Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN(Autonomous)**
Name of the head of the Institution	**Dr.KCK.Vijayakumar**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04288234241**
Mobile no.	**9443734562**
Registered Email	**vcewprincipal@gmail.com**
Alternate Email	**principal@vcew.ac.in**
Address	**Elayampalayam, Tiruchengode**
City/Town	**Namakkal**
State/UT	**Tamil Nadu**
Pincode	**637205**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**17-Aug-2012**
Type of Institution	**Women**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr.R.Vinothkanna**
Phone no/Alternate Phone no.	**09894367140**
Mobile no.	**9994229796**
Registered Email	**iqac@vcew.ac.in**
Alternate Email	**rvinothkanna@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://vcenggw.ac.in/aca_iqac.html

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://vcenggw.ac.in/aca_cal.html

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B++**	**2.82**	**2017**	**19-Jul-2017**	**18-Jul-2022**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**05-Jan-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
Leading Towards Excellence in Teaching	**19-Jul-2018** **6**	**67**

Question paper setting by using various knowledge levels for Continuous Assessment	19-Jan-2019 5	42
Faculty Development Programme	15-Feb-2019 6	91
Engineer's Day	29-Sep-2018 8	1500
Faculty Induction Programme	15-Jun-2018 6	20
Faculty Motivation Programme for NBA accreditation	30-May-2019 6	95
Quality Academic Process	23-Jun-2018 6	107
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institution	Autonomous Renewal	UGC	2018 5	0
Institution	Star Certificate	MHRD & AICTE	2018 0	0
Institution	Incubation Centre	MSME	2018 0	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
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 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)

Involved in Autonomous renewal process and successfully obtained extension for next five years (upto Academic Year 2023)

Involved in NBA Tier1 Accreditation process and 4 departments (BT, CSE, IT, EEE) obtained for 3 years

Organized quality improvement programs such as FDP, Awareness, Orientation programs etc

Involved in quality improvement activities such as participating in NIRF rankings and various branding activities and got "Top 20 Promising Education Institues in Tamilnadu 2018" award from Higher Education Review Magazine & "Best Women Engineering College in India-2018" by ISTE

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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
Faculty Induction Programme	Faculty knows about system functioning of the institution
Quality Academic Process	Faculty understands the process of ISO & NBA
Leading Towards Excellence in Teaching	Faculty understands the proper usage of ICT tools for the teaching and learning process
Engineer's Day	Students proved their skills in my idea contest and transformed their ideas into projects
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Ninth Governing Body Meeting	01-Jun-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	28-Jun-2019

16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	09-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Internal marks entry, online feedback for students about faculty performance and infrastructure, outcome based education (OBE), CO PO attainment, Online examination for prelab and postlab, College Management System (CMS), Learners Management System (LMS), Student details, Faculty details, Faculty Student attendance, Principal / HoD / Faculty / Student Dashboard etc

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	101	Computer Science and Engineering	28/04/2018
BE	101	Computer Science and Engineering	19/01/2019
BE	102	Electrical and Electronics Engineering	25/04/2018
BE	102	Electrical and Electronics Engineering	27/12/2018
BE	103	Electronics and Communication Engineering	24/04/2018
BE	103	Electronics and Communication Engineering	28/12/2018
BTech	104	Information Technology	28/04/2018
BTech	104	Information Technology	05/01/2019
BTech	105	BioTechnology	25/04/2018

BTech	105	BioTechnology	10/01/2019

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	Computer Science and Engineering	28/04/2018	U15CS734 Creative and Innovative Projects Laboratory	28/04/2018
BE	Computer Science and Engineering	28/04/2018	U15CS735 Internship training and Summer project	28/04/2018
BE	Electrical and Electronics Engineering	25/04/2018	U15EE734 Internship training and Summer project	25/04/2018
BE	Electronics and Communication Engineering	24/04/2018	U15EC731 Internship training and Summer project	24/04/2018
BTech	Information Technology	28/04/2018	U15IT727 Data Analytics Laboratory	28/04/2018
BTech	Information Technology	28/04/2018	U15IT728 Internship training and Summer project	28/04/2018
BTech	BioTechnology	25/04/2018	U15BT725 Entrepreneurship	25/04/2018
BTech	BioTechnology	25/04/2018	U15BTE18 Clinical trial & Management	25/04/2018
BTech	BioTechnology	25/04/2018	U15BTE19 Biopharmaceutical technology & drug development	25/04/2018
BTech	BioTechnology	25/04/2018	U15BT728 Internship Training & Summer Project	25/04/2018

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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 College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
No Data Entered/Not Applicable !!!		

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
Spoken Tutorial PHP and MySQL	15/10/2018	83
Spoken Tutorial C and CPP	09/02/2019	94
Spoken Tutorial JAVA	09/02/2019	103
Robotics SKYFI Lab	13/03/2018	159
Embedded System Design using Arduino	14/09/2018	26
Smartphone Troubleshooting	05/02/2019	131
Mobile Application Development	28/04/2018	29
Software Foundation II	28/04/2018	105
Oyster Mushroom Cultivation	25/04/2018	166
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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	Computer Science and Engineering	109
BE	Electrical and Electronics Engineering	72
BE	Electronics and Communication Engineering	91
BTech	Information Technology	50
BTech	BioTechnology	54
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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

• The current needs of the industry and society are assessed and the draft Curriculum is designed by the Department Advisory Board which include Head of the Department and faculty members of the respective departments by taking into account the feedback reports given by the various Stakeholders (particularly from industrialist, academician and alumni). • Based on the feedback from the Industrial experts and alumni, the curriculum is enriched by organizing specific training programmes, guest lectures, industrial visits, workshops and Faculty development programmes. • The views and suggestions of Industry experts, Research scholars and Professionals are incorporated in the curriculum of all disciplines to make it locally and globally relevant and to promote employability. • The quality sustenance and quality enhancement measures are undertaken by the institution in order to make the students more energetic and employable. • Feedback is collected from all the stakeholders based on several criteria's like Infrastructure, teaching learning process, curriculum and other facilities. The college conducts annual alumni meet every six months, in which suggestions are received from stakeholders such as alumni students, parents, industrial experts, etc. The consolidated feedback given by them on different aspects is presented to the various standing committees and the college. The given suggestions are recorded and discussed with the management for further implementation.

