



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	VIVEKANANDHA COLLEGE OF ENGINEERING FOR WOMEN
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	Sathiyanaickenpalayam Village, 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.	8056977124																		
Registered Email	iqac@vcew.ac.in																		
Alternate Email	santhoshkumar@vcew.ac.in																		
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	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	http://vcenggw.ac.in/aca_cal.html																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B++</td> <td>2.82</td> <td>2017</td> <td>19-Jul-2017</td> <td>18-Jul-2022</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B++	2.82	2017	19-Jul-2017	18-Jul-2022
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	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															
Faculty Induction Programme by Academic		03-Jun-2019 6		15															

Advisor, Principal, Dean Academic, Vice Principal & all HoDs		
Faculty Awareness Programme on Information services from INFLIBNET by Mr.Raja Visvanathan, Scientist-B (Computer Science), INFLIBNET Centre, University Grant Commission, Gandhinagar, Gujarat	08-Jun-2019 4	87
Engineers day	17-Sep-2019 6	1560
Technical Leadership Development Programme by Dr.KCK.Vijayakumar, Principal	31-Oct-2019 3	20
Awarness Programme on Outcome Based Education by Dr.L.Malathi, HoD/CSE & Mr.D.Santhosh Kumar, IQAC Deputy Coordinator	19-Nov-2020 6	52
Awarness Programme on Outcome Based Education by Dr.L.Malathi, HoD/CSE & Mr.D.Santhosh Kumar, IQAC Deputy Coordinator	25-Jan-2020 6	55
Faculty development Programme on Outcome based Education and Curriculum Design by Ms.A.S.Renuga devi, AP/CSE, Mr.T.Manikandan, AP/ECE & Ms.S.Sreemanjari, AP/EEE	06-Mar-2020 6	107
External Academic Audit by Dr.U.S.Raghupathy, Dr.Baskar & Dr.Shanthi, Professor(s), Kongu Engineering College	25-Sep-2019 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	Star Certificate	MHRD & AICTE	2019 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)

1. Involved in NBA Tier1 Accreditation Process and 4 departments (BT, CSE, IT and EEE) obtained NBA Accreditation for 3 years (01.07.2019 to 30.06.2022). 2. Organized quality improvement awareness programs for faculty members through FDP, Induction Programs, external academic audit. For students Engineers day was celebrated to collect technical ideas and converting ideas to projects and products. 3. Participated in NIRF rankings 4. Involved in various enhancing activities and ranked 172th position among Engineering Colleges in India by India Today rankings 2020, ranked 160th position among Private Engineering Colleges in India by The Week Magazine, ranked 88th position among Engineering Colleges in India by Deccan Chronicle Magazine and received AICTE certificate of Appreciation for contributed in Jal Shakti Abhiyan

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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
Improvement in Industry Institute Interactions	• Students Project Awards by industries: 05 • Number of Industrial projects undertaken: 23 •Number of Visits to the Industry by faculty: 20
Establishment of Center for Excellence	Center for Excellence has been established in the field of robotics and artificial intelligence in association with skyfilabs Bangalore, to provide hands on training, workshops and internships.
Inviting experts and Industrialists for guest lectures and interactions	Total number of Industry person who visited the college during the Academic

	year 2019-2020: 42
Green Campus Initiatives	Electric Vehicle is used inside the campus to avoid the pollution, usage of plastics was banned inside the campus, Rain water harvesting, Power consumption was reduced by introducing Solar panels at hostels and LED lamps at college premises
To get funding for organizing conferences	Grant Rs.5,00,000/- received for Organizing National conference during AY 2019-20. Title of the conference: Internet of Things, Artificial Intelligence and 3D Printing dated: 06.12.2019
NBA accreditation for all eligible UG courses	Out of 5 UG eligible programmes , 4 UG programmes (CSE, IT, BT, EEE) got accredited, 1 UG programme (ECE) is preparing SAR
Introduction of new programmes	planned to introduce two new UG programmes B.E - BioMedical Engineering and B.E - Computer Science and Technology from the AY 202021.
Encouragement of Faculty Members to involve in Research and Development activities	<ul style="list-style-type: none"> • Total Number of Funded Projects (Ongoing): 03 • Total Grant Received during the AY 2019-20: Rs.4,30,000/- • Total Number of Project Proposals Submitted to Funding Agencies during AY 2019-20:11 • Revenue generated from Consultancy during AY 2019-20: Rs.95,000/- • Publications in quality journals was increased from 113 (AY: 2018-19) to 132 (AY: 2019-20)
Encouragement of students for participation in co-curricular and extra curricular activities	Total number of Students participated in Symposium, Seminars and Workshops during the AY 2019-20: 828
Enhancement of Laboratory Infrastructure	Department of ECE sanctioned with Rs. 16,16,000/ under AICTE MODROBS scheme during AY 201819 and Rs.12,92,800/ was released as first payment during AY 201920 Title: Modernization of Microwave and Wireless Communication Engineering Laboratory
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Tenth Governing Body Meeting	29-Feb-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to	Yes
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assess the functioning ?	
Date of Visit	28-Jun-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	01-Feb-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	Developed our Management Information System for maintaining faculty and student database through online portal. It is a web based application that can be accessed from anywhere. It covers student profile, online course registration, online exam for lab courses (prelab test and postlab test), online quiz for theory courses, student bonafide certificate, Transfer Certificate generation and student dashboard. Students feedback about Infrastructure, faculty, Teaching and Learning process are done through this online software. On the faculty side it supports course allotment, internal mark entry, CO attainment, PO attainment, maintaining students attendance and faculty profile. A separate software is developed for Controller of Examination Office for all COE automation work starting from course exam registration, Hall Ticket generation, grade calculation till printing of mark sheets. Online fee payment is possible through this software. Now Software development cell is working for stock updation and complete LMS.

