

The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR period would be the Academic Year. For example, July 1, 2012 to June 30, 2013)

Part – A

I. Details of the Institution

1.1 Name of the Institution

VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY

1.2 Address Line 1

Madurai – Rameswaram High Road

Address Line 2

Viraganoor

City/Town

Madurai

State

Tamil Nadu

Pin Code

625009

Institution e-mail address

principal@vcet.ac.in

Contact Nos.

0452-2465289

Name of the Head of the Institution:

Dr.P. Alli Principal

Tel. No. with STD Code:

0452-2465289

Mobile:

94435 66537

Name of the IQAC Co-ordinator:

Dr. Geetha Sivasubramanian

Mobile:

98421 29696

IQAC e-mail address:

gsm@vcet.ac.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

TNCOGN15558

1.4 NAAC Executive Committee No. & Date:

(For Example EC/32/A&A/143 dated 3-5-2004.

This EC no. is available in the right corner- bottom of your institution's Accreditation Certificate)

EC(SC)/13/ A&A/21.1

1.5 Website address:

www.vcet.ac.in

Web-link of the AQAR:

http://vcet.ac.in/naac-aqar2/

For ex. <http://www.ladykeanecollege.edu.in/AQAR2012-13.doc>

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 st Cycle	A	3.02	2016	2016-2021
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

20.2.2016

1.8 AQAR for the year (for example 2010-11)

2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC ((for example AQAR 2010-11 submitted to NAAC on 12-10-2011)

- i. AQAR 2016-17 submitted to NAAC on 13.02.2017
- ii. AQAR _____ (DD/MM/YYYY)
- iii. AQAR _____ (DD/MM/YYYY)
- iv. AQAR _____ (DD/MM/YYYY)

1.10 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.11 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

-

1.12 Name of the Affiliating University (for the Colleges)

Anna University, Chennai

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers

2.2 No. of Administrative/Technical staff

2.3 No. of students

2.4 No. of Management representatives

2.5 No. of Alumni

2.6 No. of any other stakeholder and community representatives

2.7 No. of Employers/ Industrialists

2.8 No. of other External Experts

2.9 Total No. of members

2.10 No. of IQAC meetings held

2.11 No. of meetings with various stakeholders: No. Faculty

Non-Teaching Staff Students Alumni Others

2.12 Has IQAC received any funding from UGC during the year? Yes No

If yes, mention the amount

-

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. International National State Institution Level

(ii) Themes

-

2.14 Significant Activities and contributions made by IQAC

1. To enhance quality in assessment process, question bank has been generated by each course teacher in the Ratio 1:3 and the final question paper set by the exam cell by random choice
2. Diverse techniques of teaching enhanced by regular class room monitoring by Principal and HoD
3. More number of Students and faculty enrolled and completed NPTEL courses
4. Participation in national level project competitions by students reiterated
5. Sustaining tempo in R &D and Consultancy work emphasized

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
Conduct of academic programs like seminars and symposia for enhancing the skills of students	Many such programs have been conducted both for students and faculty
Conduct of faculty development programs to augment the expertise of faculty	

* *Attach the Academic Calendar of the year as Annexure. – Annexure i*

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

Provide the details of the action taken

The management approved of the constitution and plan of action of IQAC
and confirmed extension of support for quality enhancement activities

Part – B

Criterion – I

I. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	4	-	All the Courses are Self-financed	-
PG	5	-		-
UG	6	-		-
PG Diploma	-	-		-
Advanced Diploma	-	-		-
Diploma	-	-		2
Certificate	-	-		9
Others	-	-		
Total	15			

Interdisciplinary	-		-	
Innovative	-			

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	6 (UG) +5(PG)
Trimester	-
Annual	-

1.3 Feedback from stakeholders* Alumni Parents Employers Students
(On all aspects)

Mode of feedback : Online Manual Co-operating schools (for PEI)

***Please provide an analysis of the feedback in the Annexure – Annexure ii**

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Yes Anna University has revised the syllabi from the Academic year 2017-18, The salient features are (i) Introduction of CBCS system (ii) modifications in examination system

1.5 Any new Department/Centre introduced during the year. If yes, give details.

-

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
158	122	4	16	14

2.2 No. of permanent faculty with Ph.D.

25

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
12	12	-	-	-	-	4	4	16	16

2.4 No. of Guest and Visiting faculty and Temporary faculty

Nil

Nil

Nil

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	74	71	-
Presented papers	58	56	-
Resource Persons	1	1	7

2.6 Innovative processes adopted by the institution in Teaching and Learning:

Think –pair – share, flipped class room; games, role play, scenario analysis based teaching, On the spot study, Google class room etc.

2.7 Total No. of actual teaching days during this academic year 142

2.8 Examination/ Evaluation Reforms initiated by the Institution (for example: Open Book Examination, Bar Coding, Double Valuation, Photocopy, Online Multiple Choice Questions) NIL

2.9 No. of faculty members involved in **curriculum restructuring/revision**/syllabus development as member of **Board of Study**/Faculty/Curriculum Development workshop 4 3 0

2.10 Average percentage of attendance of students 95

2.11 Course/Programme wise distribution of pass percentage :

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
CIVIL - UG	69	4.4	56.5	2.90		63.77
CSE - UG	106	5	83	8		95.3
ECE - UG	117	24	83.7			83.7
EEE - UG	110	6.3	79.1		-	85.45
IT - UG	48	2.4	90.5	7.1	-	87.5
MECH - UG	125	4	90.4	6.4	-	96.8
CSE - PG	4	50	50			100
IT- PG	-	-				-
ECE - PG	1		1		-	100
EEE - PG	3	33.3	100			100
MECH- PG	2	-	2			100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

The teaching process is regularly monitored by the Heads of Departments and by the Principal. The weaknesses in the process are analysed and the respective teachers are mentored in improving their class room handling and subject delivery.

The quality of formative assessment question papers with the scheme of valuation and the assignments are checked by the Heads of Departments.