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	Computer Science and Engineering	120	136	97
BE	Electronics and Communication Engineering	120	127	77
BE	Electrical and Electronics Engineering	120	94	35
BTech	BioTechnology	60	56	39
BTech	Information Technology	60	68	47
ME	Computer Science and Engineering	18	12	9
ME	Applied Electronics	18	11	2
ME	VLSI Design	24	21	8
ME	Power Systems Engineering	18	20	11
Mtech	Information Technology	18	8	0

MBA	Master of Business Administration	60	14	0

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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	1448	61	106	24	27

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 Toolsand resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
157	157	40	35	5	12000

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

A faculty is assigned as a mentor to a group of 15 students to deal with their problems and the mentor maintains record of students. Mentor Meeting frequency : Number of faculty members: All the faculties in each programme Number of students per mentor: 15 students Frequency of meeting: Scheduled once in a week and also need based Number of Faculty Advisor: 2 per class A faculty is assigned as a mentor to a group of 15 students to deal with their problems and maintains record of students. By observing overall performance of the students, the mentor provides counseling and interacts with parent whenever required. ? A successful student mentoring system has already been implemented in our college. ? From the date of joining to the exit, the students are comes under this system. ? A complete record of the student is registered in the system such as Academic, Cocurricular, ExtraCurricular achievements, Social activities and the details of Parent Meetings. ? Significant changes are observed with any individual student will be interacted in person. ? Staff would submit the register to the high level mentoring with members like Head of the Department/Institution. If necessary the mentor will have discussions with the Parents and Medical Counselor.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1509	157	1:15

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
157	157	0	19	34

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 N M Saravana Kumar	Professor	Best Performer Award
2018	N Nasurudeen Ahamed	Assistant Professor	Best Teacher Award
2018	R Manikandan	Assistant Professor	Best Faculty Award

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2.5 – Evaluation Process and Reforms

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

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	101	Odd Semester	09/01/2019	02/02/2019
BE	102	Odd Semester	09/01/2019	02/02/2019
BE	103	Odd Semester	09/01/2019	02/02/2019
BTech	104	Odd Semester	09/01/2019	02/02/2019
BTech	105	Odd Semester	09/01/2019	02/02/2019
ME	201	Odd Semester	09/01/2019	02/02/2019
ME	202	Odd Semester	09/01/2019	02/02/2019
ME	203	Odd Semester	09/01/2019	02/02/2019
ME	205	Odd Semester	09/01/2019	02/02/2019
BE	101	Even Semester	14/06/2019	06/07/2019
BE	102	Even Semester	14/06/2019	06/07/2019
BE	103	Even Semester	14/06/2019	06/07/2019
BTech	104	Even Semester	14/06/2019	06/07/2019
BTech	105	Even Semester	14/06/2019	06/07/2019
ME	201	Even Semester	14/06/2019	06/07/2019
ME	202	Even Semester	14/06/2019	06/07/2019
ME	203	Even Semester	14/06/2019	06/07/2019
ME	205	Even Semester	14/06/2019	06/07/2019

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	1541	0

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)

http://vcenggw.ac.in/ug_ece.html

2.6.2 – Pass percentage of students

Programme	Programme	Programme	Number of	Number of	Pass Percentage

Code	Name	Specialization	students appeared in the final year examination	students passed in final year examination	
101	BE	Computer Science and Engineering	79	74	93.67
102	BE	Electrical and Electronics Engineering	72	69	95.83
103	BE	Electronics and Communication Engineering	91	89	97.8
104	BTech	Information Technology	50	45	90
105	BTech	BioTechnology	54	49	90.74
201	ME	Computer Science and Engineering	11	11	100
202	ME	Power Systems Engineering	6	6	100
203	ME	Applied Electronics	8	8	100
205	ME	VLSI Design	5	5	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)

http://vcenqqw.ac.in/pdf/FEED-BACK-TEACHING.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Dr.L.Malathi
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
No Data Entered/Not Applicable !!!				
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3.2 – Resource Mobilization for Research

3.2.1 – 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	90	Angammal Educational Trust	0.13	0.13
Students Research Projects (Other than compulsory by the University)	90	Tamil Nadu State Council for Science and Technology	0.22	0.22
Students Research Projects (Other than compulsory by the University)	120	Tamil Nadu State Council for Science and Technology	0.15	0.15
Students Research Projects (Other than compulsory by the University)	90	Tamil Nadu State Council for Science and Technology	0.1	0.1
Students Research Projects (Other than compulsory by the University)	90	Tamil Nadu State Council for Science and Technology	0.25	0.25
Students Research Projects (Other than compulsory by the University)	90	Tamil Nadu State Council for Science and Technology	0.1	0.1
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