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	20/07/2019

BE	102	Electrical and Electronics Engineering	16/07/2019
BE	103	Electronics and Communication Engineering	27/07/2019
BTech	104	Information Technology	27/07/2019
BTech	105	Biotechnology	12/07/2019
ME	201	Computer Science and Engineering	20/07/2019
ME	202	Power Systems Engineering	16/07/2019
ME	205	VLSI Design	27/07/2019
Mtech	204	Information Technology	27/07/2019
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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 Engineering	20/07/2019	Communication Skills Laboratory - U19EN301	20/07/2019
BTech	Information technology	27/07/2019	Project work- U19IT828	27/07/2019
BTech	Bio technology	12/07/2019	Internship Training and summer projects- U19BT729	12/07/2019
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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
BTech	Biotechnology	12/07/2019
BTech	Information technology	27/07/2019
BE	Electronics and Communication Engineering	27/07/2019
BE	Electrical and electronics engineering	16/07/2019
BE	Computer science and engineering	20/07/2019
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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
BE	CBCS implemented from the academic year 2015-16 onward	Nil
BTech	CBCS implemented from the academic year 2015-16 onward	Nil
ME	CBCS implemented from the academic year 2015-16 onward	Nil
Mtech	CBCS implemented from the academic year 2015-16 onward	Nil

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
Java	04/03/2020	96
Python 3.4.3	04/03/2020	7
Android Application Development	09/03/2020	50
Spirulina Cultivation	24/02/2020	44
Data Science and Big Data Analytics	13/12/2019	33
Enterprise Mobile Application Development and Deployment using IBM Work light	24/06/2019	34
matlab	17/02/2020	150
Internet of things and its applications	12/12/2019	112
signals and systems	10/06/2019	65
computational tools in bio technology	03/03/2020	44
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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	114
BE	Electronics and Communication Engineering	163
BTech	Information Technology	56

BTech	BioTechnology	92
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>Feedbacks are obtained from currently studying students, Alumni, Teachers, Parents and Employers on a regular basis and utilized for the development of the institution. The currently studying students are encouraged to give feedbacks through a structured questionnaire designed with focus on teaching - learning process and administrative process. Teacher who has lower feedback score will be advised by Dean - Academic and Principal to improve their academic performance. Feedbacks from the teachers are obtained and analyzed by the Dean - Academic and Principal. If teacher is in need of any teaching aids and infrastructural facilities, that will be provided immediately in order to improve the knowledge transfer process. Feedbacks from parents are obtained in the parent teacher meet. The attendance, results and other related information of each student is shared with the parents to make them to know the academic progress of their ward. Feedbacks are obtained from alumni and from the companies for suggestions in the curriculum towards industrial requirements and improvements in the placement recruitment process. Further, all the collected feedbacks are grouped into two categories by IQAC based on academic and administrative points. based on the categories they are discussed and implemented through appropriate statutory bodies.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
MBA	Master of Business Administration	30	26	15
Mtech	Information Technology	18	13	9
ME	Power Systems Engineering	18	15	8
ME	VLSI Design	24	6	2
ME	Computer Science and Engineering	18	14	8
BTech	Information Technology	60	76	60

BTech	BioTechnology	60	82	59
BE	Electrical and Electronics Engineering	120	124	80
BE	Electronics and Communication Engineering	120	135	113
BE	Computer Science and Engineering	120	142	125
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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
2019	1527	71	117	5	35

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
157	157	32	32	5	100

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

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

A successful student mentoring system has already been implemented in our institution. A faculty is assigned as a mentor to the group of 15 students for their holistic development and the mentor maintains individual record for their mentees. They provide both professional and personal advice and further give constructive feedback on writing, teaching and other elements of career design. Mentors also help students to balance professional goals with their personal life and give emotional encouragement during challenging times. The mentors identify and help the students to mitigate social, psychological and other issues faced by students and refer them to experts if required. The mentors also make the students identify their strengths and weakness and take necessary remedial action. With steady observation of overall performance of the students, mentor provides counseling and interacts with parents whenever required. Number of students per mentor (faculty): 15 students. Frequency of meeting: Scheduled once in a week and also need based. Number of Faculty Advisor: 2 per class From the date of joining to till their graduation, the students are taken care by this Mentor- Mentee system. A complete record of Academic, Co-curricular, Extra-Curricular achievements, Social activities and the details of Parent Interaction of each student is maintained by the respective mentor. If significant changes are observed in any individual student's behavior then the mentor interacts with the student in person. Mentors should submit the register to the high level mentoring with members like Head of the Department/Institution if required. The mentor will have discussions with the Parents and Medical Counselor if required.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
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1598

157

1:10

2.4 – Teacher Profile and Quality**2.4.1 – Number of full time teachers appointed during the year**

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
157	157	Nil	30	40

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
2019	Dr K Thenmalar	Professor	Dr.A.P.J.Abdulkalam Young Researcher Award
2019	Mr.D.Santhoshkumar	Assistant Professor	"RULA" Award IJRULA International Journal for research under literal access
2019	Ms.K.Mariyammal	Assistant Professor	Most Promising Educators in higher education across india by ULetkz Wall of Fame

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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	202	Odd Semester	23/12/2019	10/01/2020
ME	201	Odd Semester	23/12/2019	10/01/2020
BTech	105	Odd Semester	23/12/2019	10/01/2020
BTech	104	Odd Semester	23/12/2019	10/01/2020
BE	103	Odd Semester	23/12/2019	10/01/2020
BE	102	Odd Semester	23/12/2019	10/01/2020
BE	101	Odd Semester	23/12/2019	10/01/2020
Mtech	204	Odd Semester	23/12/2019	10/01/2020
ME	205	Odd Semester	23/12/2019	10/01/2020
MBA	301	Odd Semester	23/12/2019	10/01/2020

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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
Nil	1582	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://vcengg.ac.in/ug_cse.html

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
101	BE	Computer Science and Engineering	110	110	100
102	BE	Electrical and Electronics Engineering	111	111	100
103	BE	Electronics and Communication Engineering	109	108	99
104	BTech	Information Technology	56	56	100
105	BTech	BioTechnology	55	55	100
201	ME	Computer Science and Engineering	10	10	100
202	ME	Power Systems Engineering	11	11	100
203	ME	Applied Electronics	2	2	100
205	ME	VLSI Design	8	8	100

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2.7 – Student Satisfaction Survey

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

https://vcew.ac.in/student_satisfaction_survey.php

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
View File

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
Nil	NIL	NIL	Nil	NIL
No file uploaded.				