The valuation by teachers is also randomly checked by the Heads.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	-
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	5
Faculty exchange programme	1
Staff training conducted by the university	2
Staff training conducted by other institutions	83
Summer / Winter schools, Workshops, etc.	11
Others	Many faculty attended short term Development programs related to special topics and FDPs conducted by the college and other institutions

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	15	1	1	NIL
Technical Staff	43	NIL	NIL	NIL
Others	8	NIL	NIL	NIL

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

Keeping in mind the need for sustained quality, The IQAC members communicate in Department Meetings, the importance of research along with and in spite of the regular teaching learning process. The outcome is indicated by the research grants received from various funding agencies to the tune of Rs. During 17-18 bringing up the total research grant received by the college to 6.5 crores

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	7	4	7	10
Outlay in Rs. Lakhs	34.6	117.64	25	63

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	8	1	11
Outlay in Rs. Lakhs	5	42.27	15	62

3.4 Details on research publications

	International	National	Others
Peer Review Journals	35	-	-
Non-Peer Review Journals	74	2	-
e-Journals	-	-	-
Conference proceedings	57	-	-

3.5 Details on Impact factor of publications:

Range Average h-index Nos. in SCOPUS

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned In lakhs	Received in lakhs
Major projects	17-18	DST SERB DST BIRAC	99.22	34.32
Minor Projects	17-18	IEDC	1.55	1.55
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects <i>(other than compulsory by the University)</i>	17-18	MSME, BIRAC	57.27	37.1
Any other(Specify)	1	GOVT	1.2	1.2
Total			83.52	58.19

3.7 No. of books published i) With ISBN No. Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP CAS DST-FIST
DPE DBT Scheme/funds

3.9 For colleges

Autonomy CPE DBT Star Scheme
INSPIRE CE Any Other (specify)

3.10 Revenue generated through consultancy ₹6,47,309

3.11 No. of conferences organized by the Institution	Level	International	National	State	University	College
	Number	1	1	-	-	-
	Sponsoring agencies	AICTE	VCET			

24

3.12 No. of faculty served as experts, chairpersons or resource persons

3.13 No. of collaborations International 3 National 7 Any other -

3.14 No. of linkages created during this year 2

3.15 Total budget for research for current year in lakhs :

From Funding agency 17.6 From Management of University/College -
Total 17.6

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	7
	Granted	1
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows Of the institute in the year

Total	International	National	State	University	Dist	College
1	-	1	-	-	-	-

3.18 No. of faculty from the Institution who are Ph. D. Guides 18
and students registered under them 47

3.19 No. of Ph.D. awarded by faculty from the Institution 11

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF SRF Project Fellows Any other

3.21 No. of students Participated in NSS events:

University level State level
National level International level

3.22 No. of students participated in NCC events:

University level State level
National level International level
College level

3.23 No. of Awards won in NSS:

University level State level
National level International level

3.24 No. of Awards won in NCC: NA

University level State level
National level International level

3.25 No. of Extension activities organized

University forum College forum
NCC NSS Any other

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Training on Voters enrolment
- Blood donation Camp
- International literacy day
- Vaigai river Cleaning Campaign.
- Confidence Building for students
- Cyber Crime and Blue Whale Game Challenges
- Yoga Program
- Meeting on Swachha Hi Seva
- Dengue Awareness Program
- Child Safety Awareness Program
- Independence Day and Republic Day Celebrations

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	14.48 Acres	-	-	14.48 Acres
Class rooms	50	-		50
Laboratories	40	7	College and Funding agency	47
Seminar Halls	3	-	-	-
No. of important equipments purchased (\geq 1-0 lakh) during the current year.	8	13 149 PCs	Management	21
Value of the equipment purchased during the year (Rs. in Lakhs)	-	12.32 32.78		-
Others	-	-		-

4.2 Computerization of administration and library

Administration is partially computerised.
Library is automated already and annual maintenance carried out.
Students Information System – under progress

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value in lakhs	No.	Value in lakhs	No.	Value in lakhs
Text Books	22210	72.93	1420	6.36	23630	79.3
Reference Books	859	3.24	55	0.19	914	3.44
e-Books	-	-	-	-	-	-
Journals	818	33.86	64	1.65	882	35.51
e-Journals	1198	35.88	173	9.84	1371	45.72
Digital Database	-	-	-	-	-	-
CD & Video	1767	-	60	-	1827	
Others -NPTEL	250	1	-	-	250	15500

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	728	9	32Mbps	2	2	6	32	11 servers
Added	242	4	50Mbps	-	-	2	13	-
Total	728	9	82Mbps	2	2	8	45	11

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

Two- day workshop on Arduino and Two day workshop on Nodejs

4.6 Amount spent on maintenance in lakhs :

i) ICT	4.12
ii) Campus Infrastructure and facilities	73.21
iii) Equipment	10.11
iv) Others	3
Total :	414.89

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

Student members of IQAC are Ambassadors for communicating information to students on career guidance. IQAC also lays emphasis on dissemination of information about GATE and other competitive exams to the students. Details of Off campus employment opportunities are regularly communicated to the students by the Placement cell.

5.2 Efforts made by the institution for tracking the progression

The Placement officer, the department coordinators and the mentors help students and track their progress with respect skill development required for on campus, off campus placement and for higher studies in reputed institution. Alumni who need help in placement are also kept in touch and informed as and when opportunities arise.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2306	17	45 – Part time	

(b) No. of students outside the state

NIL

(c) No. of international students

NIL

	No	%		No	%
Men	1284	55.27	Women	1039	44.73

Last Year 16-17 At the time of admission						This Year 17-18 at the time of admission					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
12	127	2	468	-	597	29	52	1	468		550

Demand ratio 1:3

Dropout % 5.66

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

Coaching for GATE examination – provision within the timetable with faculty allotted. – Bank Recruitment Coaching
Business English Certificate Course (BEC) mandatory for all second years

No. of students beneficiaries

50 – GATE and BRE coaching

5.5 No. of students qualified in these examinations

NET	<input type="text" value="-"/>	SET/SLET	<input type="text" value="-"/>	GATE	<input type="text" value="4"/>	CAT	<input type="text" value="2"/>
IAS/IPS etc	<input type="text" value="-"/>	State PSC	<input type="text" value="-"/>	UPSC	<input type="text" value="-"/>	Others	<input type="text" value="-"/>

5.6 Details of student counselling and career guidance

Student Counselling is catered to by the mentors and special cases are referred to the college counsellor who as and when necessary utilizes the services an external psychologist / psychiatrist. Career guidance is carried out in the respective departments and through IEDC of the college.

No. of students benefitted

Psychological Counselling - 1
4 – Career Guidance

5.7 Details of campus placement 17-18

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
50	202	165	55

5.8 Details of gender sensitization programmes

1. Teen Talk – Talk on coping with teenage issues
2. Regular Posting of articles related to gender issues on the Gender cell bulletin board.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount` in lakhs
Financial support from institution	-	-
Financial support from government	332	100.62
Financial support from other sources	3	2.5
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: _____NIL_____

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision – To Emerge And Sustain As A Centre Of Excellence for Technical And Managerial Education Upholding Social Values.

Mission - Our aspirants are

1. Imparted with comprehensive, innovative and value based education
2. Exposed to technical, managerial and soft skill resources with emphasis on research and professionalism
3. Inculcated with the need for disciplined, happy married and peaceful life.

