Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**VIDYAVARDHINI'S COLLEGE OF ENGINEERING AND TECHNOLOGY**
Name of the head of the Institution	**Harish V. Vankudre**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**0250-2350988**
Mobile no.	**8788661691**
Registered Email	**vcet_inbox@vcet.edu.in**
Alternate Email	**principal@vcet.edu.in**
Address	**K. T. Marg, Vasai Road (W), Dist. Palghar**
City/Town	**Vasai Virar Municipal Corporation**
State/UT	**Maharashtra**
Pincode	**401202**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. Megha Trivedi**
Phone no/Alternate Phone no.	**02502338234**
Mobile no.	**9764197184**
Registered Email	**iqac@vcet.edu.in**
Alternate Email	**megha.trivedi@vcet.edu.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://vcet.edu.in/committees/iqac-3/

4. Whether Academic Calendar prepared during the year

Yes

if yes,whether it is uploaded in the institutional website: Weblink :	https://vcet.edu.in/wp-content/uploads/2021/05/Academic_Cal_Even_2018-19-1.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B+**	**2.69**	**2019**	**28-Mar-2019**	**27-Mar-2024**

6. Date of Establishment of IQAC

10-Jul-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
Formation of NBA	**15-Jul-2019**	**6**

Institute level committee for NBA preparation	1		
Standardization of documents for teaching learning process	07-Jan-2019 13	7	
Regular Meetings of IQAC	02-Nov-2018 1	10	
Regular Meetings of IQAC	20-Aug-2018 1	10	
Academic Audits of the Departments	01-Jul-2018 365	7	
Internal Internship	24-Jun-2019 10	12	
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr. Ashish Chaudhari, Assistant Professor, Department of Mechanical Engineering, VCET Vasai	Minor Research Proposal, University of Mumbai	University of Mumbai	2019 365	50000
Ms. Madhumita Dutta, Assistant Professor, Department of Mechanical Engineering, VCET Vasai	Sponsored Project	DST and Texas Instruments	2019 365	19000
Ms. Madhumita Dutta, Assistant Professor, Department of Mechanical Engineering, VCET Vasai	Sponsored Project	DST and Texas Instruments	2019 365	14000
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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)

Academic audits of all the Departments was conducted by experienced educators from reputed Institutes

Formation of IPR cell, Swayam-NPTEL VCET Local Chapter and NSS chapter

Conduction of Internal Internship

Open Access of Library

Standardization of documents for teaching learning process

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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
External Academic audit	External Academic audit of all the Departments was conducted by experienced educators from reputed Institutes
Standardization of documents for teaching learning process	All documents related to teaching learning across all departments were standardised
Formation of IPR cell, SwayamNPTEL VCET Local Chapter and NSS chapter	Seminar on IPR and Patent filing was conducted on 05/10/2018 which benefitted 58 participants The SwayamNPTEL VCET Local Chapter was constituted on 05/09/2018 and 15 member committee was formed to promote the activities A NSS committee comprising of 8 members was formed on 24/07/2019
[View File](#)	

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
College Development Committee	04-May-2021

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No

16. Whether institutional data submitted to AISHE:	Yes

Year of Submission	2019

Date of Submission	24-Jan-2019

17. Does the Institution have Management Information System ?	No

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Vidyavardhini's College of Engineering and Technology is affiliated with the University of Mumbai and approved by AICTE. It offers six undergraduate programs viz. Mechanical Engineering, Electronics and Telecommunication Engineering, Instrumentation Engineering, Computer Engineering, Information Technology, and Civil Engineering. Before commencement of every semester, the Principal conducts a meeting with the Head of Departments and all other functional heads to finalize the academic calendar. It is prepared in line with the guidelines provided by the University of Mumbai. It also includes all major co-curricular activities like Product Showcase, Project Showcase, Hackathon, etc., and extra-curricular activities like Sports, College Cultural Fest, etc. Academic Calendar is displayed on all notice boards and College Website. Head of Departments allocates workload to faculty members based on their expertise and subject preferences. Time table is proposed and approved by the Principal. All the faculty members prepare lesson plan and course file which includes syllabus, notes and University question papers, etc. The course booklet is maintained by individual faculty members which includes the lecture execution report, Course Outcomes, Course Outcome-Program Outcome mapping, etc. Project progress is monitored and evaluated by project guides along with a panel of members at various stages. Record of the same is maintained in a separate Project handbook. Effective curriculum delivery is ensured by classroom teaching, modern teaching-learning tools, tutorials, case studies, quizzes, assignments, internal assessment, mini-projects, industrial visits, internships, etc. Continuous assessment of each student is done throughout the semester. Student attendance is monitored monthly and the defaulter list is displayed on the notice board and parents are intimated thorough letters about the same by respective proctors. Online teaching feedback from students is

taken twice a semester and reported to the authority for appropriate steps to be taken.					

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
One week Refresher course in ANSYS, CFD, and MATLAB with industrial case studies	**Nil**	**04/03/2019**	**5**	**Employabil ity**	**ANSYS, CFD, and MATLAB**
2 Days Solariser Workshop on Solar Use and Application	**Nil**	**27/01/2019**	**2**	**Employabil ity**	**Solar use and application**
Workshop on PYTHON	**Nil**	**27/07/2018**	**1**	**Employabil ity**	**PYTHON**
Workshop on Introduction of MATLAB	**Nil**	**01/01/2019**	**1**	**Employabil ity**	**MATLAB**
Workshop on Arduino	**Nil**	**31/01/2019**	**1**	**Entreprene urship**	**Arduino**
Students Training on "Embedded System and IOT"	**Nil**	**28/06/2019**	**3**	**Employabil ity**	**Embedded system and IOT**
Workshop on PLC and HMI	**Nil**	**12/02/2019**	**1**	**Employabil ity**	**PLC and HMI**
Workshop on Modern Web Application Development	**Nil**	**16/02/2019**	**2**	**Employabil ity**	**Web Application Development**
Workshop on Robotics	**Nil**	**17/06/2019**	**5**	**Employabil ity**	**Robotics**
Workshop on Machine Learning with Tensor flow	**Nil**	**25/06/2018**	**10**	**Employabil ity**	**Machine Learning with Tensor flow**
Student Development Program on "Full Stack	**Nil**	**25/12/2018**	**25**	**Employabil ity**	**Full Stack Development**

Development"					
Student Development program for TE on "Web Programming"	Nil	21/06/2019	10	Employabil ity	Web Programming
Student Development program for SE on "Primer to Web Programming"	Nil	21/06/2019	10	Employabil ity	Primer to Web Programming
2 Day workshop on Ferrocement and its Application	Nil	04/07/2019	2	Employabil ity	Ferrocement

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Mechanical Engineering	09/07/2018
BE	Mechanical Engineering 2nd Shift Direct Second Year Admission	09/07/2018
BE	Electronics and Telecommunication Engineering	09/07/2018
BE	Instrumentation Engineering	09/07/2018
BE	Computer Engineering	09/07/2018
BE	Information Technology	09/07/2018
BE	Civil Engineering	09/07/2018

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

	Certificate	Diploma Course
Number of Students	533	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
Competitive exams and	12/01/2019	277

	08/07/2019	277
Aptitude Training for TE by Campus credential		
Soft skills (GD and PI) Training for TE by Campus credential	08/07/2019	277
German Language Training Program	16/07/2018	25

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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	Mechanical Engineering	116
BE	Electronics and Telecommunication Engineering	61
BE	Instrumentation Engineering	72
BE	Computer Engineering	29
BE	Information Technology	16
BE	Civil Engineering	19

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

The Institute believes in imparting value-based education to students in order to develop their technical skills and professional competency in tune with industry requirements. Institute collects year-wise feedback from different stakeholders such as students, alumni, teachers, employers and parents. The primary goal of this policy is to provide a framework for obtaining, summarizing and documenting information on student and stakeholder perceptions of the quality and effectiveness of the Institute's curriculum which can be used in program evaluation, accreditation and other academic quality assurance processes and activities. The scope of this policy covers all the programs run by Vidyavardhini College of Engineering and Technology, Vasai. This policy mainly focuses on providing: 1. Monitoring and improving the quality of students' learning experiences through the timely collection, analysis and reporting of student feedback. 2. Providing students and stakeholders with the opportunity to actively participate in the continual improvement of programs. 3. Recognizing, documenting, supporting and extending good practices for effective implementations of curriculum provided by affiliating University. 4.