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
Any Other (Specify)	6	FDP-ANNA UNIVERSITY	0.3	0.3
Minor Projects	365	Asset Management System Software	1	0
Minor Projects	365	OBE Software Updation	1	0
Any Other (Specify)	12	AICTE-QIS-STTP	1.96	1.96
Projects sponsored by the University	365	TNSI	1	1
Major Projects	730	AICTE	16.16	12.92
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.026

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
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TNSCST sponsored Seminar on Filing of Intellectual Property Rights (IPR)	Computer Science and Engineering	19/12/2019
18 Steps to become an Entrepreneur Schemes of MSME	MBA	14/11/2019
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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
Automatic Gravy and Semi-Gravy making Machine-Mr.Chef	Ms.T.Elakkiya	TNSI	01/06/2020	Student
Design of fuzzy logic controller using solar powered BLDC motor for water pumping system	Mr.D.Santhosh kumar	RULA AWARDS IJRULA International Journal for Research Under Literal Access	15/08/2019	Research
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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 Centre	Vivekanandha Business Incubation Centre	MHRD	Innovation Startup centre	Vivekanandha Innovation Centre (VIC)	16/12/2019
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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
Computer Science and Engineering	2
Electrical and Electronics Engineering	1
Biotechnology	1
English	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	Computer Science and Engineering	18	3.3
International	Electrical and Electronics Engineering	1	Nil

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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
computer science engineering	11
BioTechnology	7
Science and Humanities	2

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Automated Mirror Adujustment system using tilt sensor	Filed	20201011272	11/04/2020
Automated food freshness detection using feature deep learning	Published	2020100953	05/06/2020
Failure prediction and prevention manufacturing industry equipments and process using Digital twins modelling	Published	202041017824	24/07/2020
Sensor based system and method for automatic mirror adjustment in vehicles	Published	202011015819	15/05/2020
Design of an Autonomous Mobile Robot using Sensor Fusion for Dynamic Interaction	Published	202041000376	10/01/2020
System and Method for Evaluating Packet Detection Attack (PDA) For Improving a Delivery Ratio	Published	202041050708	12/04/2020

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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
NIL	NIL	NIL	Nil	0	NIL	Nil

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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
Enhancement of Security using Optimizer DOS Detection Algorithm for Wireless Sensor Network	N.M Saravana Kumar	Soft Computing	2019	Nil	Nil	Vivekanda ndha College of Engineering for Women
Green Synthesis of Titanium dioxide Nanoparticle and its Anticancer Activity against MDA mb 231 Cancer Cell line	M. Rajamehala	International Journal of All Research Education and Scientific Methods (IJARESM)	2020	Nil	Nil	Vivekanda ndha College of Engineering for Women
A Review on Bioplastic production - A Need to the Society	S. Chozh avendhan	International Journal of Pharmaceutical Sciences Review and Research	2020	Nil	Nil	Vivekanda ndha College of Engineering for Women
Review : Botanical Pesticide an Ecofriendly approach	K. Gilbert Ross Rex	International Journal of Mechanical and Production Engineering Research and Development	2020	Nil	Nil	Vivekanda ndha College of Engineering for Women
Hybrid ant colony optimization model for image retrieval	R.Vinoth kanna	Computers and Electrical Engineering	2019	1	2	Vivekanda ndha College of Engineering for Women

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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	Nil	91	145	100
Presented papers	21	71	87	62
Resource persons	Nil	25	5	Nil

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Electrical and Electronics Engineering	Thrust Power Generation In National Highways	Zentronics Manufacturing Company	675000
Electronics and Communication Engineering	Self Generative Radio Networks with Power Control	Electro Solar Solutions	950000

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

Name of the Consultant(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
0	0	Nil	0	Nil

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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
Youth/Red Cross Club	Vivekanandha College of Engineering for Women	1	100
NSS -7 programmes	Vivekanandha College of Engineering for	1	50

Women

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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
0	0	0	Nil
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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 activities	Number of students participated in such activities
Unnat Bharat Abhiyan	Vivekanandha College of Engineering for Women	Dengue Awareness Programme	6	50
Unnat Bharat Abhiyan	Vivekanandha College of Engineering for Women	Eye Check up camp Programme	6	50
Unnat Bharat Abhiyan	Vivekanandha College of Engineering for Women	Dengue and Corona Virus Awareness Programme	7	55
Unnat Bharat Abhiyan	Vivekanandha College of Engineering for Women	Mushroom Cultivation	6	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
0	0	0	0
No file uploaded.			

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 linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industry	Internship	Zool Technologies, Bangalore	02/05/2019	03/06/2019	1
	Project	NIT,	20/01/2020	20/03/2020	6

Institution		Trichy			
Institution	Project	IISC, Bangalore	20/01/2020	20/03/2020	6
Industry	Internship	Tamilnadu Paper Limited, Karur	20/01/2020	20/03/2020	10
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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
AICTE Internshala	24/06/2019	Internship	56
Seshasayee Paper and Boards Ltd, Pallipalayam, Namakkal	27/08/2019	Internship, In-plant Training, Industrial Visit, Guest Lecture, Consultancy work	150
TNSCST	16/09/2019	Technology demonstration and dissemination	18
View File			

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
410	356.28

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
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
Video Centre	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
View File	

4.2 – Library as a Learning Resource

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

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

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	36197	10732336	263	179083	36460	10911419
Reference Books	368	1613237	21	107592	389	1720829
e-Books	390	13570	177	72216	567	85786
Journals	55	130407	24	95974	79	226381
e-Journals	1771	13570	2945	190395	4716	203965
Digital Database	8000	Nill	2083	Nill	10083	Nill
CD & Video	3450	Nill	947	Nill	4397	Nill
Library Automation	1	46890	Nill	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	Platform on which module is developed	Date of launching e-content
K.Hariprasath	Access Specifiers Class and Objects	Video	14/02/2020
E.Menaka	Specification of Tokens And Recognition of Tokens	Video	14/02/2020
P.Rajasekaran	Sample of subset	Video	20/03/2020
A.Suganya	Vitamins B12 production	Video	03/09/2020
B.Goutham	Robotics and Automation - History of robotics	Video	18/01/2020
D.Santhosh Kumar	Control systems- Root locus	Video	02/04/2020

