Engineering	12
Civil Engineering	16

Biotechnology	12
Biomedical Engineering	17
Automobile Engineering	9
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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
Rapid identification and surveillance of variant mecA gene and analysis of efflux pump in mecA negative MRSA infections in school children	Dr. V. K arthikeyan	Pakistan Journal of Pharmaceutical sciences	2017	0	Karpaga Vinayaga College of Engineering and Technology	0
Biodegradation of Tannery Effluent Hexavalent Chromium By Aspergillus niger Using Egg Shell Packed Bed Reactor	R. Magesh	Pollution research journal	2017	0	Karpaga Vinayaga College of Engineering and Technology	0
Hitherto Unobserved inhibition of insect chitinase enzyme by natural terpene	Dr. K. Jayaprakash	International journal of entomology research	2017	0	Karpaga Vinayaga College of Engineering and Technology	0
Gossypol - A terpenoid bioactive metabolite from Gossypium as	Dr.K. Jayaprakash	International journal of ecology, environmental and conservation	2017	0	Karpaga Vinayaga College of Engineering and Technology	0



Mosquito larvicide, Ecology, Environment and Conservation						
A Short Review on the Valorisation of Sugarcane Bagasse Ash in the Manufacture of Stabilized/Sintered Earth Blocks and Tiles	Dr.P.Kasinatha Pandian	Advances in Materials Science and Engineeringthis link is disabled	2017	16	Karpaga Vinayaga College of Engineering and Technology	16
EGG shell ash as auxiliary addendum to lime stabilization of an expansive soil	Dr.P.Kasinatha Pandian	Journal of Solid Waste Technology and Managementthis link is disabled	2017	4	Karpaga Vinayaga College of Engineering and Technology	4
Bagasse Ash as an Auxiliary Additive to Lime Stabilization of an Expansive Soil: Strength and Microstructural Investigation	Dr.P.Kasinatha Pandian	Advances in Civil Engineering this link is disabled,	2018	7	Karpaga Vinayaga College of Engineering and Technology	7
Strength and Microstructure of Micro ceramic dust admixed lime stabilized soil	Dr.P.Kasinatha Pandian	Revista Dela Construction	2018	10	Karpaga Vinayaga College of Engineering and Technology	10
Implementation of Optimal	Dr.M.Devaraju	Journal of Computational and	2017	0	Karpaga Vinayaga College of	0

Binary Encoding Scheme for Accurate Fast Motion Estimation Based on Hamming Distances		Theoretical Nanoscience			Engineering and Technology	
QoS supported adaptive and multichannel MAC protocol in vehicular ad-hoc network	Dr.M.Dev araju	Cluster Computing	2017	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
Design and Implementation of an Efficient Fft Processor using Modified Booth Multiplier	A. Manimaran	International Journal of Control Theory and Applications	2018	0	0	Karpaga Vinayaga College of Engineering and Technology
Analysis on spectrum sensing schemes for Cognitive radio networks	Perarasi.T	International Journal Of Image Mining	2018	0	0	Karpaga Vinayaga College of Engineering and Technology
Multi-Iterative Thresholding Technique for Embedded Real time Image Segmentation	Dr.M.Dev araju	International Journal of Applied Engineering Research	2018	0	0	Karpaga Vinayaga College of Engineering and Technology

Design and Simulation Analysis of a Novel High Quality Factor Curvature Spring Micro Electronic Mechanical System Varactor	Dr.M.Dev araju	Journal of Computational and Theoretical Nanoscience	2017	0	0	Karpaga Vinayaga College of Engineering and Technology
QoS supported adaptive and multic hannel MAC protocol in vehicular ad-hoc network	Dr.M.Dev araju	Cluster Computing	2018	0	0	Karpaga Vinayaga College of Engineering and Technology
Implementation of Optimal Binary Encoding Scheme for Accurate Fast Motion Estimation Based on Hamming Distances	Dr.M.Dev araju	Journal of Computational and Theoretical Nanoscience	2017	0	0	Karpaga Vinayaga College of Engineering and Technology
Rapid identification and surveillance of variant mecA gene and analysis of efflux pump in mecA negative MRSA infections in school children	Dr. V. K arthikeyan	Pakistan Journal of Pharmaceutical sciences	2017	0	0	Karpaga Vinayaga College of Engineering and Technology
Gossypol - A	Dr.K. Ja yaprakash	International	2017	0	0	Karpaga Vinayaga

terpenoid bioactive metabolite from Gossipium as Mosquito larvicide, Ecology, Environment and Conservation		journal of ecology, environmental and conservation				College of Engineering and Technology
Hitherto Unobserved inhibition of insect chitinase enzyme by natural terpene	Dr. K. Jayaprakash	International journal of entomology research	2017	0	0	Karpaga Vinayaga College of Engineering and Technology
Biodegradation of Tannery Effluent Hexavalent Chromium By Aspergillus niger Using Egg Shell Packed Bed Reactor	R. Magesh	Pollution research journal	2017	0	0	Karpaga Vinayaga College of Engineering and Technology