6.2 Does the Institution has a management Information System

NO

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

Faculty participate in Boards of studies of Anna University and other Autonomous Institutions and this helps in planning and executing value added courses and to extend the teaching beyond the University Syllabus.

6.3.2 Teaching and Learning

Teachers are extended financial assistance by the Management to participate in Seminars and Workshops both in India and Abroad. Teachers and students are encouraged to register for and complete online NPTEL courses to enhance their breadth and depth of knowledge. The management is considering completion of NPTEL courses for Annual Faculty Appraisal

6.3.3 Examination and Evaluation

Formative assessment tests. Are conducted on a centralized basis by the office of the COE Preparation of Question papers based on Bloom's taxonomy.

Two sets of question papers prepared for each assessment test with detailed scheme of valuation which are checked by Module coordinator / HoDs. One of the question papers is selected randomly by the CoE for the assessment tests.

The valuation of Internal Assessment papers are checked by the Module Coordinator/ HoD.

6.3.4 Research and Development

The management extends all support for research and consultancy work. A sample is given below:

1. Financial assistance and on- duty absence from work to visit research institutes, industries and funding agencies
2. Encouragement and timely backing for signing MoUs.
3. Internship for faculty made compulsory for recent know – how in Industrial needs and demands
4. Timely disbursement of funds received from agencies for successful completion of research Projects.

6.3.5 Library, ICT and physical infrastructure / instrumentation

1. Library area increased and extended; budget approved and granted
2. laboratories are being equipped to meet the requirements of the R 2017 of Anna University.
3. College Server capacity augmented by 50 KMbs

6.3.6 Human Resource Management

The management ensures the student: Teacher ratio is comfortably maintained as per University norms.

Retention of teaching and non-teaching faculty is ensured by pay scale and annual increments.

Promotions and incentives are awarded fairly, based on performance appraisals.

6.3.7 Faculty and Staff recruitment

The management makes no compromise in engaging meritorious candidates for teaching, lab related technical and office administrative work. The recruitment process is rigidly as per (i) advertising for vacant posts stating the required qualification (ii) scrutinizing and filtering of applications by the HOD/ office Manager (iii) calling for personal interviews; the interview board consisting of external expert where necessary, HOD of the concerned and related departments and a senior faculty of the department (iv) conduct of written tests to filter candidates if necessary (v) conduct of interview and selection of candidates in the ratio 1:3 for each vacancy (vi) Final Interview by the Management of the selected candidates and issue of appointment order.

The management extends all support to ensure that the required vacancies are filled and the AICTE norm of student –teacher ratio of 15:1 is satisfied and the teachers are comfortable with the allotted workload.

6.3.8 Industry Interaction / Collaboration

The management of VCET is very keen on establishing Industry – Institute Interaction and collaboration.

All the Engineering Departments undertook visits to almost all the industries and companies within commutable distance to explore the possibility of Industry- Institute interaction, internships, projects and employment

6.3.9 Admission of Students

Admission is strictly according to the State Government norms. 65% of the students are admitted through single window counselling by DoTE and 35% are filled by the Management as per ranking by the Consortium of Private Engineering Colleges

6.4 Welfare schemes for

Teaching	Free transport for faculty with concession /free education for children in Velammal Group of schools Free Medical aid and concessions in expenses towards diagnosis In Velammal Hospital
Non-teaching	Concession / free education for children in Velammal Group of schools Free Medical aid and concessions in expenses towards diagnosis in Velammal Hospital
Students	Government Scholarships; Free food and hostel Accommodation to deserving students Free Medical aid and concessions in expenses towards diagnosis In Velammal Hospital

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done Yes No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	YES	NBA	YES	Assessment Committee
Administrative	YES	NBA and Certified Auditors	YES	Internal Auditors

6.8 Does the University/ ~~Autonomous College~~ declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ ~~Autonomous College~~ for Examination Reforms?

Periodical restructuring of question papers and cognitive level of questions enhanced.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Encouragement to apply and support for processes given

6.11 Activities and support from the Alumni Association

The Alumni Association conducts meeting once a year. Well-Placed and Self-employed Alumni are invited to give guest lectures and train students towards placement and entrepreneurship. Alumni are invited to help plan value added courses and modify teaching methodology as members of DAC.

6.12 Activities and support from the Parent – Teacher Association

There is no formal parents- teachers Association. However each department takes a special initiative to hols a parents – teachers meeting every year to sensitize the parents on the nuances of the semester system and the importance of continuous assessment. Parents are also called for interactions with teachers, mentors and HoD as and when situation demands either with respect to their wards' academic progress or discipline issues.

6.13 Development programmes for support staff

Support staff are encouraged to take up higher studies, either part time or through distant education. The Heads of Departments and the Management extends full support for enrolling and completing courses in terms of OD leave and use of learning resources.

They are also encouraged to attend short time training programs and workshops organized by other institutions and industries.

6.14 Initiatives taken by the institution to make the campus eco-friendly

The STP supplies water for our extensive lawn, tress and other plants on campus. Waste segregation is encouraged in class rooms.

Parabolic concentrated heat collectors have been installed in the terrace over the hostel mess and will be put to use soon to trap the solar heat energy.

A sanitary napkin destroyer has been installed in the ladies' hostel.

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

Faculty members personal visits to the industries and companies has been an eye opening experience towards planning the training programs and internships for students and also to provide a differential focus on the teaching process

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- Labs have been equipped with necessary instruments and other facilities to suit the needs of the revised syllabus
- More opportunities for internships have been provided to the students
- R & D has taken leap with respect to grant of funds and receipt of a patent

7.3 Give two Best Practices of the institution (*please see the format in the NAAC Self-study Manuals*)

Research and Development
Training and Placement

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

<ul style="list-style-type: none">• Talk on future of the environment• Talk on conservation of forests• Internal day for preservation of ozone layer• National forest week

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

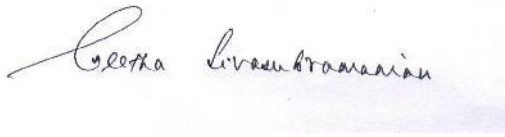
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8. Plans of institution for next year

- Completion of Full automation of students' academic details
- Permanent affiliation of Departments by Anna University as a first step towards Autonomy