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	865	13	64	1	1	1	6	64	0
Added	65	3	0	0	0	0	0	0	0
Total	930	16	64	1	1	1	6	64	0

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

64 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Smart Class Room with Audio Video Recording facilities	http://vcengg.ac.in/dept_it_econtent.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 incurred on maintenance of physical facilities
98.1	91.66	311.9	264.62

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 resources 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 equipment 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 the 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 equipment. In the academic year 2018-19, students participated in Cricket, Table tennis and intercollegiate championship. Computers: 1. Centralized computer laboratory was established to enrich the students' knowledge. 2. Each Department has an 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 of 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 the concerned Head of the Department. 3. Regular maintenance of Computer Laboratory equipment 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 of all facilities and cleanliness of the environment in women's hostels is maintained through the 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. Library - http://vcenggw.ac.in/campus_library.html College rules- http://vcenggw.ac.in/abt_rules.html COE - http://vcenggw.ac.in/coe_regulations.html IQAC - http://vcenggw.ac.in/aca_iqac.html Admission - http://vcenggw.ac.in/adm_procedure.html HR - <http://vcenggw.ac.in/pdf/HR-Policy.pdf>

<http://vcenggw.ac.in/index.html>

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	Cut off Concession	110	1870000
Financial Support from Other Sources			
a) National	Government Scholarship	927	19187570
b) International	Nil	Nil	0
View File			

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 - Interview Tips, Resume Building Motivation	17/06/2019	810	Centralized placement cell
Language lab	17/06/2019	400	English academy
Personal Counselling Mentoring	14/06/2019	1459	Vivekanandha College of Engineering for Women
Bridge courses	01/08/2019	361	Vivekanandha

			College of Engineering for Women
Remedial Coaching	01/08/2019	238	Vivekanandha College of Engineering for Women
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 passed in the comp. exam	Number of students placed
2019	Career Guidance	575	575	30	Nil
2019	Gate Coaching	210	210	1	Nil
2019	Public Service Exam Coaching	118	118	Nil	Nil
2020	TANCET/ GRE/IELTS/TOFEL Coaching	575	575	29	Nil
View File					

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
Nil	Nil	Nil

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
MITSUBASHI	53	42	ATOS SYNTEL	87	9
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	Department graduated from	Name of institution joined	Name of programme admitted to
2020	1	BE	Electronics	PSNA College of	MBA

			and Communication Engineering	Engineering and Technology	
2020	4	BTech	BioTechnology	karunya university	MTech
2020	4	BTech	Information Technology	Vivekanandha College of Engineering for Women	MTech
2020	1	BTech	BioTechnology	Texas University	Graduation Course in Biology Program
View File					

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
GRE	1
Any Other	28
View File	

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

Activity	Level	Number of Participants
THROW BALL	Inter College Event	32
KHO-KHO	Inter College Event	30
Dance	Institution level	7
BALL BADMITTON	Inter College Event	40
TAKEWONDO	Inter College Event	12
JUDO	Inter College Event	18
ATHLETICS	Inter College Event	30
CRICKET	Inter College Event	27
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
2019	Gold Medal	National	1	Nil	18104019	P.Maheshwari
2019	Gold Medal	National	Nil	1	17102027	Nega G
2020	Bronze Medal	National	1	Nil	17105015	A.Gowsalya

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 participated in various activities. They helped in coordinating all the events related to academic, other cocurricular and Extracurricular activities as per the direction of teaching faculty. Association members involved in lot of academic, administrative work with the help of other students. They were also motivating other students to take part in the activities conducted by the Institute. They worked as a medium between faculty and students. HoD and Faculty members provide necessary support to the Association members in organizing and coordinating the events. It encouraged the students to develop their leadership skills through these activities. Student members in this council can become real heroines and competent managers in future by learning all the required skills. Our college created a platform for the active participation of the students in the various academic administrative bodies including other activities. This empowered the students in gaining leadership qualities, rules, regulations and execution skills. Every department has class committee which includes students, faculty members, Head of the Department, Academic Dean to discuss about academic and other activities. The class committee members represent 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 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 First Year to Final Year. The Student committee helped to share the ideas, interests and concerns with faculty members, HoDs, Dean and Principal. They often help to 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 Anti Ragging 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

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.

5.4.2 – No. of registered Alumni:

6328

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

152750

5.4.4 – Meetings/activities organized by Alumni Association :

Activities organized by Alumni Association in the year 2019-20: 1.ECE Industry Alumni Meet Interaction 2.Technology and Innovation Towards Women Empowerment 3.Career opportunities in MNC 4.4.ECE Industry Alumni Meet Interaction on 24.04.2020 5.Technology and Innovation Towards Women Empowerment on 13.05.2020 6.Career opportunities in MNC 26.05.2020 7.Career Experience in Women's Life on 30.05.2020 8.Career Experience in Women's Life on 14.06.2020 9.Motivational Talk on 10.06.2020 10.Entrepreneurship Opportunities in Dairy Industry on 21.04.2020 11.Opportunities for Higher Studies in Abroad on 11.05.2020. 12.Higher Studies Opportunities in Abroad on 16.07.2020 13.Motivational talk on 06.06.2020 14.Motivational talk - Web Developer on 30.05.2020 15.Motivational talk"opportunities in IT sector after covid 19" on 23.05.2020 16.Motivational talk on 16.05.2020 17.The Art of Knowing Yourself on 30.04.2020 18.Motivational talk on 24.04.20 19.Motivational talk on carrier through google meet on 17.08.2019 20.Seminar on cloudcomputing- industry perspective on 19.9.2019 21.Motivational talk on 10.08.2019 22.Technical Talk on DC machines and Transformers on 25.05.2020 23.Motivational Talk on 30.04.2020 24.Motivational talk on 29.05.2020 25.Alumni Interaction-Present Industry Scenario on 12.05.2020 26.Effective Communication on 13.06.2020 27.Current Industry Trends Oppurtunities on 28.04.2020 28."Women Entrepreneurship" on 15.05.2020 29."Career Devlopment" on 22.05.2020 30."Education is Empowerment for Women" on 27.05.2020

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)

An executive committee consisting of the chairman, Executive Director, and the Principal has been constituted to decide on certain policy matters. This committee meets once in a month to review the progress in academic, research, placement etc., • Delegation of financial powers to the Head of the Institution and the Heads of the Departments • Preparation and approval of the budgets for various activities in the beginning of the academic year.