11

3.3 – Innovation Ecosystem

3.3.1 – 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
India First leadership Talk Series	Computer Science and Engineering	08/01/2019
Workshop on IPR for students and Faculty members by Institution Innovation Council	Computer Science and Engineering	10/01/2019
Graphical system design in engineering applications using Lab View conducted by Mr.P.Nagarajan – Technical Section NI Instruments	Electronics and Communication Engineering	12/11/2018
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3.3.2 – 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
Excellence in Academic	Mr.N.Nasurudeen Ahamed	IRDP Journals	31/05/2018	Best Teacher
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3.3.3 – 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
MSME Incubation CentreMSME Incubation Centre	Vivekanandha Business Incubation Centre	MHRD	Nil	NA	01/06/2018
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Electronics and Communication Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Biotechnology	11	0.17
International	Computer Science and Engineering	46	0.12
International	Electronics and Communication Engineering	36	0.21
International	Electrical and Electronics Engineering	26	0.19

| International | Information Technology | 15 | 2.1 |

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

Department	Number of Publication
Biotechnology	1
Electronics and Communication Engineering	15

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			
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3.4.5 – 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
Glioma tumor detection in brain MRI image using ANFISbased normalized graph cut approach	Dr. S. Suresh Kumar	International Journal of Imaging Systems and Technology	2018	0	Professor, Department of Computer Science and Engineering	43
A Study on brain tumor detection Algorithms for MRI Images	Dr.L.Malathi	International Research Journal of Engineering and Technology,	2018	0	Associate Professor, Department of Computer Science and Engineering.	18
Stability enhancement of grid by direct power control strategy and fuzzy controller method for the reduction	Mr.D.Santhoshkumar	International journal of Information and computer science engineering	2019	0	Assistant Professor, Department of Electrcal and Electronics Engineering	0

of wind power fluctuation.						
Hybrid Ant Colony Optimization Model for Logo Based Document Image Retrieval using SIFT Local Descriptor	Dr.R.Vinothkanna	International Journal of Computers and Electrical Engineering (Elsevier)	2019	0	Professor, Department of Electronics and Communication Engineering	0
Secured Key Management Scheme for Multicast Network Using Graphical Password	Dr.N.M.SaravanaKumar	International Journal of Mobile Network and Applications Springer	2019	0	Professor, Dept. of IT Vivekananda College of Engineering For Women	0
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3.4.6 – 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
Biogas production – A review on composition, fuel properties , feed stock and principles of anaerobic digestion	S. Chozhavendhan	Renewable and Sustainable Energy Reviews	2018	1	40	Professor, Dept. of BT Vivekananda College of Engineering For Women
Smart Bowling Action Monitoring System using WSN	Dr.L.Malathi	International Journal of Innovative Research in Computer and Communication Engineering	2018	18	0	Associate Professor, Department of Computer Science and Engineering
Locating Hybrid Power Flow	Dr.B.Gopinath	Bonfring International Journal	2018	0	10	Professor, Department of

Controller in a 30Bus System Using Chaotic Evolutionary Algorithm to Improve Power System Stability	of Software Engineering and Soft Computing				Electrcal and Electronics Engineering

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	36	76	38
Presented papers	22	57	8	5
Resource persons	1	0	0	5

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Bio Technology	Stem Growth Analysis Of Plants	COSMOGEMS Pvt. Ltd	600000
Computer Science and Engineering	PDS Management With Machine Control	Electro Solar Solution	700000
Computer Science and Engineering	Dedicated OS Development for Hospitals Based on RP	Vivekanandha Medical Care Hospital	35000
Electronics and Communication Engineering	Liquid Monopole Antenna for Submarine Applications	SigmaPiPower Sources Pvt.Ltd	775000
Electrical and Electronics Engineering	Industrial Power Management and Control	Orbit Controls and Services	750000
Information Technology	Nerve Contraction Analysis using Graphical Environment	Zentronic Manufacturing company (Private)	685000

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees

PMKVY, Electronics and Communication Engineering	DTH set top box installation and service technician installation	PMKVY	262500	24

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3.6 – Extension Activities

3.6.1 – 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
SPECIAL CAMP PROGRAMME	State Government	8	55
SPECIAL CAMP PROGRAMME	State Government	8	57

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3.6.2 – 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
No Data Entered/Not Applicable !!!			
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3.6.3 – 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
YRC RRC	YRC RRC	AWARNESS PROGRAMME FOR AIDS	10	65
NATIONAL SERVICE SCHEME	NATIONAL SERVICE SCHEME	SPECIAL CAMP PROGRAMME	8	55
NATIONAL SERVICE SCHEME	NATIONAL SERVICE SCHEME	SPECIAL CAMP PROGRAMME	8	57
Swachh Bharat	Institution	Green Campus	10	50

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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
No Data Entered/Not Applicable !!!			
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3.7.2 – 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	Name of the	Duration From	Duration To	Participant

linkage	partnering institution/ industry /research lab with contact details				
Industry	Internship	Consortium for Indian Information Technology Education (CIITE), Chennai.	22/04/2019	22/05/2019	23
Industry	Internship	ALLTECHZ SOLUTIONS, CHENNAI	24/11/2018	03/12/2018	12
Industry	Internship	Bharath Sanchar Nigam Limited, Salem	10/12/2018	14/12/2018	07
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Skyfi Labs	08/02/2019	Research work, Workshops, Seminars Guest Lectures	225
SP Hospital	21/02/2019	Research work	4
AICTE Internshala	24/06/2019	Internship	56
Caliber Embedded Technologies Salem	19/12/2018	Consultancy, Internship Inplant training	112
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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
7500000	6163000

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	Newly Added
Seminar halls with ICT facilities	Existing
Video Centre	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Autolib Software	Fully	8.2	2006

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	34385	10360743	383	371593	34768	10732336
Reference Books	368	1613237	21	107592	389	1720829
e-Books	390	13570	177	72216	567	85786
Journals	51	130407	20	60000	71	190407
e-Journals	1771	13570	2920	72216	4691	85786
Digital Database	8000	0	2083	0	10083	0
CD & Video	3450	0	947	0	4397	0
Library Automation	1	46890	0	12110	1	59000