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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	11	38	0	3
Presented papers	35	18	0	0
Resource persons	0	3	0	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
Programme on green practices plastic awareness	NSS	7	36

Programme on clean india children day festival	NSS	7	35
Awarness 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
<a href="#">View File</a>			

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
NA	NA	NA	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 activities	Number of students participated in such activities
Save agriculture	Vandular zoo	Awarness display board regarding agriculture2	2	45
Swachh 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	Achirapakkam panchayat	Green practices and plastic awareness	7	35
Swachh bharat	Uthiramerur municipality	Mass cleaning	2	50
Road safety	Chengalpet town traffic police station	Awarenes 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
NA	NA	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	5 days Internship	Kaashiv Infotech, Annanagar, Chennai	12/06/2018	16/06/2018	1
Inplant Training	6 days Inplant Training	Medway Hospitals, Kodambakkam	25/06/2018	30/06/2018	3
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	Noorulislam Institute of Medical	04/06/2018	15/06/2018	1

	of Biomedical Engineering	Science and Research Foundation, Thiruvananthapuram, Kerala			
Internship	3 days Internship	Govt. Stanley Hospital	27/06/2018	29/06/2018	1
Inplant Training	5 days Inplant Training	Star Technologies, T. Nagar, Chennai	06/06/2018	10/06/2018	1
Inplant Training	6 days Inplant Training on Hospital Equipments	Division of Telemedicine and Biomedical Engineering, Raja Muthaiah Medical College and Hospital, Chidambaram	07/06/2018	12/06/2018	11
Inplant Training	5 days Hospital Training	Venkateswara Hospitals, Nandanam, Chennai	19/06/2018	23/06/2018	2
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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
Retech Technology	03/05/2018	Seminar Workshops	95
Kalam Institute Of Health Technology	10/07/2018	Guest Lectures, Seminars, Workshops and Placement	6
Pharma fabrikon Pvt.ltd ,	10/03/2018	Research work, Value added course Industrial Visit , In-Plant Training and Placement	8
IDesign Technologies Pvt ltd	13/03/2018	Value Added courses, Industrial visit and In-Plant training	50
Indo American Hybrid Seeds (India) Pvt. Ltd	16/07/2018	Research work, Value added course Industrial Visit , In-Plant Training	1

		and Placement	
Golden Jubilee Biotech Park For Women Society	20/08/2018	Research work, Value added course Industrial Visit and In-Plant Training	8
Sharpsys Software Solutions India Pvt Ltd.	04/01/2018	Research work, Value added course Industrial Visit and In-Plant 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
170	168.39

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
No file uploaded.	

### 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
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	37382	7476400	603	120600	37985	7597000
Reference Books	7355	2206500	205	61500	7560	2268000
e-Books	15321	13570	0	0	15321	13570
Journals	739	1290683	0	0	739	1290683
e-Journals	1040	1752631	800	13570	1840	1766201
Digital Database	4	13570	0	0	4	13570
CD & Video	1090	218000	0	0	1090	218000
Library Automation	1	94224	0	0	1	94224
Weeding (hard & soft)	1920	122450	0	0	1920	122450

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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
0	0	0	Null
No file uploaded.			

#### 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
NA	<a href="#">NA</a>

#### 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
70	69.76	260	258

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, academic buildings, workshop, hostels, staff 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 verandas. 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 through Tele media Services and are maintained by technicians. System Administrator maintains the Server room with appropriate software. Website is maintained by the external agency coordinated with faculty in charge. The laboratory equipment's are maintained by the internal / 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 co-curricular activities. As a Social Responsibility, the institution supports 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