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
Human Resource Management	The performance appraisal of the faculty members are through self appraisal, appraisal by the Heads of the departments and Head of the Institution • The departments set achievable targets for the faculty members in one academic year for all parameters teaching, results, self development, and contribution to the department etc. Any gap identified, an appropriate feedback is given for

improvement • If performance appraisal is not satisfactory for the faculty under probation period, the probation period is extended. • Faculty performance is accountable through performance appraisal system, to maintain the continuous development in the areas of teaching, enhance their potential and to motivate the individuals in improving their area of weakness. • Based on the continuous assessment and appraisal report by the HoD Principal, the annual increment will be provided.

Library, ICT and Physical
Infrastructure / Instrumentation

The institution has well stacked library for the benefit of students, faculty and researchers. The library has a large collection of books covering various branches of Engineering and Technology, Science and Humanities and allied fields. The library is fully computerized and barcode facility is used. It also provides access to resources through OPAC (online public access catalogue). The Library hour is scheduled as a part of the timetable. Digital Library utilization is encouraged for both students and faculty.

Research and Development

To promote research activities in the college, the committee i) Ensures the departments to apply for Research Centre recognition under Anna University, Chennai. ii) Ensures the Ph.D holders to apply for Guide Recognition under Anna University, Chennai. iii) Encouraged to publish research papers in refereed journals with high impact factor. iv) Motivates to submit research proposals for various funding agencies v) Motivate to submit proposals for conducting seminars, Conferences, Workshops. vi) Prompts the faculty to interact with the industry for collaborative research projects. vii) Identifies and encourages various research activities of all the departments viii) To sponsor participation and presentation in International conference

Examination and Evaluation

• Performance in each course of study shall be evaluated based on (i) Continuous Assessments (CA) throughout the semester (ii) End Semester Examinations (ESE). The CA and ESE will carry 50 marks each. • Question paper setters are appointed from reputed

institutions like IITs, NITs, IIITs etc. • Question paper scrutiny process is conducted before printing the question papers • Provision for withdrawal from end semester examinations • All the students are allowed to review their valued answer scripts with faculty incharge of the course on the specified date • Students can apply for reevaluation after review of valued answer scripts • If the student is not satisfied with reevaluation result, student can apply for Review • Supplementary examinations are conducted after publishing end semester examinations results

Teaching and Learning

The teaching, learning and assessment strategies are structured in order to facilitate the achievements of the intended learning outcomes. The curriculum of every semester is completed within the stipulated time through planning of the courses of study, timely conduct of continuous evaluations, laboratory examinations, end semester examination, etc. • The course instructor provides the course outline and course schedule to the students at the beginning of the semester. • Self learning, ICT based learning, blended learning are given priority. • The institute creates a Culture of instilling and nurturing creativity among the learners through various academic activities. • Fully qualified, competent and dedicated faculty members contribute to the all round development of the students. • Introduction of online objective tests to ensure the understanding of the students about a particular subject. • The classrooms are equipped with audiovisual aids to enhance the quality of teaching-learning process. • Smart boards are installed in few classrooms which help the teachers to demonstrate better. • Faculty development programmes are conducted regularly to enhance the quality of the teachers. • Faculty members are also constantly encouraged to attend FDPs at other eminent institutions. Based on the internal test results, the following remedial measures are taken • Guiding the weak students. • Conducting special coaching classes for slow learners. • Offering counseling to the students. • Conducting additional sessions for

	tutorials. • Providing reference materials.
Curriculum Development	<p>The institute has introduced the Choice Based Credit System from the academic year 2015 - 2016. A systematic process is being followed in the design and development of the curriculum. IQAC is constantly organizing workshops and sessions for the benefit of the faculty members. These workshops provided an insight to the faculty members who were involved in curriculum design.</p> <p>Feedbacks on the curriculum were collected by the respective departments from the various stake holders. These feedbacks were consolidated and presented to the Chair person Academic Council for suggestion for improvement by the Chair person Board of Studies. After incorporating the suggestions, the same is presented in the Board of Studies, Standing Committee and Academic Council for approval.</p>
Industry Interaction / Collaboration	<p>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. The industry institute interaction has also resulted in •Training for the faculty in industry through immersion programmes • Solving problems for the industry by the members of the faculty • Collaborative work and consultancy with the industry by the faculty team with an incentive to the faculty as motivation.</p>
Admission of Students	<p>• The admission process for UG programme in Engineering is followed according to the guidelines mentioned by Tamilnadu State Government. • Through TNEA counselling system, the students are admitted based on the marks obtained in HSC through merit cum</p>

reservation basis. • There is a centralized online system maintained by DOTE.

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

E-governance area	Details
Student Admission and Support	<p>The software module should process each phase of the life cycle of a student during campus life starting from her application, admission to the issuance of degree completion certificates, etc. This module allows the institution to perform the following: 1.Students inquiry 2.Get application details 3.Selection Process 4.Rule based Roll Number generation 5.Registration of students 6.Student ID Card, Promotion/Transfer/Debar/Exit</p>
Finance and Accounts	<p>This module shall manage all financial activities of the institution and is also interlinked to Library, Hostel, Inventory, HR, Examination and Office Administration. This module allows the institution to perform the following : 1.Manage master accounts, ledgers and groups 2.Fee definition management for various seat types, quotas and concessions. 3.Bank and Cheque management 4.Budget plan and management 5.Day Book Transactions for Receipts, Payments 6.Determine profit and loss from Finance today and make annual budget plan 7.View balance sheet, bank book and cash book</p>
Planning and Development	<p>This module shall manage and control all information related to planning and scheduling. This module allows the institution to perform the following : 1.Course/Subject/Syllabus management 2.Plan and Conduct internal tests 3.View subjects being taken by each department in a year 4.Issue hall tickets after checking 5.Record CAM and university mark details and performance evaluation. 6.Access marks obtained by all the students in all exams with Current, Arrears and Re-Valuation . 7.Calculate internal marks based on the continuous internal assessments.</p>
Administration	<p>This module handles and maintains all details relating to human resource development and management of staff. This module allows the institution to perform the following : 1.Staff application, interview, appointment, ID Card, appraisal, research activities</p>

and Manage Bio-Data 2.Code, designation, category, scale, slab, allowance, deduction, leave details
 3.Apply and approval of leave and loan.
 4.Maintain payroll and generate payslips. 5.Staff Profile management