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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	Platformon which module is developed	Date of launching e-content
A.Renugadevi	Object Oriented Programming	Video	16/03/2018
V.Banupriya	Fundamentals of Computing and C Programming	Video	26/11/2018
D.Radhika	Complier Design	Video	15/03/2018
M.Ramesh	Design and Analysis of Algorithms	Video	23/03/2018
A.Archana	Linear Algebra Foundations to Frontiers	edX	22/07/2018

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	865	11	40	1	1	1	5	40	1
Added	0	0	24	0	0	0	1	24	0
Total	865	11	64	1	1	1	6	64	1

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
Smart Class Room with Audio Video Recording facilities	http://vcenggw.ac.in/ug_it.html

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 incurredon maintenance of physical facilites
283.6	175.95	352.2	309.26

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)

The college ensures optimal allocation and utilization of the available financial recourses for maintenance of different facilities by holding regular meetings of various committees constituted for this purpose and using the grants received as per the requirements of the students' interest. Laboratory: Lab maintenance record is maintained by lab technicians, Lab Incharge and supervised by HODs of the concerned department. Maintenance of laboratories is as follows: The calibration, repairing and maintenance of sophisticated lab equipments are done by the technicians of related owner enterprises. Library: 1. The requirement and list of books are taken from the concerned department and HODs are involved in the process. The finalized list of required books is approved and signed by the Principal. 2. Suggestion box is installed inside the reading room to take feedback. Their continuous feedback helps a lot for introducing new ideas to enrich library utilization. 3. 'No dues' from the library is mandatory for students before appearing in exam. 4. Other issues such as weeding out of old titles, schedule of issue/ return of books etc. are chalked out / resolved by the library committee. Sports: sports incharge is deputed for the maintenance of sports equipments. In the academic year 201819, students were participated in Cricket, Table tennis and intercollegiate championship. Computers: 1. Centralized computer laboratory was established to enrich the students' knowledge. 2. Each Department having appropriate computer for their requirements. 3. Internet and WIFI enabled campus. 4. Open access journals facilities are available. Classrooms: 1. The college has various committees for maintaining infrastructure. At the departmental level, HODs submit their requirements to the Principal regarding classroom furniture and

other. 2. Administrative officers will take incharge for student's academic requirements. Additionally: 1. There is a lab instructor in every department, who maintains the stock register by physically verifying the items. 2. Department wise annual stock verification is done by concerned Head of the Department. 3. Regular maintenance of Computer Laboratory equipments is done by Laboratory Assistant and they are headed by the faculty incharge. 4. Regular cleaning of water tanks, proper garbage disposal, pest control, landscaping and maintenance of lawns is done by the employees of the institute. 5. College campus maintenance is monitored through regular inspection. 6. Upkeep all facilities and cleanliness of environment in women's hostel is maintained through Hostel Monitoring Committee. 7. Outsourcing is done for maintenance and repairing of IT infrastructure such as computers, internet facilities including WiFi and broadband. 8. Software updating is done by lab assistants. 9. Outsourcing is done for the maintenance of wooden, furniture, electrification, and plumbing. 10. Regular maintenance of the water cooler and water purifier is done regularly.

http://vcenggw.ac.in/pdf/HR-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	Academic Excellence	35	1144000
Financial Support from Other Sources			
a) National	Scholarship	187	12800000
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 implemetation	Number of students enrolled	Agencies involved
Mentoring	19/06/2018	374	Internal faculty members
Remedial Coaching	30/06/2018	66	Internal faculty members
Language lab	19/07/2018	366	Centralized training placement cell English academy
Yoga, Meditation	11/09/2018	9	Annamalai University, Chidambaram
Soft skill development	23/02/2019	350	TCS Experts Mr.C.Parasuram Mr.D.Somaskandan
View File			

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

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Vetri IAS Coaching	39	39	0	0
2019	GATE/TANCET/ GRE/IELTS/TO FEL	94	94	0	0
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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
12	10	15

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
IDBI FEDERAL	16	14	AAGNA GLOBAL SOLUTIONS	86	54
View File					

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	2	BE.EEE, VCEW	EEE	VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN(AU TONOMOUS)	ME PSE
2019	1	B.TECH- IT,VCEW	IT	GRG SCHOOL OF MANAGEMENT STUDIES PSGR KRISHNAMMAL COLLEGE FOR WOMEN	MBA
2019	2	BE.ECE,VCEW	ECE	VIVEKANANDHA INSTITUTE OF INFORMATION &MANAGEMENT STUDIES	MBA
2019	1	BE.ECE,VCEW	ECE	VIVEKANANDHA	ME-VLSI

2019	2	BE.CSE,VCEW	CSE	VIVEKANANDHA INSTITUTE OF INFORMATION &MANAGEMENT STUDIES	MBA
2019	1	BE.CSE,VCEW	CSE	SATHYABAMA INSTITUTE OF SCIENCE &TECHNOLOGY	MBA
2019	1	BE.CSE,VCEW	CSE	GNANAM SCHOOL OF BUSINESS	MBA
2019	2	B.TECH-BT,VCEW	BIO-TECH	ANNA UNIVERSITY,TRICHY	M.Tech(BT)
2019	1	B.TECH-BT,VCEW	BIO-TECH	MYSORE UNIVERSITY,MYSORE	M.Tech(BT)
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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
GATE	1
[View File](#)	

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

Activity	Level	Number of Participants
Cricket	Inter College level	15
Volleyball	Inter College level	12
Competitions	Project Expo – Mega Science Expo	31
[View File](#)		