Name Dr, Geetha Sivasubramanian

Name Dr. P. Alli



Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

18.1.18

Annexure I – college calendar 2017-18

Academic Calendar (2017-2018)		
JULY 2017		
Date	Day	Events
1	Saturday	
2	Sunday	
3	Monday	
4	Tuesday	Three weeks Value Added Course on Arduino-IT Dept
5	Wednesday	
6	Thursday	Civil-Association Inauguration-Civil Dept
7	Friday	
8	Saturday	Second Saturday-Holiday
9	Sunday	
10	Monday	English Association Inauguration-English Dept, Value Added Course – Stadd Pro-Civil Dept
11	Tuesday	Value Added Course – Stadd Pro-Civil Dept
12	Wednesday	A week long FDP on Communication Skills for Staff begins- English Dept, Value Added Course – Stadd Pro-Civil Dept, Inauguration of Yi YUVA-Mech Dept, EEE-Association Inauguration – EEE Dept
13	Thursday	Value Added Course – Stadd Pro-Civil Dept, Multimedia Contest-ECE Dept
14	Friday	ECE-Association Inauguration – ECE Dept ,Value Added Course – Stadd Pro-Civil Dept
15	Saturday	Value Added Course – Stadd Pro-Civil Dept, Inauguration of IT Association-IT Department
16	Sunday	
17	Monday	Entrepreneurship Awareness Camp–EEE Dept
18	Tuesday	Entrepreneurship Awareness Camp–EEE Dept
19	Wednesday	Entrepreneurship Awareness Camp–EEE Dept
20	Thursday	Entrepreneurship Awareness Camp–EEE Dept, Interactive Session-I with Alumni-ECE Dept
21	Friday	Association Activity-EEE Department, Entrepreneurship Awareness Camp–EEE Dept, ISTE Programming Contest-CSE Dept, Guest Lecture on Prestressed Concrete-Civil Dept
22	Saturday	Entrepreneurship Awareness Camp–EEE Dept
23	Sunday	
24	Monday	
25	Tuesday	
26	Wednesday	ECO CLUB Inauguration-Chemistry Dept, GD under IT Association-IT Dept
27	Thursday	GD under IT Association-IT Dept
28	Friday	IETE Forum-Paper Presentation Contest-ECE Dept
29	Saturday	Paper Presentation Contest - CSI Students' Chapter-CSE Dept
30	Sunday	
31	Monday	

Total number of working days: 25

AUGUST 2017		
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Date	Day	Events
1	Tuesday	
2	Wednesday	Guest Lecture on Environmental Engineering-Civil Dept, Yoga Day-
3	Thursday	MECH Dept, Code Debugging Contest under IT Association-IT Dept
4	Friday	
5	Saturday	
6	Sunday	
7	Monday	Two day Workshop on Python-IT Department
8	Tuesday	Two day Workshop on Python-IT Department
9	Wednesday	ECE Association Activity-Dr. S.R. Ranganthan Memorial Trophy-ECE Dept, SAE
		INDIA CAD Modeling Contest on Auto parts-MECH Dept
10	Thursday	Independence day competitions for students-English Dept, Circuit Debug Contest-ECE Dept
11	Friday	Physics Association Inauguration-Physics Dept, Designing Contest by Kanithamizh
		Peravai-CSE Dept, Industrial Visit for final years-Civil Dept, Fluid Mechanics
		Day-MECH Dept, Technical Symposium-IT Dept
12	Saturday	Working day in lieu of 26.08.17
13	Sunday	
14	Monday	
15	Tuesday	Independence Day-Holiday
16	Wednesday	
17	Thursday	Heat Transfer day & CIPD activity-MECH Dept
18	Friday	Industrial Visit-EEE Dept, IETE Forum-Interdepartmental Idea Contest-ECE Dept,
		Seminar – ISTE Staff Chapter-CSE Dept, Paper Presentation Contest under IT Association-IT Dept
19	Saturday	Mechanical department association –Mexuberence Inauguration-MECH Dept
20	Sunday	
21	Monday	Entrepreneurship Development Programme-EEE Dept
22	Tuesday	Entrepreneurship Development Programme-EEE Dept
23	Wednesday	Entrepreneurship Development Programme-EEE Dept, Mathematics Association Inaugural function-Maths Dept
24	Thursday	Entrepreneurship Development Programme-EEE Dept, Industrial Visit for third
		years-Civil Dept, Seminar – CSI Students“ Chapter-CSE Dept, Inauguration of
		Mechanism Club – CAD Drawing Competition -MECH Dept.
25	Friday	Vinayakar Chathurthi-Holiday
26	Saturday	Compensatory Holiday
27	Sunday	
28	Monday	
29	Tuesday	
30	Wednesday	ALCHEMI Chemistry Association Inauguration- Chemistry Dept, IETE Convention(Session-I) on theme “Marching Towards Digital Economy”-ECE Dept
31	Thursday	
		Total number of working days: 24

Date	Day	Events
1	Friday	RETRIC'17- One day National Seminar – ECE Dept
2	Saturday	Bakrid-Holiday
3	Sunday	
4	Monday	
5	Tuesday	
6	Wednesday	
7	Thursday	Workshop on Software Testing - IT Dept
8	Friday	Toastmasters Club Inauguration- English Dept, ECE Association-Guest Lecture- ECE Dept, Technical Seminar – ISTE Staff Chapter-CSE Dept, Here Maps Community Program-Civil Dept
9	Saturday	Working day in lieu of 16.10.17
10	Sunday	
11	Monday	
12	Tuesday	
13	Wednesday	Interdepartmental Coding Contest-IT Dept
14	Thursday	Aeromodelling Workshop- MECH Dept, Guest Lecture-I-ECE Dept
15	Friday	IEEE – Paper presentation-EEE Dept, Engineers Day Celebration-CSE Dept
16	Saturday	CFC Free Environment-Competition World Tree Day Celebrations –Tree Plantation- Chemistry Dept, Czenia“ 17 – National Level Students’ Technical Symposium-CSE Dept
17	Sunday	
18	Monday	
19	Tuesday	Workshop on Graph Theory-Maths Dept, Design Day – MECH Dept
20	Wednesday	IEI Student Activity-EEE Dept
21	Thursday	Two day Workshop on Mobile App-IT Dept, VAUTS Automobile Workshop- MECH Dept, Best Manager-ECE Dept
22	Friday	Two day Workshop on Mobile App-IT Dept
23	Saturday	Association Activity-EEE Dept, Presentation Contest-ECE Dept, Dept, ECE Association-State level Project and Paper Project Competition – CSI Students“ Chapter-CSE
24	Sunday	
25	Monday	
26	Tuesday	Workshop – Composite material-MECH Dept
27	Wednesday	State level Physics Quiz-RIDDLE, Technical Quiz / Project contest-Civil Dept
28	Thursday	E-Waste Program – CSI Students“ Chapter-CSE Dept, , IETE Forum – Circuit Design Contest – ECE Dept.
29	Friday	Ayutha Pooja-Holiday
30	Saturday	Vijaya Dasami-Holiday