Ensuring the provision of information to students and stakeholders regarding the consideration of feedback collected over time, including actions taken to address concerns raised in any feedback received. Feedback Coordinators are jointly responsible for the collection, analysis and reporting of stakeholder feedback relating to academic programs. Analysis is carried out from the ratings received on the basis of attributes such as modern teaching aids, industry-institute-interaction, laboratory facilities, library and reading room facility, University curriculum, etc. The inferences are drawn from qualitative remarks and suggestions on aspects like content delivery, value added and bridge courses, placements, projects, etc. Many beyond syllabus activities and skill development programmes are planned accordingly to match the recent industrial trends. The stakeholder's feedback is analyzed by criteria coordinators and action plan is prepared and disseminated to each department for deployment. Student development programmes such as Certified Courses and Value Added Courses on recent trends like Embeded System IOT, Boot Camp for Competitive Coding, Drone Workshop, Ansys, CFD, MATLAB, Aurdino, Refresher Course for technical interview preparation, Career Planning and Preparation for Competitive Exam, German language training program, etc. were organized. As the Institute is affiliated to the University of Mumbai, feedback regarding updating curriculum is taken through various activities such as guest lectures in emerging areas by industry experts, focused industrial visits, linkages with industry and other research organizations through student projects and faculty programmes. Faculty Development Programmes such as "Use of ICT Tools" and "Virtual Lab Development", Natural Language Processing and Deep learning, Hands-on Training on "IoT and Machine Learning, etc. were organized by the Institute for strengthening content delivery. Recommendations made from the feedback comprise recommendations to Board of studies for changes in the syllabus of the University and the suggestions made to management on procurement of facilities and equipment. Recommendations received from the heads are discussed in HODs meeting and forwarded to management for approval/sanctions. The objective of this policy is effective implementation of Curriculum for better learning and continuous improvement of the processes and practices.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Civil Engineering	60	Nill	61
BE	Information Technology	60	Nill	62
BE	Computer Engineering	60	Nill	62
BE	Instrumentation Engineering	60	Nill	43
BE	Electronics & Telecommunication Engineering	60	Nill	60
BE	Mechanical Engineering	60	Nill	62
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2.2 – Catering to Student Diversity					

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1809	Nill	104	Nill	Nill

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
104	104	14	19	6	12
[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 well-structured mentoring (proctor) system is established in the Institute. The faculty members are actively involved in mentoring the students with an objective of ensuring the holistic progress of the student. Mentors are assigned to the students at the time of joining the Institute. The main concept of mentoring is to guide students in taking right decision for their academic and personal growth. Mentoring also helps students with their morale and makes them aware of their learning abilities. Mentoring system is also meant to encourage healthy relationship between the students and the faculty. Respect, trust, and a mutually shared objective form the foundation of a Mentor – Mentee relationship. Process: 1. During the orientation program, the first year and direct second year students are introduced to the mentoring system. Parents of the admitted students are also given orientation about the same. 2. Each proctor addresses approximately 15-20 students. These proctors counsel the students until their graduation. 3. The proctor maintains a record book which has personal and other details to observe academic, parent meeting records, extra and co-curricular performance of the mentee. 4. The proctor also communicates performance of the mentee with their parents/guardians. Along with academics, the mentor guides and encourage the mentee for participation in co-curricular and extra-curricular activities. This practice instils confidence in students to face the professional challenges. Exposure in inter-collegiate events, viz. group discussions, project competitions, technical paper presentations, and cultural programs develops an all-round personality. There have been various instances where the mentoring system has helped individuals to cope up with the highs and lows of college life. This system also helps to set students on the right track. Thus, the Mentoring system paves the way towards betterment and progress of the Mentees. In case the proctor identifies a psychological/emotional issue with the mentee, it is taken up with the class in charge, head of the department and parents. If required, the case is escalated to the professional counsellor available in the Institute. The proctor keeps a follow-up with the mentee, parents, and the counsellor. Efficacy of the mentoring system: • Good relationship between the proctor and the mentee helps in tracking the performance of the students and provide guidance at appropriate time. • Professional guidance by the mentors and related activities carried out in this direction, help the students to make right educational/career choices. • Career guidance by the Training and Placement Cell helps the students to acquire better placements offers and to build successful careers. • Academic issues of the students get identified at right time and necessary measures are taken. • Weak learners are greatly benefited through personal counseling and extra classes. • Bright learners get better prospects to nurture their skills. • The academic progress monitoring helps to achieve better results. • Encouragement by the proctor to participate in co-curricular and extra-curricular activities facilitates all-round development of the students. To maintain emotional and mental health, the Institute has appointed well qualified (M.A, Psychology) and experienced psychologist who visits the Institute.

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

1809	104	1:17

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
86	104	Nill	Nill	10

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Mrs. Pranali Sapre	Assistant Professor	Dr. APJ Abdul Kalam Life time achievent National award in the field of Teaching, Research and Publication
2019	Mr. Vinay D. Patel	Assistant Professor	Best paper award, NIT Delhi, NCAME 2019
2018	Mr. Mohan Dusane	Assistant Professor	Appreciation letter from Brihanmumbai Municipal Corporation(B.M.C.) for Project in Desigining Roundabout at Charkop Market, Kandivali (West)
2018	Mrs. Sandhya Supalkar	Assistant Professor	Awarded EliteSilver certificate for the course Digital Circuit conducted by NPTEL.
2018	Mrs. Ekta Naik	Assistant Professor	Awarded Elite certificate for the course Digital Circuit conducted by NPTEL.
2019	Mrs. Shaista Khanam	Assistant Professor	Awarded EliteSilver certificate for the course Microprocessors and Microcontrollers conducted by NPTEL.
2019	Mrs. Shaista Khanam	Assistant Professor	Awarded Elite certificate for the

2019	Mrs. Trupti Shah	Assistant Professor	Awarded EliteSilver certificate for the course Microprocessors and Microcontrollers conducted by NPTEL.
2019	Mrs. Maryam Jawadwala	Assistant Professor	Awarded EliteSilver certificate for the course Introduction to Automata,Languages and Computation conducted by NPTEL.
2019	Mrs. Anagha Patil	Assistant Professor	Awarded EliteSilver certificate for the course Data Mining conducted by NPTEL.

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	319461290	VIII/BE	24/05/2019	12/07/2019
BE	319419110	VIII/BE	24/05/2019	11/07/2019
BE	319424610	VIII/BE	24/05/2019	03/07/2019
BE	319424510	VIII/BE	24/05/2019	04/07/2019
BE	319446610	VIII/BE	24/05/2019	08/07/2019
BE	319437210	VIII/BE	24/05/2019	06/07/2019
BE	319461210	VIII/BE	24/05/2019	12/07/2019

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

A well-structured evaluation methodology exists in the Institute to enhance the Teaching-Learning process. As per guidelines from University of Mumbai, the Institute organizes centralized Internal Assessment twice in a semester. The syllabus of the same is informed in advance to the students. Every department in the Institute has an Internal Assessment Monitoring Committee (IAMC) for assuring quality of the question papers. The IAMC is responsible for approval of the question paper pattern, ensuring that the appropriate percentage of syllabus is covered in the question paper, verifying if the questions are prepared based on Revised Blooms taxonomy verbs thus ensuring quality corresponding to CO and cognitive levels. Assessed papers are distributed to

students, and answers along with evaluation schemes are discussed with students. The result is then displayed on the notice board. Practical / Tutorial / Workshop Practice / Assignment are conducted as per schedule and assessment is based on a rubric. The students are also made aware of the evaluation process. Sometimes challenging problems are given in the assignment and additional marks are given for unique solutions. Quizzes mostly consist of objective questions related to the subject and its applications, are conducted on a regular basis. Our College has a Centralized Assessment Process (CAP) Center for Second- and Third-year University/final exams wherein answer sheets are coded, evaluated and moderated as per University norms. On-line assessment for First and Final year is carried out smoothly to assist declaration of results within stipulated time. A well-structured evaluation methodology ensures that students are up to date when it comes to academics along with their co-curricular activities.

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

The academic calendar of the Institute is prepared semester-wise. Institute's academic calendar is prepared in line with the University of Mumbai's academic calendar. For preparing the Institute academic calendar inputs are taken from HODS registrar, Examination in charge, Student council in charge, Training and Placement, etc. After discussing with all academic calendar is finally approved by Dean-Academic and Principal. The tentative academic calendar is disseminated to the students and faculty well in advance before the beginning of academic term by publishing on the Institute website. The major activities in the academic calendar are: • Term start and end dates. • Internal assessment dates • Declaration of Internal Assessment test results • Online feedback (two times in a semester) • Course and program exit surveys. • Defaulter list and attendance track record by proctors and Head of Departments • Major co-curricular and extracurricular activities • Mention of public holidays declared by the University of Mumbai and by the Collector • Commencements of theory /practical/viva exams etc. are strictly adhered to the schedule given by University of Mumbai. Also, we separately publish departmental activity calendar which includes • Department meeting • Proctor meeting • Placement activities • Events related to students' activities. Any need for a change in schedule is permitted after due deliberation in Head of Departments Meeting with Principal.