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
2018	Anna University Interzonal	National	1	0	15104047	P. Vanitha
2018	Anna University Interzonal	National	1	0	16104050	P. Shathya
2018	Anna University	National	1	0	16104037	V.Ponmanga yarkarasi

2018	Anna University Interzonal	National	1	0	17104023	N.Mounisha
2019	Nest Circket Cup	National	1	0	18104019	P.Maheshwari
2019	Nest Circket Cup	National	1	0	15104047	P. Vanitha
2019	Nest Circket Cup	National	1	0	16104050	P. Shathya
2019	Nest Circket Cup	National	1	0	16104037	V.Ponmangayarkarasi
2019	Nest Circket Cup	National	1	0	17104023	N.Mounisha

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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)

Association Members representatives (students) actively participate in various activities. They help in coordinating all the events related to academics, other cocurricular and Extracurricular activities, as per the directives of teaching faculty. Association members involve lot of academic administrative work by taking the help of other students. They also motivate other students to take part in the activities conducted by the Institute. They work as a medium between faculty and students. HoD and Faculty members provides necessary support to the Association members in organizing and coordinating the events. It encourages the students to develop their leadership skills through these activities. Student members in this council can become real heroes and competent managers in future by learning all these skills Our college creates a platform for the active participation of the students in the various academic administrative bodies including other activities. This empowers the students in gaining leadership qualities, rules, regulations and execution skills. Every department have class committee which includes students, faculty members, Head of the Department, Academic Dean to discuss about academic and other activities. The class committee members bring forward the views and suggestions of the entire class with respect to the faculty, subjects, syllabus and other things related to the class. The composition of every class committee student members is of one topper, one average and one slow learner (the one who has more integrity with other students) of each section are nominated as class representatives, for all the sections from I Year to Final Year. The Student committee helps students share ideas, interests, and concerns with lecturers and principal. They often also help raise funds for wide activities, including social events, community projects, helping people in need and college reform. Contribution of the Student Council in Academic Administration 1. Coordination in day to day academic activities at their level 2. Coordination in communicating the information between students and Teaching faculty 3. Coordination in conducting special events like Symposium, Guest Lecture, Conferences, etc. 4. Coordination in organizing Cultural events 5. Coordination in organizing Sports for the students 6. Coordination in arranging Industrial Visits for the students 7. Coordination in inviting the external guest speakers

and organizing the Seminars and Workshops. We have formed 7 student committees such as: 1. Library committee 2. Sanketika Literacy Cultural Committee 3. Department Exam Committee 4. College Academic committee 5. Discipline AntiRagging Committee 6. Sports Games Committee 7. Health Public Awareness Committee The funding for various activities of the internal college bodies is provided by the College Management.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni Association Name : Vivekanandha College of Engineering for Women Alumni Association Serial No. 34 / 2017 has been registered under the tamilnadu societies registration act, 1975 (Tamil Nadu Act 27 of 1975) at Namakkal. The Alumni Association/ Chapters (Registered and Functional) contributes significantly to the development of the institution through financial and non financial means during the last 5 years. The Sanketika Alumni Association has a robust mechanism. It acts as a bridge between the former students, current students and authorities. The institute regularly interacts with the Sanketika Alumni Association (SAA) and through it also organizes Alumni meet ones in a year and collects the addresses of the Employers through the feedback given by the Alumni. Events: • Technical Alumni Meet • Adoption of poor students • Blood Donation Camp • Donation of Clothes and Items to needy • Dinner gathering • Tea Meet • Creativity contests for students

5.4.2 – No. of registered Alumni:

6154

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

1.Alumni association has arranged a meeting for alumni on 22.12.2018 and 89 Alumni participated and shared their views about curriculum enrichment, demand in core companies etc 2.Alumni association has arranged a meeting for alumni on 14.03.2019 and 346 Alumni participated and interacted with final prefinal year students about the additional courses to be learn for their bright future

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. COE AUTOMATION SOFTWARE WITH RELATIVE GRADING SYSTEM The office of the Controller of Examination has all the facilities such as computer facilities, strong room and adequate staff to conduct the examinations and publish the results. Evaluation is on the basis of both continuous internal assessment and external end semester examinations. Using this web version software, the teacher can key in internal assessment and laboratory marks in to the central data bank at the Controller's office within a stipulated time. The components of the internal assessment (quiz, tests, term papers, assignment etc.) and their weight ages are published every year in the beginning of the year and the students themselves can compute their internal marks based on their performance. At the end of the semester, the internal marks are displayed so that the students can verify their marks. 2. ONLINE EXAM AND FEEDBACK Online examination system is used for conducting online objective test, the test will be customized such the system will have automated checking of answers based on

the user interaction. The project help the faculties to create their own test based on the subject and also we can conduct placement exams for placement students. Then for students we can make online assessment facility. This also helps the students to write Prelab and post lab exams for lab experiments.. Through this project student can give the feedback and suggestion about the session, subject etc. We can get feedback from the students in online regarding the lecturer's teaching. With this, the institutes can access the feedback reports in a faster way and without any loss of data. As of now this task was done manually with the use of papers and pens. This has many drawbacks and evaluating this hand written forms is a difficult process. Online examination system and feedback is very useful for all educational institutions. It safe the time and it automatically check the paper and prepare mark sheets, students can give exam without going to any physical destination. They can view the result. Thus the purpose of this project is to save the effort of the student and faculty.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Examination and Evaluation	GENERAL ASSESSMENT The students admitted under the programme are evaluated with continuous assessment (CA) and End Semester Examination (ESE). Continuous Assessment (CA): For the Theory courses, CA consists of a minimum of 2 quizzes, a minimum of 2 assignments and two term tests per semester. For the laboratory courses, assessments are done based on the performance of the student through pre – lab test, implementation and output and post – lab test. For Project /MiniProject courses, performance assessment are carried out in the final year in phase one and phase two. Each and every review is focused in attaining the program outcomes. The direct assessment based on marks obtained by the individual student is then mapped with POs PSOs through COs. End Semester Examination (ESE): End Semester examination is a metric for assessing whether the COs are attained or not. Examination is more focused on attainment of course outcomes using a descriptive exam.
Curriculum Development	The development of the curriculum has been carried out with a prime focus on improving confidence, ethical behavior, oral and written communication, employability, interdisciplinary learning, industry oriented learning, analytical skills, problem solving