<http://kveg.in/wp-content/uploads/2021/04/Policy.pdf>

## **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	Founders Scholarship	52	1901500
Financial Support from Other Sources			
a) National	BC/MBC/BCM/SC/ST/Minority	870	19550985
b) International	Nil	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 implementation	Number of students enrolled	Agencies involved
Soft Skill Development	03/07/2017	1025	Training and Placement Cell, KVCET
Remedial Coaching	24/07/2017	324	Faculty members of respective department
Language lab	03/07/2017	315	Ms. K. Sharmila Jane, English Department
Bridge courses	21/08/2018	150	Faculty member of SH, KVCET
Yoga	21/06/2017	150	Dr. Saravanan, HoD of MCA/ UGC
Personal Counseling	14/09/2017	2	KIMS
Mentoring	04/09/2017	1025	Mentors of respective department
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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
2017	TANCET	78	78	4	64
2017	GATE	143	105	0	32
2017	GMAT	80	80	0	0
2017	IELTS	80	80	0	0
2017	Employability Skills training	532	532	0	219
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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	6

## 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, Agna Corporate Service, Sutherland, Sonex Builders, AGS Healthcare, Brios Engineers, Chennai Auto Pvt. Ltd., Parker Hanneyfin India Pvt. Ltd., Eureka forbes, Shriram Chits Pvt. Ltd, Episource, iLens, Airtel, Aages	221	144	TVS Sundaram fasteners, Seyon HEA Automotive India Pvt. Ltd., L T, Sakthi Ferro India Pvt. Ltd.,, LCR Pvt. Ltd., Renault Nissan, GE Healthcare, Triton Healthcare Pvt. Ltd, CTS	221	59
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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	BE Biomedical Engineering	Biomedical Engineering	Anna University	ME Biomedical Engineering
2018	1	BE Biomedical Engineering	Biomedical Engineering	SSN College of Engineering	M.E Biomedical Engineering
2018	1	BE Biomedical Engineering	Biomedical Engineering	Panimalar Engineering College	MBA

2018	8	B.Tech Bio technology	Biotechnology	Karpaga Vinayaga College of Engineering and Technology	M.Tech Bio technology
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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	4
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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
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
Nil	NA	Nil	Nil	Nil	Nil	NA
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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 2015-16. It provides students with opportunities to engage in cultural, educational, social and recreational activities, which are an integral part of the living learning community of KVCET. 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 contacting the Principal to evaluate the plan 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. • In plant 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:

309

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

162500

5.4.4 – Meetings/activities organized by Alumni Association :

14

### 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. Entrepreneurship Development 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
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.
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
Industry Interaction / Collaboration	The institute has signed more than 30 MoUs for exchange of work, consultation, guest lectures, industrial visit etc.,
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. Administrative and clerical staffs are recruited to the concerned departments and all are governed by the services values of the institution.
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.
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.
Teaching and Learning	Curriculum delivery is implemented in the classroom 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.
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.

#### 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 the commencement of the examination. Results are published through online
Planning and Development	NA
Administration	NA
Finance and Accounts	NA
Student Admission and Support	NA

### 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	Mr. A. Manimaran	Cyber disease Ethical hacking and cyber security	NA	500
2018	Ms. K. Kiruthiga	Cyber disease Ethical hacking and cyber security	NA	500
2018	Mrs. T. Perarasi	Cyber disease Ethical hacking and cyber security	NA	500
2018	Ms. R. Priyavarshiny	National Seminar on Sustainable Development	NA	500



2018	Mr.R.Narendiran	National Seminar on Sustainable Development	NA	500
2018	Ms.S.R.Lavanya	National Seminar on Sustainable Development	NA	500
2018	Dr.K.Jayaprakash	National workshop on national information systems for climate and environmental studies	NA	1000
2018	Dr.K.Jayaprakash	Quality improvement programme on current scenario in nano and biotechnology applications	NA	1000
2017	Dr.A.Sheeladevi	National Symposium on biotechnological applications in the field of agriculture, energy and health care	NA	500
2017	Dr.A.Sheeladevi	National Conference on Microbial Biotechnology for sustainable agriculture and food safety	NA	1000
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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)
2017	Workshop on advanced biotechnological	Nil	11/12/2017	15/12/2017	15	Nil

	tools and its applications					
2018	Nil	Training programme on mushroom cultivation	05/03/2018	06/03/2018	Nil	3
2017	Faculty development Training Programme on CE6505 Design of Reinforced Concrete Elements	Nil	15/06/2017	16/06/2017	16	Nil
2017	Nil	Total Station	13/12/2017	14/12/2017	Nil	8
2017	Nil	Basic Hardware and System Configuration	26/06/2017	29/06/2017	Nil	12
2017	Advance Networking and Security	Nil	20/06/2017	23/06/2017	20	Nil
2017	Nil	Open Source Embedded platform -Arduino	23/06/2017	24/06/2017	Nil	23
2017	Application of IOT	Nil	20/06/2017	22/06/2017	38	Nil
2018	Controlling Electrical Hazards	Nil	11/06/2018	12/06/2018	45	Nil
2018	Nil	Electrical Safety	21/05/2018	23/05/2018	Nil	25
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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
Two week STTP on NDT ASME	1	02/12/2017	18/12/2017	15