2.6 – Student Performance and Learning Outcomes

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

https://docs.google.com/document/d/1dDv-XTF8xwJlOpARinIN9Y73E7zRU-51/edit?usp=sharing&ouid=10023707531734815462&rtpof=true&sd=true

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
319461290	BE	Mechanical Engineering-II	63	61	96.83
319419110	BE	Civil Engineering	68	65	95.59
319424610	BE		71	80	100

		Information Technology			
319424510	BE	Computer Engineering	80	80	100
319446610	BE	Instrumentation Engineering	72	68	94.44
319437210	BE	Electronics and Telecommunication Engineering	78	76	97.44
319461210	BE	Mechanical Engineering	77	76	98.7
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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://vcet.edu.in/wp-content/uploads/2021/08/SSS_Report-2018-19.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Minor Projects	365	University of Mumbai	0.5	0.2
Major Projects	365	DST and Texas Instrument	0.19	0.19
Major Projects	365	DST and Texas Instrument	0.14	0.14
		View File		

3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
IPR-Patent Drafting by Dr.Gopakumar Nair, Director Patent Gurukul, Mumbai	Mechanical Engineering	05/10/2018
Ansys Workshop by Mr.K.Vijay, Indian Registrar of Shipping,Mumbai	Mechanical Engineering	27/02/2019
MechExpo Product showcase	Mechanical Engineering	28/08/2019
One day seminar by Mr. SiddheshVartak, Godrej and Boyce, Mumbai on HVAC	Mechanical Engineering	15/02/2019

Industries - Future Scope and Market Strategies		
One day seminar by Ms. Gauri Parker on scope of design in Mechanical Engineering	Mechanical Engineering	23/01/2019
One day seminar by Mr.Parin Dave, Technimont, Mumbai on Scope of Mechanical Engineering	Mechanical Engineering	13/02/2019
One day seminar by Ms. NeenaParadkar, Sulzer Pumps, Mumbai, on Centrifugal pump and design	Mechanical Engineering	26/03/2019
2 Days Solariser Workshop on solar use and application byMr. Kunal Solanki M/s. kWatt Solutions, Pvt. Ltd., Mumbai	Mechanical Engineering	27/01/2019
One day seminar by Mr.Harendra G. Mistry, Technimont, Mumbai on Career Opportunities in Technimont industries.	Mechanical Engineering	04/08/2018
One day seminar by Mr.Satish Patil on Opportunities in Mechanical Engineering	Mechanical Engineering	27/09/2018
Seminar on Introduction to industry oriented software on reverse engineering was delivered by Ms. Usha Shaikh, Ask Me Engineers, Mumbai	Mechanical Engineering	20/02/2019
Guidance Seminar Preparation of quantitative aptitude and technical test for industrial placement by Ms. Sanika Saraff	Mechanical Engineering	16/09/2018
Workshop on Python by 1. Mr.Maneesh Singh , Senior software Engineer , Acclivis Technology Pvt. Ltd., Pune 2. Ankur Tiwari, Director, Thoughtlytics Pvt.Ltd.Vasai	Electronics and Telecommunication Engineering	18/07/2018
Scope after Engineering by 1. Mr.ManojKansara, Director at Learning Edge	Electronics and Telecommunication Engineering	18/08/2018

- A Study Overseas Consultancy, Mumbai. 2. Squadron Leader Mrs. Janhavi Khanolkar (Ret), Engineering Officer, Indian Air Force 3. Ms.ShefaliGolatkar,UI/UX Design Consultant, Fr		
Scope of networking by Mr. Anirudh Iyer, Cybersecurity Architect, CISCO, Canada.	Electronics and Telecommunication Engineering	18/09/2018
Internet of Things by Edgegat Technology, Banglore (Texas Instruments University Program)	Electronics and Telecommunication Engineering	21/01/2019
Career Guidance: Scope of engineers in finance domain by Mr. DivyaPrakashModi, Business Analyst, Lincoln Financial Group,US.	Electronics and Telecommunication Engineering	04/02/2019
Higher Education Scope And Methods by 1. Mr.Moushakik Khanra, Channel Sales, Imperial Overseas Education Consultant, Mumbai. 2. Ms.Nisha Rao, Channel Sales, Imperial Overseas Education Consultant, Mumbai	Electronics and Telecommunication Engineering	07/02/2019
Soft skills and opportunities abroad by Ms.Olga Krylatova, PR and Event Manager, IEEE Member of Russian Federation, Russia.	Electronics and Telecommunication Engineering	01/03/2019
Oscillations19-Seminar on - Role of Modern Electronics in Predictive Maintenance of Electrical Equipments by Mr.Joby George (Vice-President-Technical Training, Adani Group)	Electronics and Telecommunication Engineering	02/04/2019
ANVESHAN product showcase	Electronics and Telecommunication Engineering	28/09/2018
Seminar on "How to Crack On-Campus Aptitude Test and Technical Interview" by Mr. Runeet Palekar, Mr. Abhishek Singh,	Electronics and Telecommunication Engineering	02/08/2018

Alumni		
Workshop for final year students on PLC and HMI. by Mr. Rakesh Patil, Director, Pyramid Automation, Vasai.	Instrumentation Engineering	31/08/2018
Seminar on Scope Of Instrumentation by Mr. Rushikesh Bhagat, Sr. Engineer, Omron Automation Pvt. Ltd., Mumbai	Instrumentation Engineering	07/09/2018
An Exhibition of the Engineering Products "Product Showcase -YANTRA 2018" 1. Mr. Arvind Mangarsi, CEO, 3TECH ELEKTRO,Mumbai 2. Mr. Vaibhav Narkar, Regional Head, VEGA, Mumbai, 3. Mr. Umesh Dhamankar, Director, M/S. Groups Automation, Vasai	Instrumentation Engineering	28/09/2018
A seminar on "Sales the way" by Mr. Arvind Mangarsi, CEO, 3Tech Elektro, Mumbai.	Instrumentation Engineering	28/09/2018
A Seminar on "Higher Studies in Germany" by Mr. Runeet Palekar, Pursuing Masters Degree at University of Stuttgart, Germany	Instrumentation Engineering	15/10/2018
A Seminar on "Functional Safety" by Mr. Ajinkya Patil, Assistant Manager, TUV India Pvt.Ltd., Mumbai	Instrumentation Engineering	12/10/2018
Seminar on 'Successful project planning and execution' by Mr. A. P. Kamath, COO, Cypress Magnetics (India) Pvt. Ltd., Vasai	Instrumentation Engineering	05/04/2019
Seminar on 'Being Techno Commercial' by Mr. Shivang Desai, the Business Development Manager and HR, Process Precision Instruments, Vasai.	Instrumentation Engineering	12/02/2019
Seminar on 'Process Control' by Mr. Kumar, Managing Director,	Instrumentation Engineering	28/02/2019

Process Precision Instruments, Vasai		
Two days workshop on Modern Web Application Development by Mr.Shahbaz Khan, Mr.Danish Shah, Mr.Jawad Shaikh, Developer at Difference Engine AI	Computer Engineering	16/02/2019
Workshop on Robotics by 1. Mr. Philip Joseph, Engineer at Janutech Robotics 2. Mr.Amit Kanswal 3. Mr.Keval Shah, Engineer at Janutech Robotics, Vasai 4. Mr. Sanil Jain BE Instrumentation,Vasai	Computer Engineering	17/06/2019
Seminar on Machine Learning by Mr. Gejo Shreenivasan, Director, Career Launcher, Mumbai	Computer Engineering	03/04/2019
Abacus18 1. Mr. Pranav Dave , Director, Innovative Creators, Vasai 2. Mr.Vicky Ajmera , Founder, SkyindyaTechnologies,Vasai	Computer Engineering	28/09/2019
Seminar on Improving Skills for BE students by Ms.Najiba Halim, Software Engineer at Cimpress	Computer Engineering	28/08/2019
Seminar on Software Quality Testing and Testing tools by Mr. Pushkar Bapat, Senior Consultant- Software Testing Quinnox consultancy Pvt. Ltd., Mumbai	Computer Engineering	28/02/2019
AICTE-ISTE approved one week STTP on Emerging Trends in Operations Research by Prof. Pankaj Dutta, IIT Bombay Dr. Uday Pandit, SFIT,Borivali Dr. G. Srinivasan, IIT Bombay Dr. Satish Takalikar, DJSCOE,Mumbai Mr.Utkarsh Verma, IIT Bombay and Ms. Tejas	Computer Engineering	24/06/2019
One week SDP on Advances in Big Data and Analytics	Computer Engineering	01/07/2019