	capacity and soft skills of students enrolled for the program. The current needs of the industry and society are assessed and the draft Curriculum is designed by the Head of the Department and faculty members of the department by taking into account the feedback reports given by the various stakeholders (particularly from industrialist, academician and alumni). The IIT's, Anna University, leading Indian and Foreign Universities and reputed Autonomous college's model syllabi are referred for curriculum and syllabi development through Board of Studies (BoS).
Teaching and Learning	1. The faculty of department adopts various innovative Teaching Learning methodologies to create the best learning environment for student. These methodologies include traditional black board teaching, power point presentations, video lecturing. 2. Students are initiated and motivated for group activities such as group discussion, seminars, quiz etc. Individual improvement is also emphasized and assessed. Videos are shown to improve the teaching learning process. 3. All the faculties are bound to maintain Individual Log Books (Attendance details, Course plan Record of Class taken) and course files. 4. Industrial visits are conducted at least once a semester to reduce the gap between industry and institute.
Research and Development	The Research Committee of the college encourages and motivates the teachers to take up research projects and fosters a culture of research among students and staff. Faculty members are encouraged to pursue research by providing them the facilities like individual system, WiFi connection, digital library, equipment's and laboratory. Faculties are allowed to avail special leave to attend the seminars, research activities etc., Most of the faculties are engaged for Ph.D. publication of research articles in National International Journals. Institute encourages the innovations among students by providing them incubation facilities.Consultancy project entitled as "Dedicated OS Development for Hospitals Based on RP" has been initiated in this academic

	year.
Human Resource Management	Institute has mechanism of notification of regular posts and conduct interviews. The institution recruits faculty members and staff based on the guidelines provided by the affiliated university. Adequate number of qualified teaching and supporting staff are appointed through codified procedures of open advertisement, demonstration interview by Expert committee. Apart from this, whenever deserving candidate approaches the Institute conducts interview and offers suitable position. The recruited faculties are deputed to undergo faculty development program to enhance the Teaching Learning Process.
Industry Interaction / Collaboration	Faculty and students are given ample scope for study tour, signed MoUs with industries for better exposure through close interaction. It understands the need of industry and accordingly offers the additional programs as value added courses for students. Designing of industry based curricula and syllabi. Students and faculty are empowered with industrial knowledge. By strengthening the interaction with industry through Inplant training, industrial visits, projects, consultancy, value added courses, professional certification courses, guest lectures etc. International seminar, conferences and symposiums are conducted with international delegates periodically.

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

E-governace area	Details
Examination	Controller of Examination Automation Software With Relative Grading System
Planning and Development	Online Exam and Feedback

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	A.Muthukumara Pandian	Recent advancement in Chemical Engineering	Nil	2000

2018	A.Muthukumara Pandian	Recent advancement in Chemical, Environmental Energy Engineering	Nil	3000
2018	A.Muthukumara Pandian	How to get your research published in high impact (Q1) journals	Nil	600
2018	M.Vijaya Pradap Singh	Teaching Learning Process	Nil	2500
2018	P.Jeyavel Karthick	Curious Programme	Nil	1000
2018	S.Jeevitha	PAL's Residential students workshop	Nil	1500
2018	S.Srinivasan	International conference on Innovations and Research in Marine Electrical and Electronics Engineering ICIRMEEE 2018	Nil	3500
2018	Johny Renoald	International conference on Innovations and Research in Marine Electrical and Electronics Engineering ICIRMEEE 2018	Nil	3500
2018	S.Kokila	Workshop on Image Processing using MALAB	Nil	1700
2018	R.S.Mathubala	Workshop on Image Processing using MALAB	Nil	1700
2018	S.Balakrishnan	ICAARS2018	Nil	3500
		[View File](#)		

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional	Title of the administrative	From date	To Date	Number of participants	Number of participants

	development programme organised for teaching staff	training programme organised for non-teaching staff			(Teaching staff)	(non-teaching staff)
2018	Two Days Hands on Workshop "Power of Python in Current IT Industries "	Nil	16/08/2018	17/08/2018	16	0
2019	CIITE Sponsored International Seminar on "Cyber Security and Ethical Hacking"	Nil	04/03/2019	07/03/2019	11	0
2018	Nil	Capacity Building	29/12/2018	29/12/2018	0	45
2018	Nil	Training on Lab Equipment Servicing	29/10/2018	30/10/2018	10	15
2018	FDP on Graphical System Design in Engineering Application using LAB VIEW	Nil	12/11/2018	14/11/2018	30	5
			[View File](#)			

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Faculty Development program on "Introduction to PHP Programming	3	28/09/2018	29/09/2018	6
Faculty Development program on Introduction to	2	20/12/2018	21/12/2018	6