Examination

1.Students data creation:Creating the format for first year, lateral entry, readmitted, transferred, transferred cum readmitted students' data, edit option for addition / deletion / change. 2.Curriculum Planning :Subject registration student wise.3.Continuous Assessment :Online CA mark entry. 4.Conduct of Theory and Practical Examinations : Generation of exam applications, hall tickets, attendance sheets for practical exams, online attendance entry, online mark entry, attendance sheets for theory exams, online attendance entry, consolidated absentee statement for both theory and practical examinations etc. 5.Paper evaluation : Assigning the dummy number to student register number, dummy number entry, online paper valuation mark entry dummy number wise etc.6.Result process : Conversion of marks into letter grades 7.Result Analysis : It includes the following reports and processes. • Department wise, year wise and class wise pass percentage • Subject wise Internal and External marks average • Programme wise and year wise grade distribution 8.Publication of Result : Publishing the results in college web site 9.Revaluation : • Revaluation mark entry • Revaluation mark updating and revaluation result process • Publishing the revaluation result in web site 10.Mark sheet and Consolidated mark sheet printing : Generation of semester mark sheets and consolidated mark sheets [final semester students].

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
2019	Dr.R.Vinothkanna	Quality Enhancement Measures in HEI with special	Management	14000

		focus on NIRF India Rankings - 2020		
2019	Ms.S. Jeevitha	1st Abdul Kalam Conference	Management	3000
2019	Dr. A. Muthukumara Pandian	Awareness programme on technology incubation scheme	Management	2500
2019	Mr.S.Srinivasan	Industrial Training-wiztech Automation Chennai-Advanced Industrial Automation system using PLC SCADA	Management	2000
2019	Mr.N. Prabhu	International conference on biomass, fuel and chemical	Management	2000
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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 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)
2019	One day National Seminar on "Industrial Automation using PLC"	NA	12/10/2019	12/10/2019	18	Nil
2020	Seminar on 'Outcome based Education'	NA	25/01/2020	25/01/2020	107	Nil
2020	NA	Hands on training in analytical instruments GC and HPLC	29/01/2020	30/01/2020	11	4

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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
FDP-Guru Srishti - Faculty Transformation and Effective Communication Skill	107	19/07/2019	19/07/2019	2
FDP- Opportunities Challenges in Electronics Allies Industries in India post COVID-19	1	26/10/2020	30/10/2020	6
Webinar-A Comperhensive Roadmap to Pursue Academic Research	1	29/05/2020	29/05/2020	1

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
30	30	10	10

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Staff Welfare Club	Staff Welfare Club	Anti Ragging Committee, Women Empowerment Cell, 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 Trust	18830	Garbage enzyme from waste and Electricity from dry leaves
View File		

6.4.3 – Total corpus fund generated

52223660

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	Experts from other educational institutions	Yes	IQAC
Administrative	Yes	Stock Verification from senior faculty members 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)

<p>Parents Meet will be organized once in a semester. Orientation Program is conducted to the newly joined students and their parents on the first day of the first semester. The mentors will interact with the parents periodically for the improved performance and career decisions of the students. Placement opportunities, options of higher education and entrepreneurship will be discussed by Placement Coordinator, Higher Education Coordinator and EDC Coordinator respectively during the Parents meet. Feedback from parents will be collected during Parents Meet by Class Advisors to improve Teaching- learning process.</p>
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6.5.3 – Development programmes for support staff (at least three)

<p>1. Yoga and Stress Management 2. Training programs to improve the knowledge to utilize latest facilities and equipment in laboratories 3. Training programs on Lab Equipment Maintenance and Servicing</p>

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

<p>1. Faculty members are motivated to enroll themselves in NPTEL - Online courses, Students are motivated to register NPTEL Online courses, spoken tutorial etc. 2. Publishing original and research articles in High Quality UGC recognized/ Scopus/ SCI/ Web of Science Journals is mandatory for all faculty members. Students also motivated to publish their project work in International conference and International journals. 3. Energy audit was made by students and motivated them to assemble LED Bulbs by their own in our laboratories. Replaced maximum flourscent tubes with LED bulbs assembled by students.</p>

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	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
2019	Faculty Induction Programme by Academic Advisor, Principal, Dean Academic, Vice Principal all HoDs	03/06/2019	03/06/2019	11/06/2019	15
2019	Faculty Awareness Programme on Information services from INFLIBNET by Mr. Raja Visvanathan, Scientist-B (Computer Science), INFLIBNET Centre, University Grant Commission, Gandhinagar, Gujarat	08/06/2019	08/06/2019	08/06/2019	87
2019	Engineers day	17/09/2019	17/09/2019	17/09/2019	1560
2019	Technical Leadership Development Programme by Dr. KCK. Vijay akumar, Principal	31/10/2019	31/10/2019	31/10/2019	20
2019	Awareness Programme on Outcome Based Education by Dr. L. Malathi, HoD/CSE Mr	19/11/2019	19/11/2019	19/11/2019	52