Total number of working days: 23

OCTOBER 2017		
Date	Day	Events
1	Sunday	Muharram
2	Monday	Gandhi Jeyanthi-Holiday
3	Tuesday	Awareness Programme on Energy Conservation, Technology based Entrepreneurship Development Programme-Residential Wiring, Energy Camp-EEE Dept
4	Wednesday	Technology based Entrepreneurship Development Programme-Residential Wiring-EEE Dept
5	Thursday	Technology based Entrepreneurship Development Programme-Residential Wiring-EEE Dept, ALCHEMI Chemistry Association Competition-Chemistry Dept
6	Friday	Technology based Entrepreneurship Development Programme-Residential Wiring-EEE Dept
7	Saturday	Technology based Entrepreneurship Development Programme-Residential Wiring-EEE Dept
8	Sunday	
9	Monday	Technology based Entrepreneurship Development Programme-EEE Dept
10	Tuesday	Technology based Entrepreneurship Development Programme-EEE Dept
11	Wednesday	Quiz on current affairs for Staff- English Dept
12	Thursday	
13	Friday	Workshop –IC Engines MECH Dept
14	Saturday	Working day in lieu of 19.10.17
15	Sunday	
16	Monday	Compensatory Holiday
17	Tuesday	Additional Holiday
18	Wednesday	Deepavali-Holiday
19	Thursday	Compensatory Holiday
20	Friday	3D Printing & RPD Workshop-MECH Dept
21	Saturday	
22	Sunday	
23	Monday	Kite –Technical Quiz- MECH Dept
24	Tuesday	
25	Wednesday	
26	Thursday	Paper Presentation Contest for I year students-Maths Dept, Workshop – Sustainable E&I Waste Management-MECH Dept
27	Friday	
28	Saturday	
29	Sunday	
30	Monday	
31	Tuesday	

Total number of working days: 21

NOVEMBER 2017

Date	Day	Events
1	Wednesday	
2	Thursday	Two day Workshop on Arduino-IT Dept
3	Friday	Two day Workshop on Arduino-IT Dept
4	Saturday	
5	Sunday	
6	Monday	
7	Tuesday	
8	Wednesday	
9	Thursday	
10	Friday	
11	Saturday	Second Saturday-Holiday
12	Sunday	
13	Monday	
14	Tuesday	
15	Wednesday	
16	Thursday	
17	Friday	LEQUIZ 2017- MECH Dept
18	Saturday	
19	Sunday	
20	Monday	
21	Tuesday	
22	Wednesday	
23	Thursday	
24	Friday	
25	Saturday	
26	Sunday	
27	Monday	
28	Tuesday	
29	Wednesday	
30	Thursday	

Total number of working days: 25

DECEMBER 2017

1	Friday	Milad-un-Nabi-Holiday
2	Saturday	
3	Sunday	
4	Monday	
5	Tuesday	
6	Wednesday	
7	Thursday	
8	Friday	
9	Saturday	Second Saturday-Holiday
10	Sunday	
11	Monday	
12	Tuesday	
13	Wednesday	
14	Thursday	
15	Friday	
16	Saturday	
17	Sunday	
18	Monday	
19	Tuesday	
20	Wednesday	
21	Thursday	International Conference on Power and Energy Systems (ICPES'17)-EEE Dept
22	Friday	International Conference on Power and Energy Systems (ICPES'17)-EEE Dept
23	Saturday	
24	Sunday	
25	Monday	Christmas-Holiday
26	Tuesday	
27	Wednesday	
28	Thursday	
29	Friday	
30	Saturday	
31	Sunday	

Total number of working days: 23

JANUARY 2018

Date	Day	Events
1	Monday	New year-Holiday
2	Tuesday	
3	Wednesday	
4	Thursday	
5	Friday	ECE Association Activity-IDEA-Design Contest-ECE Dept
6	Saturday	One day workshop on Ansys-Civil Dept
7	Sunday	
8	Monday	
9	Tuesday	Interdepartmental Mini Project Competition-IT Dept
10	Wednesday	
11	Thursday	Workshop on Innovation and Product Development (CIPD) – MECH Dept, , Code Debug Contest-ECE Dept
12	Friday	FEEL'18-One day Workshop-ECE Dept, E-Bogi – CSI Students" Chapter- CSE Dept
13	Saturday	Second Saturday-Holiday
14	Sunday	Pongal-Holiday
15	Monday	Thiruvalluvar Day-Holiday
16	Tuesday	Uzhavar Thirunal-Holiday
17	Wednesday	Poster Presentation-IT Dept
18	Thursday	
19	Friday	Republic day competitions for students- English Dept
20	Saturday	
21	Sunday	
22	Monday	
23	Tuesday	
24	Wednesday	Quiz Competition for II, III and IV year students-Maths Dept, One day State Level Paper Presentation Contest – CENTAC"18-Civil Dept, MOSAIC 2018 –A technical paper presentation-MECH Dept
25	Thursday	
26	Friday	Republic Day-Holiday
27	Saturday	IETE Convention (Session-II) on theme "Renewable Energy Resource and their Importance"-ECE Dept
28	Sunday	
29	Monday	
30	Tuesday	IETE Forum-Two day Workshop on "Big Data Hadoop"-ECE Dept
31	Wednesday	IETE Forum-Two day Workshop on "Big Data Hadoop"-ECE Dept

Total number of working days: 22

FEBRUARY 2018

Date	Day	Events
1	Thursday	
2	Friday	ECE Association-Guest Lecture-ECE dept
3	Saturday	
4	Sunday	
5	Monday	Two day Faculty Development Programme-EEE Dept
6	Tuesday	Two day Faculty Development Programme-EEE Dept
7	Wednesday	
8	Thursday	Guest Lecture-II-ECE Dept
9	Friday	IEEE Mini Project Contest-EEE Dept, Multimedia Contest by Kanithamizh Peravai-CSE Dept, Industrial Visit for III years-Civil Dept
10	Saturday	Second Saturday-Holiday
11	Sunday	
12	Monday	Association Activity-EEE Dept
13	Tuesday	
14	Wednesday	
15	Thursday	Quiz on current affairs for non-teaching staff- English Dept
16	Friday	Association Activity-EEE Dept, ECE Association Activity-VCET-ECE Trophy-ECE Dept, National Level Technical Seminar-CSE Dept, IE(I) – Guest Lecture-Civil Dept
17	Saturday	
18	Sunday	
19	Monday	
20	Tuesday	IEI Student Activity-EEE Dept
21	Wednesday	
22	Thursday	
23	Friday	Industrial Visit-EEE Dept, IETE Forum-Interdepartmental Multimedia Contest-ECE Dept, Two days workshop on Engineering Mathematics for GATE, IES, TANCET,etc.-Maths Dept, National Conference- MECH Dept
24	Saturday	Two days workshop on Engineering Mathematics for GATE, IES, TANCET,etc.-Maths Dept, Technical Event – CSI Students” Chapter-CSE Dept
25	Sunday	
26	Monday	
27	Tuesday	
28	Wednesday	National Science Day Celebrations- Chemistry Dept, One day workshop on Geophysical Survey-Civil Dept, Talk Show-ECE Dept