by Mr.Pranav Dave and Mr.Ganesh Shinde Director at Innovative Creators,Vasai		
AICTE-ISTE Approved STTP Machine Learning with Tensorflow by 1. Mr. Arun Gupta, Here Technologies 2. Mr. Sandip Nagale TCS, Mumbai.	Information Technology	25/06/2018
Elixir product showcase	Information Technology	28/09/2018
Hackathon coding competition by 1. Mr. Kunal Bharti, Director, Raw Engineering 2. Mr. Swapnil Karvir, CEO, SS Dias Works, Vasai 3. Mr. Amey Raut, Director, OTET InfoSystems,Virar	Information Technology	05/10/2018
Seminar on IoT by Mr. Sachin Sadre, Senior Manager, LandT, Mumbai Mr. Dnyneshwar Kamble, TCS, Mumbai	Information Technology	31/08/2018
Seminar on "Home Automation" by Mr. Fahd Khatib NCC Telecom Pvt. Ltd., Goregaon, Mumbai	Information Technology	07/09/2019
Seminar on "Software Testing- Manual Vs. Automated" by Mr. Nilesh Jain, CEO, Vervali Systems,Vasai	Information Technology	09/01/2019
Expert talk on "Software Quality Testing and Testing Tools" by Mr. Pushkar Bapat, Sr. Consultant-software testing, Quinnox Consultancy Pvt. Ltd., Mumbai	Information Technology	28/02/2019
Workshop on Application of Ferrocement in Civil Engineering Structure by Jalmitra Er. Ulhas Paranjape, Jalvardhini Trust, Mumbai	Civil Engineering	04/07/2018
Expert Lecture on Fire Safety System in Real Estateby Mr. Parth Gupta Owner of TFPC, Vasai, Mumbai	Civil Engineering	21/09/2018
Seminar on Estimation of Repair Works by Prof	Civil Engineering	25/09/2018

Santosh Gidh, Structural Consultant, Mumbai		
Expert Lecture on Solid Waste Management for Sustainable Development by Er. Milind Kulkarni, Director, Prachi Services Inc. Mumbai.	Civil Engineering	07/07/2019
Nirmiti-2018	Civil Engineering	28/09/2018
VNPS Project Showcase	All departments	05/04/2018

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Bioplastic manufacturing machine	Dixita Parmar, Dhanashree Imade, Vinita Parab, Vidisha Patil,Priti Vairagi	Avishkar Research Convention 2018, University of Mumbai	12/02/2018	Agriculture and animal husbandry category
Design and development of pesticide spray robot	Snehal Tate Diwesh Mestry Rupali Matal Nishad Ajit, Dipak Choudhari	Avishkar Research Convention 2018, University of Mumbai	12/02/2018	Engineering and Technology category.
Design and development of VCR engine by auxiliary mechanism	Ghodake Shivraj Patil Vaibhav Pawar Ratnadeep Santosh Suryavanshi, Ashish Chaudhari	Avishkar Research Convention 2018, University of Mumbai	12/02/2018	Engineering and Technology category.
The Alternate Method of Agriculture: Aquaponics Using IOT	Bhumika Mate Soumya Kulal Manasi Pilankar	Avishkar Research Convention 2018, University of Mumbai	12/02/2018	Agriculture and animal husbandry category
Design and development of pesticide spray robot	Snehal Tate Diwesh Mestry Rupali Matal Nishad Ajit	Project Competition at RGIT, Mumbai	03/11/2019	Engineering and Technology category
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nill	Nill	Nill	Nill	Nill
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
1	1	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
NA	Nill

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Mechanical Engineering	4	1.05
International	Electronics and Telecommunication Engineering	2	2.75
International	Instrumentation Engineering	4	Nill
International	Computer Engineering	8	Nill
International	Information Technology	2	0.56

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

Department	Number of Publication
Civil Engineering	6
Information Technology	5
Instrumentation Engineering	3
Electronics and Telecommunication Engineering	3
Mechanical Engineering	5

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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Genetic Syndrome Identification Using 2D Transform Approaches, a Comparative	Archana P. Ekbote and Varsha R. Ratnaparkhe	Graphics, Vision and Image Processing Journal	2018	0	VJTI Mumbai	Nill

Study						
A Novel Structure of Photonic Crystal fibre for Dispersion Compensation over Broadband Range	Madhavi Waghmare and K T V Reddy	Sadhana Springer Journal of Indian Academy	2018	0	VJTI Mumbai	8
Algorithms for unconstrained global optimization of nonlinear (polynomial) programming problems: the single and multi-segment polynomial B-spline approach	D. D. Gawali, Ahmed Zidna and P. S. V. Nataraj	Computers and Operations Research	2018	4	Vidyavardhinis College of Engineering and Technology,Vasai	6
Design of the 3.7 GHz, 500 kW CW circulator for the LHCD system of the SST-1 tokamak	Harish V.Dixit, Aviraj R. Jadhav, Yogesh M. Jain,Alice N. Cheeran, Vikas Gupta and P. K. Sharma	Fusion Engineering and Design	2018	4	Indian Institute of Technology Guwahati	12
Visible and NIR Image Fusion using Weight Map Guided Laplacian- Gaussian Pyramid for Improving Scene Visibility	Vanmali, A. V. Gadre, V. M.	Sadhana- Springer	2018	20	Indian Institute of Technology Guwahati	55

Design Data for Quick Development of Folded H Plane Tee at high average power level	Harish V.Dixit, Aviraj R. Jadhav, Yogesh M. Jain, Alice N. Cheeran, Vikas N. Gupta and P. K. Sharma	Sadhana-Springer	2018	0	Indian Institute of Technology Guwahati	12

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Automation in Paper Cutting Machine	Mr.Prafulla Patil	International Journal of Engineering Science and Computing	2019	Nill	Nill	Vidyavardhinis College of Engineering and Technology, Vasai
A B-spline Global Optimization Algorithm for Optimal Power Flow Problem.	Dr. Deepak Gawali	WCGO 2019: Optimization of Complex Systems: Theory, Models, Algorithms and Application	2019	2	6	Vidyavardhinis College of Engineering and Technology, Vasai
Time Shifted Pilot Signal Transmission With Pilot Hopping To Improve The Uplink Performance of Massive MIMO System for NGN	Mrs. Amrita Ruperee	KSII Transactions on Internet and Information Systems	2019	2	13	Usha Mittal Institute of Technology, Mumbai
Improving Downlink Performance of Massive	Mrs. Amrita Ruperee	Journal of Communication	2019	2	13	Usha Mittal Institute of Technology,

MIMO System with Time-Shifted Pilot Signal Transmission with Pilot Hopping						Mumbai
Tri-variate copula modeling for spatially correlated observations in wireless sensor netWorks	Mrs. Sunayana Jadhav	Journal of communication	2019	2	8	VJTI Mumbai
An Enhanced Weighted Spatial Correlation model for event detection in Heterogeneous Wireless Sensor NetWorks	Mrs. Sunayana Jadhav	KSII Transactions on Internet and Information Systems	2019	2	8	VJTI Mumbai
Design and development of automatic lubrication system for bearing and gearbox	Siddhesh Penkar, Parth Rathod, Hardik Churi, Prathmesh Chaudhari, Dr. Ashish Chaudhari	Journal of Emerging Technologies and Innovative Research	2019	4	33	Vidyavardhinis College of Engineering and Technology,Vasai
Combined Impact of Compression Ratio and Re-circulated Exhaust Gas on the Performance of a Biogas Fueled	Chaudhari A., Sahoo N. and Kulkarni V.	Journal of Renewable and Sustainable Energy	2019	4	33	Indian Institute of Technology Guwahati

Spark Ignition Engine.						
Effect of vertical location of the spark plug on the per formance of a raw biogas fueled variable c ompression ratio spark ignition engine.	Chaudhari A., Hotta S., Sahoo N. and Kulkarni V.	Energy and Enviro nment	2019	4	33	Indian Institute of Technology Guwahati
State-of-the-art Technology in Variable C ompression Ratio Mechanism for Spark Ignition Engine.	Chaudhari A., Sahoo N. and Kulkarni V.	Sadhana Indian Academy of Science	2018	4	33	Indian Institute of Technology Guwahati
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Semi nars/Workshops	Nill	73	Nill	Nill
Presented papers	12	Nill	Nill	Nill
Resource persons	Nill	7	Nill	Nill
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3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Teaching Campaign	Karmaveer Bhaurao Patil School, Juchandra	1	32
Blood Donation	Sir J.J.Mahanagar	5	271