Mobile App Development				
Faculty Development Program on "Introduction to Python Programming"	2	23/11/2018	24/11/2018	6
Faculty Development Program on "Introduction to python programming	1	25/02/2019	26/02/2019	6
Faculty awareness program on "Salesforce Essentials for Business Specialists"	1	29/11/2018	01/12/2018	5
Faculty Development Program on "Team Building"	1	25/06/2018	26/06/2018	6
Faculty Development Program on Machine Learning Using Azure	1	10/12/2018	15/12/2018	5
Faculty Development Program on Exploring Deep Learning"	1	12/11/2018	13/11/2018	6
Building Energy Analysis and its Associated Challenges	1	20/12/2018	20/12/2018	6
Technological Progress and Challenges in Smart Grid Integration with Distributed Generation	2	01/02/2019	02/02/2019	6
Emerging Advancements in Smart Material Applications	2	21/02/2019	22/02/2019	6
Faculty Development	3	18/07/2018	19/07/2018	5

program on "Emotional Intelligence"				
Faculty Development Program on "Decision Making Skills"	1	15/11/2018	16/11/2018	6
Two Week Faculty development Training Programme on Computer Architecture	3	01/12/2018	14/12/2018	5
FDP on Introduction to Big Data Analytics	2	18/02/2019	19/02/2019	5
Faculty awareness program on "Leading towards Excellence in Teaching"	13	19/07/2018	19/07/2018	7
Faculty Development Program on "How to write project Proposals"	1	06/10/2018	06/10/2018	6
Faculty Development program on "Introduction to R Programming"	2	27/11/2018	28/11/2018	5
Energy Auditing Equipments and its application	3	22/02/2019	22/02/2019	7
Emerging Advancements in Smart Material Applications	2	21/02/2019	22/02/2019	6
Technological Progress and Challenges in Smart Grid Integration with Distributed Generation	2	01/02/2019	02/02/2019	6

Faculty Development program on Creative Thinking	2	29/10/2018	30/10/2018	5
Faculty Development program on "Emotional Intelligence	3	18/07/2018	19/07/2019	6
QIP on advanced in Genetic Engineering and Transgenic Technology	1	25/06/2018	29/06/2018	5
Emotional Intelligence – ICT Academy	2	18/07/2018	19/07/2018	6
Quality Improvement Programme on Recent Advances in RNA Biology	1	03/12/2018	07/12/2018	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
19	19	3	3

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Staff Welfare Club	Staff Welfare Club	Anti Ragging Committee, Vishaka Committee SC/ST Welfare Scheme

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The finance committee, Vivekanandha College of Engineering for Women constituted and headed by the Principal consisted with Anna University nominee and the two faculty members as the finance committee members. The finance committee always caters and cares the needs of financial supports and aids for the curricular, co curricular activities and infrastructural development. The finance committee meeting is conducted twice in an academic year regularly by the members. The budget and the utilization will be discussed and finalized in the meeting with the approval of Academic council and Governing council.

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
Angammal Educational	10000	Real time detection of

| Trust | | nitrate in soil and water for agriculture desires project |
| View File |

6.4.3 – Total corpus fund generated

| 57042189 |

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Professors from other institutions	Yes	IQAC and CoE
Administrative	Yes	Stock Verification from other sister institutions	Yes	Stock Verification by internal faculty members (Inter Department Verification)

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

| Nil |

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

| 1. Development programme on Capacity Building for supporting staff organized on 29.12.2018. 45 supporting staff was benefited 2. Training programme on Lab Equipment Servicing for supporting staff organized on 29.10.2018 30.10.2018. 10 Teaching 15 supporting staff was benefited |

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

| 1. Involved in Autonomous renewal process and successfully obtained extension for next five years 2. Involved in NBA Tier1 Accreditation process and 4 departments (BT, CSE, IT, EEE) obtained for 3 years 3. Involved in quality improvement activities such as participating in NIRF rankings and various branding activities and got Top 20 Promising Education Institues in Tamilnadu 2018 award from Higher Education Review Magazine and Best Women Engineering College in India 2018 by ISTE |

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	Leading Towards	19/07/2018	19/07/2018	19/07/2018	67

	Excellence in Teaching				
2018	Engineers Day	29/09/2018	29/09/2018	29/09/2018	1500
2018	Faculty Induction Programme	15/06/2018	15/06/2018	15/06/2018	20
2018	Quality Academic Process	23/06/2018	23/06/2018	23/06/2018	107
2019	Question paper setting by using various knowledge levels for Continuous Assessment	19/01/2019	19/01/2019	19/01/2019	42
2019	Faculty Development Programme	15/02/2019	15/02/2019	15/02/2019	91
2019	Faculty Motivation Programme for NBA accreditation	30/05/2019	30/05/2019	30/05/2019	95
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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
Cyber Security and Ethical Hacking	04/03/2019	07/03/2019	74	0
Entrepreneurship Awareness Program	29/06/2018	29/06/2018	75	0
How Industrial Expert to Getting Placement	27/12/2018	27/12/2018	85	0
Hands on Training on Home Appliances	02/03/2019	02/03/2019	75	0
Nurturing the graduates on	07/07/2018	07/07/2018	65	0

industry readiness				
Entrepreneurship Opportunity Utilizing Rural Resource	19/09/2018	19/09/2018	167	0
Cultural fest	18/03/2019	19/03/2019	1400	0

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
• Awareness is created among the students and staff on energy conservation • Guidelines to switch off all the electrical utilities whenever and wherever they are not required is circulated • The buildings are fitted with glass windows for maximum utilization of natural light • The Institution has widespread arrangements for power distribution with a Substation, Control panel and Power room • 95 of CRT monitors are replaced with LCD monitors

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	250
Ramp/Rails	Yes	450
Rest Rooms	Yes	15

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	6	0	01/03/2018	6	AWARENESS PROGRAMME FOR AIDS	Caution and treatment for aids	65
2019	7	1	01/03/2019	6	AWARENESS ABOUT PLASTIC USAGE	Issues methods to reduce plastic usage	57

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
No Data Entered/Not Applicable !!!		