Level-II				
Faculty Development Program on Soil Mechnaics	4	27/11/2017	01/12/2017	5
FDP on Soft Computing Application in Power System	1	20/11/2017	25/11/2017	6
Rapid Casting Techniques	1	19/06/2017	21/06/2017	3
Finite Element Analysis	1	14/12/2017	16/12/2017	3
Engineering Mechanics	1	08/12/2017	09/12/2017	Null
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
84	84	5	5

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 Quarters, Admission Facility for wards, Group Insurance, Free Bachelor Accommodation	EPF, Maternity Leave, Free Transportation, Marriage Leave, Sponsorship for Higher Education, Family Quarters, Admission Facility for wards, Group Insurance, Free Bachelor Accommodation, Free Lunch	Group Insurance, Scholarships, Financial Assistance for Students Exchange Programme

**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 conducted 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
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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	NA
No file uploaded.		

## 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	Nil	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)

NA

## 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	Initiative for New Research Projects	07/06/2017	05/01/2018	31/12/2019	2
2018	EDC	07/06/2017	12/09/2017	14/09/2017	100
2018	Mini Projects	07/06/2017	03/07/2017	04/02/2019	240
2018	Outreach Programmes	07/06/2017	25/08/2017	25/08/2017	1200

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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
Drawing Competition on Women Rights	28/02/2018	28/02/2018	124	7
Seminar on Importance of Women Education	05/09/2017	05/09/2017	65	7
Special Lecture on Women's Rights and Human Rights	17/10/2017	Nil	48	5
The Health of Women and Girls Determines the Health and Well-Being of Our Modern World	07/02/2018	07/02/2018	58	5

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

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Braille Software/facilities	No	1
Rest Rooms	Yes	1
Scribes for examination	Yes	1
Special skill development for differently abled students	No	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
2017	1	1	25/12/2017	6	Vermiculture	Production of Vermiwash	80

[View File](#)

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

Title	Date of publication	Follow up(max 100 words)
Speech on fundamental rights	27/07/2017	Faculties are advised to conduct the activities in the classes and advised to organize lectures by eminent people
Motivational Speech	29/11/2017	Faculties are advised to conduct the activities in the classes and advised to organize lectures by eminent people
Human Values Time Management	20/12/2017	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.

### 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence Day (Essay Writing)	14/08/2017	14/08/2017	20
Vinayagar Chaturthi	25/08/2017	25/08/2017	60
Teachers Fay	05/09/2017	05/09/2017	64
Onam	06/09/2017	06/09/2017	24
Diwali	17/10/2017	17/10/2017	100
Pongal	12/01/2018	12/01/2018	100

[View File](#)

### 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 Real time 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 self-evaluation 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 Counselling 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 A  
psychiatrist Karpaga Vinayaga Institute of Medical Sciences, regularly visits

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 co-curricular 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://kveg.in/wp-content/uploads/2021/08/Best-Practices.pdf>

### 7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

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 and Karpaga Vinayaga Institute of Dental Sciences to create awareness on personal health among rural community. 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.

Provide the weblink of the institution

<https://kveg.in/wp-content/uploads/2021/08/Institutional-Distinctiveness.pdf>

### **8.Future Plans of Actions for Next Academic Year**

**Academic:** The institution is committed to excellence in academics 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 postgraduate programs, (ii) to offer more value-added courses. The institution is planned to apply for NBA accreditation for more number of programs. **Research:** It is planned to encourage faculty members and students to work on innovative projects. To encourage faculty and scholars to submit the maximum number of project proposals to get funding from government agencies. It is planned to encourage faculty to publish more research papers in Scopus indexed/ UGC listed journals to improve the h-index 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 programs, training, etc, (ii) obtaining grants from DST-NIMAT, EDII, Ahmedabad for various activities to encourage students to become Entrepreneurs. Similarly, more activities are planned under MSME Incubation Centre and students will be encouraged and supported to submit more innovative ideas to get financial support. The institution is planned to produce more patents through innovative projects.