Total number of working days: 23

MARCH 2018

Date	Day	Events
1	Thursday	Robotics Work Shop- MECH Dept
2	Friday	State level students Technical Symposium-TECHSY-Physics Dept, Mechanical department association Mexuberence- valedictory
3	Saturday	
4	Sunday	
5	Monday	
6	Tuesday	
7	Wednesday	National Level Coding Contest-IT Dept, State Level Mini Project Contest m/c 2018- MECH Dept
8	Thursday	
9	Friday	IETE Forum-Technical Quiz Contest-ECE Dept, National Level Workshop-CSE Dept
10	Saturday	Second Saturday-Holiday
11	Sunday	
12	Monday	
13	Tuesday	Two day Workshop on Arduino-IT Dept
14	Wednesday	Two day Workshop on Arduino-IT Dept
15	Thursday	Interactive Session-II with Alumni-ECE Dept
16	Friday	National Level Mobile App Contest-IT Dept, One day FDP-EEE Dept
17	Saturday	
18	Sunday	
19	Monday	Mathematics Association Valedictory function-Maths Dept, 3 IDIOTS 2K18 – National Level Project Competition-CSE Dept
20	Tuesday	Valedictory of IT Association-IT Dept
21	Wednesday	English Association Valedictory- English Dept
22	Thursday	ECO CLUB Valedictory Function- Chemistry Dept
23	Friday	ECE Association Valedictory-ECE Dept, National Level Conference-CSE Dept
24	Saturday	Industrial Visit-EEE Dept
25	Sunday	
26	Monday	
27	Tuesday	Idea Contest-ECE Dept
28	Wednesday	
29	Thursday	ALCHEMI Chemistry Association Valedictory function-Chemistry Dept, Association Valedictory-EEE Dept, International Conference-Civil Dept
30	Friday	Good Friday-Holiday
31	Saturday	Technical Event – CSI Students' Chapter-CSE Dept

Total number of working days: 25

APRIL 2018

Date	Day	Events
1	Sunday	
2	Monday	Civil Association Vaedictory-Civil Dept
3	Tuesday	
4	Wednesday	
5	Thursday	
6	Friday	State level Students“ Mini Project Contest-PHYSICA-Physics Dept
7	Saturday	
8	Sunday	
9	Monday	
10	Tuesday	
11	Wednesday	Market Yourself- “My” Programme-English Dept
12	Thursday	
13	Friday	
14	Saturday	Tamil New Year-Holiday
15	Sunday	
16	Monday	
17	Tuesday	
18	Wednesday	
19	Thursday	
20	Friday	
21	Saturday	
22	Sunday	
23	Monday	
24	Tuesday	
25	Wednesday	
26	Thursday	
27	Friday	Physics Association Vaedictory-Physics Dept
28	Saturday	
29	Sunday	
30	Monday	

Total number of working days: 24

MAY 2018

Date	Day	Events
1	Tuesday	May Day-Holiday
2	Wednesday	FDP for Non-Teaching Staff-English Dept
3	Thursday	
4	Friday	
5	Saturday	
6	Sunday	
7	Monday	
8	Tuesday	
9	Wednesday	
10	Thursday	
11	Friday	
12	Saturday	Second Saturday-Holiday
13	Sunday	
14	Monday	
15	Tuesday	
16	Wednesday	
17	Thursday	
18	Friday	
19	Saturday	
20	Sunday	
21	Monday	
22	Tuesday	
23	Wednesday	
24	Thursday	
25	Friday	
26	Saturday	
27	Sunday	
28	Monday	
29	Tuesday	
30	Wednesday	
31	Thursday	

Total number of working
days: 25

JUNE 2018

Date	Day	Events
1	Friday	
2	Saturday	
3	Sunday	
4	Monday	
5	Tuesday	
6	Wednesday	
7	Thursday	
8	Friday	
9	Saturday	Second Saturday-Holiday
10	Sunday	
11	Monday	
12	Tuesday	Workshop on Java Programming-IT Dept
13	Wednesday	Workshop on Java Programming-IT Dept
14	Thursday	Workshop on Java Programming-IT Dept
15	Friday	Ramzan-Holiday
16	Saturday	
17	Sunday	
18	Monday	
19	Tuesday	
20	Wednesday	
21	Thursday	
22	Friday	
23	Saturday	
24	Sunday	
25	Monday	
26	Tuesday	
27	Wednesday	
28	Thursday	
29	Friday	
30	Saturday	

Total number of working
days: 24

Annexure II

The annual feed back from stakeholders has been encouraging and motivating giving animpetus to the college to thrust forward in the field of higher education focusing on outcome based education and stakeholders’ satisfaction.

Samples of responses are given below:

Feedback from stakeholders*

VELAMMAL COLLEGE OF ENGINEERING & TECHNOLOGY
(Affiliated to Anna University, Accredited by NBA and NAAC with A Grade)
 Madurai-Rameshwaram High Road, Viraganoor, Madurai – 625009.

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
EMPLOYER SURVEY FORM

Dear Sir/Madam,

VCET is involved in the process of continuous improvement to mould students so as to fulfil the requirements of the Industry / Business organizations. At this juncture, we would like to get your feedback about our Graduates, who is/are at present employed in your organization. This data is being collected as part of requirement of National Board of Accreditation (NBA), a Government body, under wings of Ministry of Human Resources & Development, New Delhi. NBA assesses engineering colleges in India and rates them for quality technical education. Hence, this survey form is purely meant for academic purpose in taking corrective measures by our Institution, in filling the gaps, to impart quality education to all students graduating from our Institution. We assure you that the data will be kept confidential.

Kindly mark the following attributes appropriately using him/her as your employee.

Your most valuable response to all questions is solicited and highly appreciated.

EMPLOYER DETAILS	
Name of the Organization	ORGANIZAT TECHNOLOGY SOLUTIONS
Name	RATHIAIAVELU CHANDRAN
Designation	MANAGER - PROJECT

EMPLOYEE DETAILS (to be filled by VCET/Alumni of VCET)	
Name	C. JEEVA LISNDK
Period of Study	2012 - 2016
Branch	C.S.E
Present Designation	PROGRAMMER ANALYST
Experience	14 MONTHS

Vision :
To become a Center of Excellence in the field of Computer Science and Engineering upholding social values.