Camp	Blood Bank, Govt. of Maharashtra, Mumbai		
Mega Donation Campaign	Narayana Chandra Trust, Balggruha, Orphange, Virar	7	120
Mega Donation Campaign	Shradhanand Mahila Ashram, Vasai	7	5
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Mega Donation camp for distribution of rice, wheat, pen, clothes, etc.	Recognition Letter	Narayan Chandra Child Home	120
Blood Donation Camp	Recognition Letter	Dr. Ajay Bhise, PRO, Sir, J.J.Mahanagar Raktapedhi, Mumbai	271
Teaching Campaign for children	Recognition Letter	Karmaveer Bhaurao Patil School, Juchandra	32
Mega Donation camp for distribution of rice, wheat, pen, clothes, etc. to Dadasaheb Tatke Oldage Home, Vasai	Recognition Letter	Shradhanand Mahila Ashram, Vasai	5
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Education Awareness	KarmaveerBhaurao Patil School, Juchandra	Teaching Campaign	1	32
Health Awareness	Sir J.J.Mahanagar Blood Bank, Govt. of Maharashtra, Mumbai	Blood Donation Camp	5	271
Social Outreach	Narayana Chandra Trust ,	Mega Donation Campaign	7	120

	Balggruha, Orphanage,Virar			
Social Outreach	Shradhanand Mahila Ashram, Vasai	Mega Donation Campaign	7	5
Swachh Bharat Abhiyan	VCET campus Cleanliness Drive	VCET Campus Cleanliness Drive	40	250
Social Awareness	Women Development Cell, VCET Vasai	Seminar on Untold Stories	20	188
Gender Equality	Women Development Cell, VCET, Vasai	Seminar on Fundamental Rights andGender Equiality	10	102
Social Awareness	Women Development Cell, VCET, Vasai	Poster presentation on topics such as Topics included Education, Sports, Nutrition, Politics, Technology, Domestic Violence	5	20

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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Research: Investigating performance of massive MIMO system in the presence of pilot contamination for NGN	Mrs. Amrita Ruperee, Vidyavardhini's College of Engineering and Technology, Vasai	Utilization of research lab of Usha Mittal Institute of Technology, Mumbai for PhD research	365
Research: Investigations in Distributed Detection systems for Spatially Correlated Observations in Wireless Sensor NetWorks	Mrs. Sunayana Jadhav, Vidyavardhini's College of Engineering and Technology, Vasai	Utilization of research lab of Veermata Jijabai Technological Institute, Mumbai for PhD research	365
Research: Artificial Intelligence	Mr. Anil Hingmire, Vidyavardhini's College of	Utilization of research lab of Sandip Institute of Engineering and	365

		Engineering and Technology, Vasai	Management for PhD research	
Research: Image Processing: Syndrome Identification	Mrs. Archana Ekbote, Vidyavardhini's College of Engineering and Technology, Vasai	Utilization of laboratory of Government College of Engineering, Aurangabad for PhD research as bonafide full time research scholar	365	
Research: Enhancement of bandwidth for broad band communication by using photonic bandgap structure in optic fiber	Mrs. Madhavi Waghmare, Vidyavardhini's College of Engineering and Technology, Vasai	Utilization of research facility of Sardar Patel Institute of Technology, Mumbai for PhD research as research scholar	365	
Research: Prediction of An Early-Stage Construction Cost of Building Projects Using Artificial Intelligence Techniques	Mr. Viren Chandanshive, Vidyavardhini's College of Engineering and Technology, Vasai	Utilization of research lab of Sardar Patel College of Engineering for PhD research	365	
Research: Influence of Supplementary Cementitious Materials and M-Sand on Mechanical and Durability Properties of High Performance Concrete	Mr. Jaydeep Chougale, Vidyavardhini's College of Engineering and Technology, Vasai	Utilization of research lab of Sardar Patel College of Engineering for PhD research	365	
Faculty Exchange: Honorary Treasurer, IETE Mumbai center	Dr. Vikas Gupta, Vidyavardhini's College of Engineering and Technology, Vasai	IEEE MUMBAI CHAPTER	365	
Faculty Exchange: Reviewer for International Conference on Information Technology and Digital Applications" (ICITDA-2018)	Dr. Vikas Gupta, Vidyavardhini's College of Engineering and Technology, Vasai	JECRC University, Jaipur	2	
Faculty Exchange: Reviewer for International Conference on Smart City and Emerging	Dr. Vikas Gupta, Vidyavardhini's College of Engineering and Technology, Vasai	Universal College of Engineering, Vasai	2	

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3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Faculty Research Program 2019 under guidance of Dr. S. K. Tyagi, Centre of Energy Studies	On-job-training	IIT Delhi	13/05/2019	14/07/2019	Mr. Raahul Krishna Vidyavardhini's College of Engineering and technology Vasai
Training on varoius CAE tools such as hypermesh,ANSA,PAMCRASH,ANSYS,MSC-NASTRAN	On-job-training	Echelon CAE Services Pvt. Ltd., Pune	17/06/2019	26/06/2019	Vidyavardhini's College of Engineering and technology Vasai
Mechanical measurement and control systems	Field Trip /Industrial Visit	Accurate Springs Pvt. Ltd., Vasai	07/09/2019	07/09/2019	T.E. Mech students
Biogas production and utilization	Field Trip /Industrial Visit	Suman Dairy Farm, Vasai	19/04/2019	19/04/2019	BE Mech students(Elective)
EnergyManagement study	Field Trip /Industrial Visit	Neelkamal Plastices Pvt. Ltd., Daman	07/09/2018	07/09/2018	BE Mech students(Elective)

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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Mechatol Engineering Solution, Virar	07/04/2019	Design and Fabrication of Automatic Label Dispensing machine for food containers	5

M/s. Arihant Industrial Corporation Ltd., Vasai	10/07/2018	Testing of playground equipments and open gym equipments	2
M/s. Synergy Water Slides Pvt. Ltd., Vasai	05/03/2019	Testing of water slide material for tension, bending, abrasion	2
Pranay Engineering Works,Vasai	10/07/2018	Job production	5
SubAero Precision Machining Pvt. Ltd., Vasai	12/07/2018	Capability development of students, sponsored project of team centurion	6
Pacific tools Pvt. Ltd., Vasai	12/07/2018	Capability development of students, sponsored project of team centurion	6
Sigma Multitech Pvt. Ltd., Vasai	17/07/2018	Capability development of students, sponsored project of team centurion	6
Dalmia Taparia and Company	12/07/2018	Capability development of students,sponsored project of team centurion	6
J K Engineering Works,Vasai	08/07/2018	Design manufacturing of engine components	6
Texas Instruments Innovation Centre	18/11/2018	Seminar and Training	504
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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
275	505.01

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	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)	Newly Added

during the current year	
Class rooms	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Seminar halls with ICT facilities	Existing
Classrooms with Wi-Fi OR LAN	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
E Granthalaya	Partially	3.0	2013

4.2.2 – Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			
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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
Mr. Anil Hingmire	System Programming and Compiler Construction, Human Machine Interaction, Artificial Intelligence	https://anilhingmire.wordpress.com/	08/02/2018
Mr. Vikrant Agaskar	Object Oriented Programming, Mobile Computing and Communication, Human Machine Interaction, Project Management	https://profagaskar.wordpress.com/	03/07/2018
Mrs. Sweety	Open Source	sweetyrupani.word	14/02/2018