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
NSS Orientation Programme	15/11/2018	15/11/2018	60
Cancer Awareness Programme	09/02/2019	09/02/2019	120

| World Wetland Day Activity | 02/02/2019 | 02/02/2019 | 107 |

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

1.Energy Conservation 2.Use of Renewable Energy 3.Rain Water Harvesting 4.Efforts for Carbon neutrality 5.Plantation/Green Drives 6.Hazardous Waste Management and eWaste Management

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Review of Answer Scripts All the students are allowed to review their valued answer scripts with the faculty incharge of the course on the specified date. Any discrepancies in the valuation can immediately be brought to the notice of the Controller of Examinations. Relative Grading System: In relative grading system, the grades are awarded to the students based on their performance relative to the other in the class. Rainwater harvesting and its utilization inside the campus Rain water harvesting is very important to manage with water scarcity issue due to massive population of students inside the campus. To compensate with the water usage and its consumption, our campus consist of rainwater harvesting plant. It is resides at the corner of campus. As it is in the slight lower area, rain water collected throughout the campus can directly stored in our rain harvesting plant. It doesn't require any specific pipeline facilitates to collect the water. During the rainy days, rain water is directed to that harvesting plant and stored that can be utilized for remaining days. Thus, rain water harvesting plant of our college is very useful. Free Transport to the Day Scholar Students and Faculty Members Free Transport service is rendered and all students should travel only by the college bus Students who travel by college bus should produce the free bus pass on demand. Free pass will be given for one bus and particular stop only They should keep the ID card in their safe custody Students who do not travel by college bus should sign in the main gate register while entering and leaving the college The Day scholars should obtain VISITORS PASS from the office and the parents will be allowed only with the pass Visitors should sign and collect the entry pass at the gate Our college transport offers secure and safety journey of students from home to college. Our college offers this well organized transport buses to 5 districts across the Namakkal. Free transport facility for day scholar students is the added advantage to bring out rural women to college and create opportunity to educate them. During monthly holidays, special buses for hostel students are running throughout Tamilnadu to take them to their native. Our college buses are having GPS tracking facility to know about the exact location of the bus. Our campus having electric car to roam in and around the campus. Also emergency vehicle such as cab and ambulance are available for both Hostelers and Day scholars.

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

http://vcenggw.ac.in/coe_rules.html

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

Vision: Transform the women community through excellence in Technical Education, Community empowerment and Entrepreneurial progress with sustained Environmental protection. Mission: ? To attain Academic brilliance through innovative learning practices ? To inspire self confidence among rural students by enhancing with cocurricular and extracurricular activities ? To indoctrinate

decorum, values and virtues among students ? To ascertain centers for Institute Industry partnership ? To expand financial assistance for the economically, socially weaker sections and parentless children ? To provide skill development and entrepreneurial opportunities ? To sustain Ecofriendly Green Practices ? crafting innovatively modernized industrial training hubs Values: We strive for excellence in all domain in order to inspire our students and focus on students achievement and contentment and fulfilling the needs of the community. We take pride in the quality of our students and organization. Our Students are trained to face global challenges.293 students are placed in various reputed Companies.The project ideas of our students are converted to research paper and published in national and International journals. We have submitted many project proposals and received fund from government agencies .As per Anna University ranking for results our college secured first position among 30 Autonomous colleges in Tamilnadu.

Provide the weblink of the institution
http://vcengqw.ac.in/abt_vision.html

8.Future Plans of Actions for Next Academic Year

 Plan of action for next academic year 1. Now 75 percent of class rooms are having LCD projector facility and planning to make it 100 percent 2. Add two more smart class rooms (currently we have 2 smart class rooms) 3. Increase two centre of excellence in the domain of Biotech, Cloud, Artificial Intelligence and Networking 4. Introduce one new UG course and one PG course under BioTechnology 5. Increase ebooks to 100/department 6. Attain NIRF rankings Top 50 within Tamilnadu state 7. Enhance and improve Outcome Based Education (OBE) 8. Attain NBA for all PG courses and NAAC with A or higher grade 9. Introduce 2 industrial collaborated courses per department 10. Initiate Leadership course in curriculum 11. Increase UG admission to 85 percent , Lateral Entry admission to 7 percent and PG admission to 75 percent and improve the average cutoff marks for admission to 130/200 12. Achieve 80 percent placements in reputed MNCs and Core companies 13. Motivate minimum of 100 students to appear for GATE examinations and 20 to get qualified 14. Produce 10 entrepreneurs per year 15. Increase institutional fee concession for economically backward students to 9 percent from 7 percent 16. Increase faculty average experience to 6 years, faculty student ratio to 1:12, and attrition rate to 12 percent 17. Faculty publication in reputed journals per department should be increased to 70 percent 18. Number of Ph.D., faculty will be increased to 35 percent 19. Motivate 2 faculty/department/semester to undergo industrial training and faculty from industry to deliver expert lectures will be increased to 5/department/year 20. Motivate all PG students to publish their article in journal or conference 21. Motivate all students to register for online courses 22. Placement training for all students for minimum of 15 days/year 23. 2 value added courses per department will be introduced 24. 1 village has to be adopted under UBA scheme (already 5 villages have been adopted) 25. Zonal level winner in sports 26. Alumni association will be organized 2 per year with 2 local chapters 27. 1 new Foreign language training will be given to interested students (already Japanese language training has been given) 28. Minimum 50 students should clear UPSC and Banking exams 29. Minimum 10 new funded projects (10 to 15 lakhs) should be applied 30. 3 new MoUs / department should be signed with industries and other institutions/universities 31. 3 funded seminar/workshop/fdp should be organized 32. 5 patents/copyrights should be applied 33. 2 new research centres and 1 technology incubator has to be started 34. 3 consultancy activities / department is targeted