Mission :

- Transforming the students into globally competent and technically well-equipped Computer Professionals with strong theoretical and practical knowledge.
- Cultivating the spirit of social and ethical values for the cause of development of our Nation.
- Enhancing the knowledge of the Faculty in Recent trends through Continuous development programs.

We would like you to take a few minutes to complete this brief questionnaire. Please indicate your feedback (+/-) of how well you think we did in meeting the objectives, using the following scale:
 4 - Strongly Agree, 3 - Agree, 2 - Partially Agree, 1 - Disagree

	4	3	2	1
1. Ability to apply computing and mathematical knowledge	✓			
2. Ability to update towards recent developments	✓	✓		
3. Ability to provide solutions for special problems		✓	✓	
4. Research and analytical skills		✓		
5. Familiarity with modern technology and gadgets		✓		
6. Involvement in public welfare			✓	
7. Resource managerial skill		✓	✓	
8. Moral and ethical behaviour		✓	✓	
9. Effective participation in teams			✓	
10. Ability to communicate effectively			✓	
11. Project managerial skills			✓	
12. Ability to engage in continuous learning			✓	

Any other comments or suggestions?

R. Raj
 Signature

Vision :
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- Enhancing the knowledge of the Faculty in Recent trends through Continuous development programs.



VELAMMAL COLLEGE OF ENGINEERING AND TECHNOLOGY
 Madurai-Rameshwaram High Road, Viraganoor, Madurai - 625009.
 DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

PARENT FEEDBACK FORM

Date: 20/11/17

PARENT DETAILS			
Parent Name	Occupation of the Parent	Contact No	Email id
M. Kavitha	House wife	9428016309	-
Address			
STUDENT DETAILS			
Name of the student	Year/Semester		
M. Vimal Kumar			

Please indicate your feedback (✓) of how well you think we did in meeting the objectives, using the following scale:
 4 = Excellent, 3 = Good, 2 = Fair, 1 = Not met

S.NO	Assessment Questions	4	3	2	1
1	Rate your son/daughter's basic engineering knowledge to become a competent computer engineer after joining VCET.	✓			
2	Rate the quality of teaching offered by the department to your son/daughter to understand the recent development in engineering.	✓			
3	How efficient is your son/daughter, in developing effective solutions to the problems.	✓			
4	Rate the ability of your son/daughter to approach and analyze a problem to arrive at concrete and effective results.	✓			
5	Does your son/daughter has learnt any new skills or techniques apart from those included in the curriculum	✓			
6	How better is your son/daughter in understanding the societal problems with his/her core knowledge?	✓			
7	Rate the awareness that your son/daughter about the available resources and ensure judicious use of them without affecting the environment for sustainable progress.	✓			
8	Are you satisfied with your ward's development of personal code of ethics?	✓			
9	Are you satisfied with your ward's group activity during their course of study?	✓			
10	Rate your son/daughter's comfort while speaking in a large group and do you think that your ward has acquired communication skills after joining to our college?	✓			
11	Are you satisfied with the training provided by the department to your son/daughter to do interdisciplinary projects and carry them out in time and utilize fund in a meaningful way?	✓			
12	Rate the training provided by the institution to prepare you son/daughter a successful self-reliant engineer?	✓			

Any other Comments:

M. Kavitha
 Signature with date 20/11/17

Vision

• To become a Center of Excellence in the field of Computer Science and Engineering upholding social values.

Mission

- Heightening the knowledge of the faculty in recent trends through continuous development programmes.
- Transforming the students into globally competent and technically well-equipped Computer Professionals with strong theoretical and practical knowledge.
- Cultivating the spirit of social and ethical values for the cause of development of our Nation.

Annexure iii

7.3 Best Practices

7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the College.

The Institution can proudly proclaim that it has more than two best practices; however the following two best practises have been chosen to show case the achievements of the college:

1. Inculcation of Research Culture among Faculty and Students
2. Placement and Training (Career Development)

Best Practice 1:

Title: Inculcation of Research Culture among Faculty and Students

A Research Committee constituted in the college functions with the following

Goals:

- To inculcate the culture of research among faculty and student
- To identify the emerging and thrust areas of research and disseminate the information to staff and students
- To stimulate the faculty to initiate the work in the chosen area of interest and involve students in the project
- To motivate the faculty to present the findings in reputed journals / National / International Conferences and refine the on- going research work
- To stimulate the faculty and student to present/ publish the research papers in national / international conferences /reputed journals
- To encourage faculty use this opportunity to work towards a Ph.D. degree
- To give impetus and assistance to faculty to apply to funding agencies like AICTE, DST and DRDO for furthering their research work
- To kindle interest in students for active involvement in short duration and long duration projects.
- To uplift research work to the level of patenting
- To liaise with the management for procuring and establishing optimal infra-structure facilities required for research
- To identify thrust areas to know the individual research interest

The Context:

Gone are the days when academicians can sit in ivory towers and look down upon lesser mortals. The current demand of the society is for the learned to come down to earth and return to the society what they have received in a more beneficial form. To whom is this demand valid for if not the Engineers!

The repute of any educational institution rests on teaching – learning process and R & D activities. R & D as we all know refers to Research & Development – Research therefore is the back bone for the development of the students, teachers and the Institution

The college being conscious of this state of affairs, has been giving dynamic thrust towards developing and augmenting the research activities of the college to keep abreast of the advances in the fields of Engineering & Technology. Inculcating research aptitude in faculty members and students has taken priority almost equal to the teaching-learning process. The competency

of the students to face the challenges of the society at the end of their four-year tenure will be enhanced not just by their grades and ranks but the ability to apply their knowledge, analyse the problem, synthesize a solution and evaluate the outcome. These skills are developed by working on real time projects during their academic career. In order to direct the students along these lines, the faculty also have to be fully equipped in planning and guiding research. Just as much as the teaching learning process is a partnership between the teacher and the student, so also is the research and development process in which the guide and the researcher have equal role to play.

The outcome of research should be relevant to the societal needs and a section of the society at least should be direct beneficiaries. Therefore, taking up research activities shapes a person with moral responsibility and a value system that enhances his/ her commitment towards fulfilling the needs of the society.

Thus the college wishes to show- case the R&D activities of the college as one of the best practices.