Rupani	Tehcnology, Analysis of Algorithm	press.com	
Mrs. Smita Jawale	Operating System, Advance Database Management System	https://operating systembysmitajawale .wordpress.com/	10/02/2018
Dr. Ashish Vanmali	Image and Video Processing	https://drive.goo gle.com/file/d/1c9M JUsXpcUNnawb28QN5tW 5QqqycqPI_/view?usp sharing	02/08/2018
Dr. Ashish Vanmali	Image and Video Processing	https://drive.goo gle.com/file/d/1PaA 79b2IS1xonAm_wF6YJ2 BpuFEUi7dH/view?usp sharing	02/08/2018
Dr. Ashish Vanmali	Image and Video Processing	https://drive.goo gle.com/file/d/1wAc ewVqpRpQahT1bjOqWy0 MmJJdHxMVG/view?usp sharing	02/08/2018
Dr. Ashish Vanmali	Image and Video Processing	https://drive.goo gle.com/file/d/1EB3 C9IIXV0avIba99wT6Lx mrbfCOgw1C/view?usp sharing	02/08/2018
Dr. Ashish Vanmali	Image and Video Processing	https://drive.goo gle.com/file/d/1zJV rqu6JOP6XqQn5vApO0- _PozeB8NH9/view?usp sharing	13/08/2018
Dr. Ashish Vanmali	Image and Video Processing	https://drive.goo gle.com/file/d/1zJV rqu6JOP6XqQn5vApO0- _PozeB8NH9/view?usp sharing	03/09/2018
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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	742	475	0	0	119	36	0	28	84
Added	61	61	0	0	0	0	0	0	0
Total	803	536	0	0	119	36	0	28	84

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

100 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
Digital Podium and Smart Classroom	https://docs.google.com/document/d/1H8I6GkPzazyny2LBjIgiWBddLZ6grmko/edit?usp=sharing&ouid=100237075317348815462&rtpof=true&sd=true

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
13245000	16726749	1375000	1161610

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

1. Academics: Laboratories, Computer and Internet facilities Maintenance: At the end of every semester dead stock is checked. Initially Lab technicians cater to repair the non-working equipment and those which are not repaired by lab-technicians are then sent to vendors for repairing. First, vendors are asked to visit our labs for checking the equipment/ instruments and then quote for the same. Then approval of the quotation is done from Principal/Management through HOD. After quotation is approved, Equipment is sent to the vendor and get repaired from them. Maintenance of Laboratories: 1. All the equipment in a laboratory undergoes periodic maintenance. 2. Minor repairs are carried out by the technical staff based on available resources and expertise. 3. Major repairs are outsourced by following the procedure of the Institute. 4. Dead stock, Consumable and Repair Registers are maintained. 5. Calibration of equipment is done regularly. 6. Equipment and systems under warranty period are serviced by seller/distributer/vendor either on campus or sent to concerned workshop. Maintenance of Computers: When the equipment related to computers or the networking instruments are not working, concern person register a complaint in the computer center register, then technician from computer center visits labs and repair the equipment not covered under warranty clause. Further quotations for repair works may be called if the need arises. PCs health cards are maintained in all laboratories. Software upgradation is done regularly, and all PCs are protected with antivirus. ICT infrastructure is maintained by computer center personnel. Library: College has appointed a Library committee which is headed by senior faculty member and one member from each department along with librarian. Library committee takes meeting for smooth functioning, Central Library to maintain books, Computers, library software, internet LAN system. Regular book binding is carried out for worn out books to increase their usage and life. Pre-laid procedure for the same is followed. Every year, the membership and subscription of all the faculty and student members are duly renewed to ensure uninterrupted services. Sports Facility: College has sports committee headed by Sports In charge and Faculty member from each department which takes necessary decisions for maintaining gymkhana at regular basis. 2. Physical and Support facilities: -Maintenance of other resources Annual Maintenance Contract are given every year wherein a team is assigned for maintaining and weekly cleaning of classrooms, drawing halls, laboratory, etc. under the supervision of the Admin Office. Cleanliness of toilet blocks and washroom is also done by house cleaning employees. College has appointed

carpenter, electrician and plumber for Other maintenance related issues. lifts or any electrical maintenance of the Institute subject to the complaint are put in the complaint register. Water tank cleaning and A.C. servicing is done quarterly. Fire extinguisher is outsourced since refilling of the cylinder is done once in a year. Photocopy, scanning, and similar heads are contracted to personnel and maintained and serviced by them on timely basis. Lift, Fire extinguisher are under Annual maintenance Contract(AMC). Maintenance of CCTV is done by the in-house employee.

https://vcet.edu.in/

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	Nil	Nill	Nill
Financial Support from Other Sources			
a) National	Nil	Nill	Nill
b)International	Nil	Nill	Nill
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Soft Skill Development	21/06/2019	27	3i Infotech, Travelx
Soft Skill Development	25/12/2018	13	Raw Engineering, Virar
Soft Skill Development (Electronics and Telecommunication Engineering)	01/03/2019	246	Russian Federation, Russia
Remedial Coaching	30/10/2019	11	Department of Mechanical Engineering
Yoga	21/06/2019	20	Ambika YogKutir, Vasai andVCET
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
Nill	Campus	277	270	57	319

| Nill | CoCubes (Pre-Assessment Test) | 174 | 174 | Nill | 319 |
| Nill | Guest Lectures | Nill | 920 | Nill | Nill |

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Details listed in the attachment	1943	291	Details listed in the attachment	45	28

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	BE	Instrumentation Engineering	University of Texas at Dallas	MS
2019	1	BE	Mechanical Engineering	University of TEXAS Arlington	MS
2019	1	BE	Computer Engineering	Swinbyrne University of Technology	MS
2019	1	BE	Information Technology	University of Houston Clear Lake	MS
2019	1	BE	Civil Engineering	VJTI, Matunga	M.TECH
2019	1	BE	Electronics and Telecommunication	CDAC, Pune,India	PGD

| 2019 | 1 | BE | Electronics and Telecommunication Engineering | Port land State University | MS |

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	10
GRE	18
TOFEL	8
Any Other	19

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

Activity	Level	Number of Participants
Fresher party	Institute	3550
Annual Sports - Avahan	Institute	790
Literary events-Faceoff 7.0 (inter departmental)	Institute	25
Literary events-Faceoff(Inter-college)	Institute	21
Annual Cultural- ZEAL	Institute	791
BE Farewell	Institute	480
Literary events- A look into a book	Institute	10
Navratri Festival: Garba Night	Institute	321

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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	First	National	1	Nill	152104274	Ganesh Pawar
2019	Winner	National	1	Nill	171101035	Raj Pandya
2019	First	National	Nill	2	215130	Franklin Nandar
2019	Second	National	Nill	1	6181575	Ankur Dhamale

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

- Activity of Student Council Student activities are designed to allow students to become more involved on campus and to provide them with opportunities to develop leadership, social responsibility, citizenship, volunteerism, and employment experience. Students' Council looks out for all the student-oriented activities which aim at the cultural aspect. There are multiple student activities conducted starting right from orientation held for fresher students imparting with few tips and tricks to tackle both academics as well as extra-curricular. The freshers are then welcomed into the Institute with a grand Fresher's Party held for them with various games and talent showcase platforms. Along with such activities, equal importance is given to celebrating days like Teacher's Day or. All the students and staff gather together to play Garba festival and the positivity and energy exuberating out of the colorful costumes combined with the enthusiasm of dancing to the dandiya folk songs. Students' Council also hosts a cultural fest of the Institute-ZEAL which involves every single student to take part in events ranging from performing arts, quizzes, etc. • Activity of Sports Committee The Sports committee works together as a team to build champions and plays a vital role in maintaining a healthy atmosphere in the Institute. The sports committee organizes an induction program for first-year students which makes the students understand the importance and necessity of sports. The Institute has various sports teams which participate in a competition held by other institutes across Maharashtra. Gymkhana, a boys' common room, a playground, and a multipurpose court for volleyball, throwball, footvolley, and basketball are provided by the Institute. The committee manages and looks after the required sports equipment and new equipment is updated annually. The sports committee organizes a wide-ranging sports festival named AVAHAN which is an 11 day inter and intra institute sports festival filled with enthusiasm and ebullience having more than 15 outdoor as well as indoor sports events. We have participants from all over Mumbai as well as Thane and Palghar districts. • Students Chapter/Technical Committee/NSS/Literati Committee Under the mentorship of the faculty advisors, local students chapters such as VMEA, ISHARE, CSI, IEEE. CESA, etc. organize various co-curricular events. The events of NSS are planned and executed by a team of students under the guidance of the faculty coordinator. Extracurricular events by the Literati Committee and the publishing of Annual Magazine are done by the student team in support of faulty incharges. • Students Representation on Administrative Bodies The representation of the students in the Internal Quality Assurance Committee (IQAC), College Development Committee (CDC), and Department Advisory Board (DAB) facilitates to enhance the academic as well as administrative growth of the Institution. Students also have a representation in Student Grievance Redressal Committee. • Other Students have active involvement in the activities of ECell, Placement and Training Cell, Women Empowerment Cell, etc. Apart from this, every class has a students class representative to assist in the coordination of various activities.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The VCET Alumni Association was established in the year 2003 to reconnect the alumni to their alma matter and contribute in its development through active involvement. The VCET alumni association is registered with The Assistant Registrar of Societies, Thane Region. The registration number is MAH/2133/2018/THANE The students register themselves as a member of VCET Alumni Association during the end of their final semester. An alumni meet is organized

once in 2 years. Alumni are contacted through various social media like facebook, WhatsApp, etc. and also invited through personal emails. The date of the alumni meet is floated on the Institute website the alumni are appealed to register online for the same. The meet comprises a welcome program, Interaction, entertainment programs like singing, dancing followed by dinner. A feedback is also taken during this occasion. There is an interactive session between faculty and alumni wherein their views and suggestions are noted for betterment of the Institute. This interaction improves industry contacts for placement, project and internship. Distinguished alumni are invited as guest lecturers for seminars, workshops, etc. to share their experience about the latest trend in industry. It helps the current students to get acquainted with recent technologies through the expertise of the Alumni. They are also invited to serve as external project examiners for University examination.