	.D.Santhosh Kumar, IQAC Deputy Coordinator				
2020	Awareness Programme on Outcome Based Education by Dr.L.Malathi, HoD/CSE Mr .D.Santhosh Kumar, IQAC Deputy Coordinator	25/01/2020	25/01/2020	25/01/2020	55
2020	Faculty development Programme on Outcome based Education and Curriculum Design by Ms .A.S.Renuga devi,AP/CSE, Mr.T.Manikandan,AP/ECE Ms.S.Sreemanjari,AP/EEE	06/03/2020	18/03/2020	19/03/2020	107
2019	External Academic Audit by Dr. U.S.Raghupathy, Dr.Baskar Dr.Shanthi, Professor(s), Kongu Engineering College	25/09/2019	25/09/2019	25/09/2019	107
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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
Yoga Presentation Demonstration	20/06/2019	20/06/2019	325	11
Engineer's	17/09/2019	17/09/2019	1560	75

Day Celebration				
Innovation Day celebration	10/12/2019	10/12/2020	250	10
Women Safety Security and Rights	30/01/2020	30/01/2020	420	10

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
We have Bio gas plant installed in our campus. Solar panels are used for water heater in the hostel. College roads lamps are replaced by LED lamps and solar street lights. The Hostel verandas and college verandas are powered by LED lamps.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nil
Provision for lift	Yes	349
Ramp/Rails	Yes	527
Braille Software/facilities	Yes	Nil
Rest Rooms	Yes	12

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
2020	8	8	24/01/2020	1	Village survey and dengue awareness programme conducted at unjanai	dengue awareness	50
2020	8	8	28/01/2020	1	village survey and eye check up conducted at Puthupulyampatti	Eye checkup	56
2020	8	8	18/02/2020	1	cleaning of village	cleaning	64

					shool campus at unjanai		
2019	1	1	27/09/2 019	3	PG -teacher qualifica tion test through TRB conducted by tamilnadu Govt	test	140
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
College prospectus	22/03/2019	<p>The College Prospectus is a code of conduct for various stakeholders like Students, Teaching Staffs, Non-Teaching Staffs and Parents. The frequency of publication is annual, normally it will ready in advance of the Admission of the new students. It focuses the vision and mission of the College for the upliftment of the women by educating, enabling and empowering them with a prescribed adherence to human values, such as, sensitivity towards community, awareness about heritage and history, environmental awareness and values of citizenship. Also prescribes Professional Ethics through determination upon rules and regulations and ordinances that are necessary for maintaining the College Discipline and its Best Practices. This establishes a environment which is helpful for work culture that is moral and straightforward and integral to the working of the organization</p>

<p>Code of Conduct - Students</p>	<p>22/03/2019</p>	<p>The students were continuously encouraged to pursue online courses based on the area of specialization through NPTEL, ICT Academy, PALS etc., which is part of their curriculum. Orientation programmes were conducted to make them to feel comfortable in the college campus. The faculty members are always ready for all the clarifications that were raised by the students and the parents including the importance of Identity card, the disciplinary action based on nature of misconduct, warning, and restrictions on certain action, violations and anti-ragging enforcement. The students were involved in community service with social responsibility that nurtures integrity towards the scholarly and ethical environment of the institution.</p>
<p>Code of Conduct - Teaching Staff</p>	<p>22/03/2019</p>	<p>The management strongly believes that the faculty members were pillars of the institution. They were encouraged to follow human values and ethics to teach and reach the students with ethical standards in the human life. They are also supported to pursue online courses based on the area of specialization and ethical related courses through NPTEL, Coursera, Edx, etc to be up to date in current trends. They are likewise focus in on their particular jobs and obligations, the teacher will give his/her time and energy to create and improve their academic and professional competence. The teachers</p>

		<p>are strongly recommended to prepare a quality lecture notes, practical application of the corresponding subject, Power point presentations, Question Banks and also to clarify doubts on and off the classes. There is strong mentor system followed to monitor, observe, guide and adhere the provisions of the Institution. Apart from these regular activities, the extra-curricular, co-curricular activities are also given due importance. On a whole the faculty members should seek to manage professional growth continuously through their study and research. Every faculty member has to update and maintain an active membership of professional organizations and strive towards excellence.</p>
<p>Code of Conduct - Nonteaching Staff</p>	<p>22/03/2019</p>	<p>The staff is instructed to be regular, punctual and shall stay back beyond the working hours if required to complete the official work. There is proper guideline for the staff to make alternative arrangement in absence to carry out the assigned duties without any hindrance. All the non-teaching staff should carry out their assigned work with complete involvement and morality. The staff should follow the instructions from the Faculty and higher authorities. They are always instructed to maintain professional ethics in the campus and should maintain proper behavior with the authorities, students, parents and</p>

other stakeholders. The staff working in laboratories should keep proper record of maintenance and cleanliness. They should maintain the college related details with strict confidentiality and at most care should be given in maintaining the records and documents.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Engineer's Day celebration	17/09/2019	17/09/2019	1560
Yoga Presentation Demonstration	20/06/2019	20/06/2019	336
'Missile Man, Dr. A.P.J. Abdul Kalam, Former President of India, birth anniversary celebrated	15/10/2019	15/10/2019	1500

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

1. Restricted entry of automobiles 2. Use of battery powered vehicles 3. Ban on plastics 4. Landscaping with trees and plants - even we can see large honeycombs 5. Pedestrian friendly pathways 6. Eco friendly LED Lamp usage 7. Rain water harvesting 8. Sludge System

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practices - I

- Title of the Practice Beyond the Curriculum (Internships and Industrial visit)**
- Objectives of the Practice** The objective of bringing in the affiliation curriculum courses is to bridge the gap existing between the content in the curriculum and industrial practices. The intended outcomes are
 - Value addition to the core courses.
 - To expose students to the latest trends and technologies adopted in industries.
 - Improving the quality of student projects and placement openings.
 - Online courses
- The Context** The change in technology happens at a faster rate and makes the existing technology/methodology obsolete within a shorter span of time. The curriculum structure is revised only at specified intervals. As a measure to make students learn current technologies adopted by industries, internships, and curriculum courses are planned and conducted using the expertise of an industrial personnel.
- The Practice** The expectations of an industry with regard to student's knowledge/exposure on a particular topic/approach that are not addressed in detail in the academics are identified. Expert from the industry is invited to share his/her domain expertise with the students. A mutually agreeable syllabus that could be covered in duration of 15 hours is framed. The framed syllabus is referred to the Board of Studies where it is carefully reviewed and modified if needed, and taken to the Academic Council for approval. With approved syllabus

as the course content and industry expert as the course handling faculty, curriculum courses are opened for the students. The course is scheduled during weekends without disturbing the regular academic work. The eligible students are allowed to register for the course. At the end of the course the students are given an assignment/mini-project based on the concepts taught. The students have to take up an examination for two hours. Both the assignment/mini-project and course end examinations are evaluated and the result is declared. One faculty member from the related department gets associated with the course and gathers knowledge through the deliberations with the expert. With the knowledge gained, the faculty member can propose projects or develop course content that could be included in the next successive regulation.