The Practice:

The contextualization of the above is effected by the following practices:

- Faculty pursuing Ph.D and with Ph. D. degrees are encouraged to attend and present papers in national and international conferences to get exposed to recent and emerging trends in their fields of interest.
- To facilitate the same, the management extends financial assistance to the tune of 50% towards TA, DA and registration fee. On duty leave can be availed by the teachers for such participations. These provisions are also extended to students for participations in seminars/ symposia/ project contests etc.
- Teachers with Ph.D. are given monthly financial allowance of ` 10000/ to help meet expenditure towards furthering their research work
- Concession in weekly work load up to six hours is offered to faculty working on funded projects.
- External experts from bodies like DST and DRDO are invited to address the faculty to give assistance in preparing a project report to be submitted for funding.
- Seed money is provided to carry out work necessary preliminary work to enhance the probability of receiving funding
- Eminent researchers are invited to campus for delivering lectures during National and International seminars/ workshops/ conferences organized by the various departments in the college to boost the knowledge level of the faculty and the students.
- Faculty can apply to the management for travel, boarding and lodging allowances to visit reputed research laboratories and funding agencies like AICTE, DST and DRDO either to submit their proposals in person or follow up the submitted proposals.
- As a part of the curriculum prescribed by the Anna University. The final students have to take up and complete project work. Turning this to the advantage of students, the nature of project work assigned to the students is of quality and sometimes a portion of the research work

carried out by the faculty members. Such a practice lifts the level of the students to a higher platform of knowledge domain.

- Winners in project contests are rewarded with equal prize money by the management during Annual College Day celebrations as recognition to the work of the student and as a motivation to the others to follow suit.
- Memorandums of Understanding have been signed with many industries / agencies and such a practice plays a vital role in interaction of faculty and students with the industries and design projects in collaboration with them.
- The idea of Interdisciplinary projects has been promulgated and this has caught on by the students and faculty.
- CIPD has been set up which has culminated in establishing a Business Incubator bagging fund to the tune of ` 43 lakhs.

Evidence of Success:

- FOUR departments have been recognized as research centers by Anna University, Chennai.
25 faculty members have been conferred with Ph. D and many faculty members are actively engaged in pursuing the degree.
- Funds to the tune of 6.5 crores have been received by different faculty members from various funding agency which is boast -worthy for a growing institution like ours.
- The above projects include interdisciplinary research work of IT & and Mechanical faculty and CIVIL &ECE faculty
- The department of Chemistry has extended help and expertise to students of CIVIL and Mechanical Engineering for part of their project work / working of built contraptions.
- Such a track record has reflected in the campus placement record of students.

Problems Encountered and Resources Required:

1. Time constraint is a spoke in the wheel, in planning and execution of research specially during formative and summative assessment processes and when ad hoc responsibilities are assigned.
3. More generous seed money / advance from the management for preliminary work or while awaiting funds from agencies is always welcome.
4. Prompter reply from funding agencies will be encouraging.

If the funding agencies can point out the reason for rejecting the proposal or offer suggestions for improvement, it will go a long way in the development to faculty and hence the students.

Best Practice 2:

Title: Training&Placement

Goals:

- To persuade the students to possess a sound technical knowledge in the area of study
- To enhance the programming skills of students
- To train the students in time- bound answering of aptitude tests
- To help students excel in language and communication skills
- To prepare the students for different levels of selection process such as group discussions and one-to- one interviews

- To help boost the students' confidence level through soft skills training
- To inculcate the importance of projecting a smart appearance
- To groom the students to the corporate level
- To ensure that all eligible students are employed by the end of the final year of study

The Context:

The Nation, specially Tamil Nadu has witnessed a massive inclination towards Engineering Education in the past years and the trend has not let off. One of the major reasons for this preference is the employment opportunities the IT and other corporate sectors have been able to offer to fresh graduates with lucrative pay packets. With more than 550 Government and private Engineering colleges and deemed to be universities offering professional education, if an institution has to find a place of repute, it has to be different and it has to be elite in terms of academics and in terms of training it offers to enable the students graduate successfully with a job offer in hand. If not the very survival of the institution is put under a question mark. In this context, it has become imperative for a reputed institution like ours to ensure to the level best, that its primary stake holders are satiated with respect to their expectations.

Our Management being not new to this aspect of success has had a pointed focus on the training the students for campus placement from the first batch of students onwards. Within a short period, a placement has been established with an experienced Placement Officer in charge. Since then the placement process of the college has taken a leap towards successful placement of students.

The Practice:

The campus recruitment comes under the purview of the placement officer. The placement officer is assisted by a team of Placement coordinators drawn from each department – one faculty member and two student members. This team plans and coordinates the activities related to placement training.

At the end of the third year, students are given the choice to opt for campus placement, the other choices being progression to higher studies/ aiming to be an entrepreneur. The choice of the student is endorsed by the parent / guardian in writing. This choice stream lines the student towards his. her future. The Intensive placement training is offered only to those who have opted for campus recruitment. It is worth mentioning that till the third year all students undergo the common training programs irrespective of the options they may be choosing. Such an approach to the training programs ensures that all students get quipped to employability to a certain extent.

The time table incorporates the periods allotted for accommodating these sessions- 4.10 to 5.30 P.M. every day.

A systematic and scientific approach has been developed for effective training of the students towards campus recruitment. The process chart below demonstrates the steady build-up of skills required for direct campus recruitment.

To augment the training given by the faculty of the college resource persons of repute are brought in to enhance the skills of the students.

- External experts from PAC training Academy, Chennai and Learn

-
- Well Chennai are invited to render soft skill training to the students
 - Special sessions for General aptitude training are handle by trainers like Mr.EldoRanjith ofT.I.M.E and experts from institutions like FACE and SMART
 - On- line placement tests are taken up the students on a regular basis to enhance aptitude, mental ability and reasoning skills of the students

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The college emphasizes on the dress code of students as part of grooming the students. The students should strictly adhere to the dress code -

Boys – formals with shirts neatly tucked in with formal belts, formal black shoes with black socks. They should not sport a beard and hair should be neatly cut.

Girls- formal salwar –kameez / chudithars with neatly plaited hair, black shoes and black socks.

On all college occasions and definitely at the time of campus recruitment the students are required to wear the college blazer.

The following should also find a place in this context

Campus placement includes non IT sector companies – the companies / industries that recruit students, branch wise. The placement cell takes all efforts to place students in core companies and if the companies do not come down to Madurai, students are taken to campus interviews scheduled in VelammalEngineering College, Chennai. Also off campus interviews in industries are planned by the placement officer exclusively for students of Velammal College of Engineering & technology.

Evidence of Success:

All the efforts of the college bear fruits and the college has registers a note-worthy placement record. The following bar chart picturizes the data. The data for

On campus Placement details for 14-18 batch is detailed below:

Total offers - 216

	CSE	ECE	EEE	IT	MECH	CIVIL	TOTAL
Total No. of Students Placed	51	28	29	17	38	2	165
Placement %	96.23	90.32	70.73	100	74.51	18.8	81.68

Maximum Salary :Rs. 12.80 Lakhs per annum
Minimum Salary :Rs. 2.60 Lakhs per annum
Average Salary : Rs. 3.40 Lakhs per annum

Off campus placed number – 55

Total placement percentage – 85.60