5.4.2 – No. of enrolled Alumni:

466

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

32000

5.4.4 – Meetings/activities organized by Alumni Association :

In 2018-19, the Alumni committee organized 10 meetings on 10th August, 12th October, 22nd November, 30th December 2018, 10th January, 24th January, 4th February, 8th February, 9th February, and 14th February 2019. Guest lectures on the latest trends and technologies were organized across all the Departments. For Mechanical Engineering students, a Guest lecture on "Scopes of Higher Studies in Germany" was conducted by Mr. Shiva Agarwal, Masters at German University. The next guest lecture titled "Design Projects and Methodologies" was conducted by Ms. Gauri Parker, Design and Quality Specialist at FedEx. Mr. Parin Dave, Design Engineer, Technimont conducted a seminar on "Machine Design for Industries". For Electronics and Telecommunication Engineering students, a workshop on "Python" was conducted by Mr. Maneesh Singh, Sr. Embedded Software Engineer, Tesseract Imaging Pvt. Ltd., and Mr. Ankur Tiwari, Director, Thoughtlytics Pvt. Ltd. A session on "Higher Education opportunities in Engineering- India and Abroad" was delivered by Mr. Manoj Kansara, Director at Learning Edge - A Study Overseas Consultancy Ms. Janhavi Khanolkar Mumbai Squadron Leader, (Retd.) Engineering Officer, Indian Air Force Ms. Shefali Golatkar, UI/UX Design Consultant, and Mr. Mahesh Girase, Chief Manager - Corporate and amp Investment Banking, Kotak Mahindra Bank, Mumbai Metropolitan Region. Alumni Talk on "Scope of Engineers in Finance Domain" was delivered by Mr. Divyaprakash Modi, Business Analysist, Lincoln Financial Grp, US. A seminar on"Scope of Networking" was delivered by Mr. AnirudhIyer, CISCO. For Instrumentation Engineering students, a seminar on "How to Crack on campus Aptitude Test and Technical Interview" was conducted by Mr. RuneetPalekar and Mr. Abhishek Singh, Infosys Limited, Bangalore. A seminar on "Higher studies in Germany" was conducted by Mr. RuneetPalekar, Pursuing a Masters Degree at the University of Stuttgart, Germany. Mr. Ajinkya Patil, Assistant Manager, TUV India Pvt. Ltd conducetd a seminar on "Functional Safety". Mr. Shivang Desai, BDM and HR, Process Precision Instruments, Vasai conducted a seminar on 'Being Techno-Commercial". An Industrial visit was organized by Mr. Desai. For Computer Engineering students, a talk on preparing for the GATE examination was delivered by Mr. Abhishek Potnis, CRNTS, IIT Bombay. Workshop on Modern web Application Development was conducted by Mr.Shabhaz Khan, Difference Engine AI. For IT students, a Seminar on "Software Testing Manual Vs. Automated" was conducted by Mr. Nilesh Jain, Founder, Vervali Systems. Mr. Sameer Pathan, People Interactive, and Mr. Shahbaz khan, Difference Engine AI delivered a seminar on "Preparation of Competitive coding". For Civil Engineering students,

a talk on "Preparation for Higher Studies and Experience" was delivered by Mr. Darshak Sureja - Admitted to International Management Institute, New Delhi. In all 17 events were organized which benefited 1,169 students.

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)

The Institute has various committees at Institute and department level that include staff members which effectively manage the academic, administrative, co-curricular and extracurricular activities, and address the issues pertaining to the scope of their committee. The Principal is given authority to take financial decisions to a great extent for the prompt execution of the several academic and non-academic decisions. Provision of petty cash is available to the Head of the Departments for day-to-day/emergency expenditure. Faculty are actively involved in Institute's decision-making process. After the deliberate discussions done on the concerned issues/matters, the final opinions are conveyed to the Principal and subsequently to the management through the Principal.The management gives due weightage to the viewpoint of the faculty while taking the decisions regarding the college development. 1. Purchase at Department/Institute level The Institute prepares an annual budget based on the infrastructure/equipment/furniture requirement obtained from the departments. The purchase process of equipments and consumables in the Institute is very transparent and decentralized and involves participation from staff to management in decision making process. • Staff /lab In-charges submit the requirement of equipment/consumables etc. considering the academic needs to the Head of the Department along with specifications. • The requirement of the furniture/consumable etc. with specification /recommendations is given to the Registrar by the Head of the Departments and Section In-charges. • The requirement regarding equipments/ IT infrastructure/ computers is proposed to the purchase scrutiny committee for approval. After the due approval, and further directed to the appropriate authority for purchase procedure. • Quotations from different vendors are invited for the same. • The comparative statement of the quotations received from the vendors for equipments along with the demo report, technical specification and remark/recommendation is submitted to the administrative office through the Head of the Department. • For the rest of the items, the Registrar compiles the requirements and finalizes the specifications in consultation with Head of the Departments and Section Heads. • The comparative statement (BID) based on cost, specification etc. of the quotations received from the vendors is prepared by the Registrar. • A meeting of Purchase Committee and vendors is then called upon to commercially negotiate and finalize terms and conditions. • The final purchase orders are then prepared after an approval from the Purchase Committee. • The equipment delivered to the Institute is thoroughly checked and tested. • The final payment is made to vendor after an endorsement made by the concerned authority. 2. Budget preparation, Allocation, and Utilization for students' activities • Every department is allocated a budget for organizing students' activities. • Each department then plans their own activities under different students' bodies and prepares the budget and allocates the fund for the activities. • The budget allocated for the activities is presented to the Principal for approval. Once the approval is given by the Principal the budget is utilized for students' activities.

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

No

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):	
Strategy Type	Details
Admission of Students	Institute follows Centralized Admission Process conducted by the StateGovernment and works as a Facilitation Center (FC). In addition to the guidelines of the Government, the Institute has Carrier Counselling Committee which organizes seminars on pre-admission awareness camps and seminars for making the students aware of the admission process rules, filling up the option form, availability of various types of seats, certificates required for admission, importance of engineering courses in various fields, etc.
Industry Interaction / Collaboration	Industry Institute Interaction Cell (IIIC) was established in the year 2018-19. This cell looks after organizing experts talk from various MNCs/industries on recent domain-based advancements, cutting edge technologies mechanisms, research topics, latest software etc., arranging industrial visits, internships for students to strengthen Industry academia interactions. IIIC has arranged 52 seminars/workshops/expert talks, 272 internships and 25 industrial visits,various activities were conducted under 20 Memorandum of Understanding (MoU) with industries.
Human Resource Management	The administrative office of the Institute holds responsible human resource management. Staff requirements are obtained from all Heads of Department and reviewed by the Principal. Approval is taken from the management. Advertisement in leading newspapers is given and uploaded on Institute website. Interviews are conducting by a panel which includes members from the Management. The selected candidates are then approved for appointment. The welfare measures of the faculty/staff such as gratuity, Employee's Provident Fund, Group Insurance for non-teaching staff, maternity leave, study leave for higher studies, etc. are also taken care of.
Library, ICT and Physical Infrastructure / Instrumentation	The Central library has an excellent collection of Books, National and International Journals. Institute have digital library facility which comprises of 61 e-Books from Pearson