5. Evidence of Success Ms. Likitha and Ms. Navya of ECE got Pre-placement offer in ATT during the academic year (2018-19). Total number of students benefitted: 627 Total number of faculty trained: 52 This helped the students to take up internship at industries/research labs. No. of students benefitted across departments as shown in additional information. On an average 90 Batches have participated in various internships every year.

6. Problems Encountered and Resources Required Fixing convenient dates for conduct of the course and examination between the busy academic schedule of the students and packed schedule of the industry expert is a difficult task.

Best Practice: II

1. Title of the Practice Training Placement VCEW has a quality circle named "Potential Employability". Training and Placement office is the Convener of this quality circle. It has members from each department. This quality circle has its own objectives. As a result of this quality circle, training and placement has become a best practice in our college.

2. Objectives of the Practice To enable the students to have a sound technical knowledge in their field of study.

- To conduct value added and carrier guidance programme to the students.
- To improve the programming knowledge of students.
- To train and practice the students in time bound answering of aptitude test.
- To help students excel in language and communications kills.
- To prepare students for different levels of selection process such as presentation skills group discussions and one to one interviews.
- To boost the confidence level of the students through soft skills training.
- To inculcate the importance of projecting a smart appearance by personality development programs.
- To groom the students to the corporate level.
- To ensure that all eligible students are employed at the end of the final year of their course.

3. The Context • The trend in India is a massive inclination towards Engineering Education in the past few years. The major reason for this preference is the employment opportunities in the IT, core companies and other corporate sectors that offer fresh graduates with attractive pay packages. A technical institution grows over the years by balancing the academic and placement track record.

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/aca_igac.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

Recital of the Institution in individual Area Distinctive to the Vision, Priority and Thrust Our Vision To be a Centre of Excellence for Development and Dissemination of Knowledge in Engineering Technology around the globe for Women. Our Mission Committed to Impart Value based Engineering Education and Research to make Globally Competent and Quality Women Professionals. The Vision of the Institute focuses on multi aspects essentially on Women Empowerment: comprehensive Standards, eminence and value-based Education, Interdisciplinary Research, and Personality and behavioral Development of the students. The

Institute has established its unique approach towards this comprehensive Vision. All the faculty members are optimistic and kept updated for pertain in research grant projects. The students partake in the state and national level competition and the best ideas are rewarded. In last year of the degree programme, the students are guided to work on innovative project ideas and the same has been modeled productively. In observance with the institution's vision of imparting quality education with values in a holistic way for one and all, Women's institution has always given priority to the all-round development of women to empower them. Accordingly, the institution perseveres on outreach programmes and inculcates in its students an awareness of the value of holistic education and empathy for the less privileged sections of society. The NSS Unit of the College organizes regular outreach programmes for the student community and the foremost interest of the rural awareness and development. The institution also focuses at imparting complete education to woman students possessing profundity of knowledge not only in their respective disciplines but in all the kindred areas so that they can achieve relentless strength to cope up with the challenges of the society and in the professional domain. Accordingly, the institution bestows precedence in organizing various educational and awareness programmes to compose its students more laborious, self-reliant, skilled and enthusiastic to accomplish their task confidently and to face the challenges of the fast changing world courageously.

Provide the weblink of the institution

http://vcengg.ac.in/abt_vision.html

8.Future Plans of Actions for Next Academic Year

Plan of action for next academic year 1) Planning to install LCD projector facility to all class rooms (already 75 percent classrooms with LCD Projector) 2) Additionally planning for two 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) Introduced two new UG courses for AY 2020-21 - B.E., Biomedical Engineering and B.E., Computer Science and Technology 5) Increase E - books to 100 per department 6) Attain NIRF rankings in Top 50 (within Tamilnadu state) 7) Enhance and improve Outcome Based Education (OBE) continuously 8) Attain NBA for all PG courses and NAAC with A or its higher grade 9) Introduce 2 industrial collaborated courses per department 10) Initiate Leadership course in curriculum 11) Achieve 90 percent placements in reputed MNCs and Core companies 12) Motivate minimum of 200 students to appear for GATE / TANCET examinations and 20 to get qualified 13) Produce 10 entrepreneurs per year 14) Increase faculty average experience to 6 years, faculty student ratio to 1:12, and attrition rate to 12 percent 15) Faculty publication in reputed journals per department should be increased to 70 percent 16) Number of Ph.D., faculty will be increased to 35 percent 17) Motivate 2 faculty for each semester for every department to undergo industrial training and faculty from industry to deliver expert lectures will be increased to 5/department/year 18) Motivate all PG students to publish their article in journal or conference 19) Motivate all students to register for online courses 20) Placement training for all students for minimum of 15 days/year 21) 2 value added courses per department will be introduced 22) 7 village has to be adopted under UBA scheme (already 5 villages have been adopted) 23) Zonal level winner in sports 24) Alumni association will be organized 2 per year with 2 local chapters 25) Japanese foreign language training is giving to students, in addition to this one more foreign language is planning 26) Minimum 50 students should clear UPSC and Banking exams 27) Minimum 10 new funded projects (10 to 15 lakhs) should be applied 28) Three new MoUs / department should be signed with industries and other institutions/universities 29) Three funded seminar/workshop/FDP should be organized 30) Five patents/copyrights should be applied 31) Two new research centers and 1 technology incubator has to be started 32) Three consultancy activities /

department is targeted 33) Minimum five seminar halls for the college 34) Minimum two activities has to be planned with professional tie ups