	India Education Pvt. Ltd., and 277 e-Journals from Science Direct and IETE. Institute is registered with National digital library and has IIT Bombay central library membership. Institute has seminar halls with ICT facilities, Digital Podium and smart classrooms. Bandwidth of internet was upgraded to 100 Mbps. The Institute has established Centre of Excellence with SIEMENS and TEXAS Instruments. Classrooms on 4th floor were renovated and Instrumentation department was renovated and relocated to 4th floor.
Research and Development	Institute has established the Intellectual Property Rights (IPR) Cell to create awareness among students about Innovations, research, IPR protection laws, modes of IPR protection. Vidyavardhini's National Project Showcase is organized every year to showcase students' projects. The outcome of all these initiatives has resulted in successat research conventions such as AVISHKAR, funding by DST and Texas Instruments. Research activities are strengthened by journal publications with IIT Delhi, VJTI, Mumbai, Sardar Patel College of Engineering, Mumbai etc and industry linkages with TATA Steel, BEST, Reliance Infrastructure etc. Institute level consultancy is provided to the nearby industries.
Examination and Evaluation	Institute follows the process of examination and evaluation as per the university guidelines. The Examination Cell has adequate manpower, IT resources and necessary security/surveillance systems.To assure the quality of internal assessment system, Internal Assessment Monitoring Committee approves the question paper pattern, ensures the appropriate coverage of syllabus, and verifies the bloom's level of the questions. Model answers are prepared for Internal Assessment question paper. Assessment of the Internal Assessment is done at CAS centre. To maintain transparency in the evaluation, assessed papers are shown to the students. Some faculty were deputed to attend seminar on AICTE Exam Reforms.
Teaching and Learning	Outcome Based Education is practiced by faculty members in many ways. They prepare a lesson plan for their course

	and execute it in a well-planned manner along with lab manuals, tutorials and assignments focusing on participative, collaborative,innovative and experiential learning. The Institute has collaborated with College of Engineering, Pune for Virtual Lab. Faculty members were encouraged to undergo Foundation Program in ICT for Education by IIT, Bombay. Orientation programs for the newly introduced courses were also attended by the faculty. Mini projects are implemented in some practical courses. Faculty members make use of smart classrooms for effective teaching learning.
Curriculum Development	The Institute follows the curriculum prescribed by the University of Mumbai. Curriculum enrichment is attained by implementation of academic plan which is integrated with ICT enabled teaching and learning processes. Every department takes feedback on curriculum from all the stakeholders. The feedback is conveyed to the syllabus revision committeeof University of Mumbai through the faculty members who are the members of committee. Committee then considers the suggestions, recommendations given by the stakeholders for the Curriculum Development.

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

E-governace area	Details
Planning and Development	Academic calendar comprising of planning of all the academic, co curricular and extra-curricular activities is prepared before the commencement of every semester and displayed on the Institute's website. In line with the Institute's academic calendar each department/committee prepares their activity calendar. The Institute uses ICT in planning various events and activities. The Institute uses personal emails. All the notices and important circulars and reports are circulated via emails. The procedures regarding development of Infrastructure, Laboratories are executed by the concerned committees.
Administration	The Institute has installed software from double infinity Technologies and Ediffy Communication Pvt. Ltd. for sending bulk SMS. The attendance muster is maintained by using Fingerprint Time

	attendance machine purchased from AVI Infitech. SpineHR software has been purchased and installed for the management of attendance and leave of the employees. The Institute uses an in-house developed inwards-outward software for keeping a record of inward/outward documents.
Finance and Accounts	The Institute has purchased Tally ERP accounting software package to record day to day transactions. Accounting activities carried out using Tally software are- Maintenance of Ledger, Cash book / Bank book maintenance, Cheque printing, Bank reconciliation statement, etc.
Student Admission and Support	Admission of the students is done through Centralized Admission Process (CAP) conducted by Directorate of Technical Education (DTE). CAP includes registration, document verification, application form confirmation, filling of option form and allotment of seat. All notices related to admission and examinations are uploaded on the Institute website. Information related to various scholarships is also uploaded on Institute websites.
Examination	The Institute conducts assessment/examination as per the guidance led down by University of Mumbai.Institute uses ICT facility for receiving question papers from university during end semester examination. Khushi software facilitates various activities for the smooth conduction of all examination related work. It supports in preparing eligibility list of the students, creation of seat number, preparation of Internal Assessment, Term work and oral/practical blank marksheet, Preparation of result and gazette of semester III, IV, V VI semester and preparation and printing of marksheet.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Mr. Swapnil Mane	FDP 101X: "FOUNDATION Program in ICT	Nill	850

2019	Mr. Tushar Raut	TEQIP FDP,SVNIT SURAT	Nill	5235
2018	Mr. Vishwas Palve	FDP 101X: "FOUNDATION Program in ICT For Education"	Nill	850
2019	Mr. Sanjay Lohar	TEQIP FDP, SVNIT SURAT	Nill	5235
2019	Dr. Ashish Chaudhari	National Conference at NIT Delhi,NCAME2019	Nill	4578
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Machine Learning with TensorFlow	Nill	25/06/2018	06/07/2018	11	Nill
2019	Scope of IoT for Social Upliftment	Nill	21/06/2019	30/06/2019	19	Nill
2018	Emerging Trends in Operations Research	Nill	24/06/2019	29/06/2019	11	Nill
2018	Nill	Basics of Water Quality Testing	18/06/2018	18/06/2018	Nill	4
2018	Nill	One day Workshop on Koha and Library Automation	12/10/2018	12/10/2018	Nill	2
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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	Number of teachers who attended	From Date	To date	Duration

programme				
STTP on Emerging Trends in Operations Research	11	24/06/2019	29/06/2019	6
Faculty development program for student induction	4	01/07/2018	01/10/2018	15
FDP on Additive manufacturing theory and application	1	01/07/2018	01/10/2018	15
Workshop on Moodle Learning Management system	1	25/06/2018	29/06/2018	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	Nill	3	4

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Gratuity, Employees Provident Fund, Maternity leave, Study leave for MTech/PhD, Support for knowledge upgradation, Support for organizing Seminars/Workshops/STTP, Special Medical Leave, Staff Get-together, Funding for Women Cultural Activities, Counselling facility, Doctor on call, Fee Reimbursement for STTP/Workshop/Professional Membership/Paper Publications, EarlySalary payments duringfestivals	Gratuity, Employees Provident Fund, Maternity leave, Special Medical Leave, Staff Get-together, Counselling facility, Doctor on call, Special training for soft skills, Uniform for class IV employees, Early Salary payments during festivals	Emergency Service, Counselling Centre, Recreational Activities, Sports Gymkhana, Parking facility for two wheelers

6.4 – Financial Management and Resource Mobilization

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

Vidyavardhini Trust has a transparent financial mechanism for all its institutions and has formulated a Finance Manual in June 2005. The Financial Manual elaborately describes the guidelines for the process of budget, expenditures, powers of the Principal, Head of the Department and Head of the

Functionaries. The Trust has an effective mechanism of internal and external audit. These audits verify and certify all nature of income and expenditures along with all capital expenditure and deposits of the Institute in each financial year. Internal audit is a continuous process. A qualified Internal auditor from an external agency have been permanently appointed by the society who regularly examines all the records maintained by the accounts department. An external auditor appointed by the society to execute the statutory audit. This audit is conducted in two phases, one in the month of December/January and in the month of May/June every year. Finalization of accounts is completed in June/July and audited statement is prepared and duly signed by Principal/Secretary and Chartered Accountant. The Chartered Accountant submits the Audit Report after completing the audit of all the Institutes and trust. The Audit Report does not have any major objections. The minor audit suggestions (if any) pointed by auditor are duly complied. These audited statements are then presented for approval in College Development Committee (formally Local Managing Committee) followed by 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
Tech Ustads Pro Learning, Radha Raman Metal, Contentstack India. EPP Composits, Nelson Corda, RAW Engineering, VCET' 98 Alumni, New India Assurance, Amit Shyamsunder, Adarsh Traders, Janardhan Rama, Smita Jawale, etc.	319500	Hackathon Event, Team Ethan, Team VCET Solecthon

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6.4.3 – Total corpus fund generated

0000

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	Experienced faculty from reputed Institutes	Yes	IAMC
Administrative	Yes	External Auditing Firms	Yes	Internal Auditors

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

• Parent representation in Department Advisory Board of all the Departments • Parents Teachers Meeting of SE, TE, BE students of all Departments followed by interaction between Proctors and Parents • Orientation Programme for FE students along with Parents • Feedback on design and review of syllabus from Parents • Regular communication with Parents

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

- **Basics of Water Quality Testing • Basics of AutoCAD and Computer software • Workshop on Arduino • Workshop on IOT Components**

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

- **Starting of Internal Internship • Formation of NSS Chapter • Formation of Institute level committee for NBA preparation • Promotion of use of ICT tools and e-content development**

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
c)ISO certification	No
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	FDP 101X: "Foundation Program in ICT For Education"	13/09/2018	13/09/2018	27/10/2018	98
2018	FDP 201X:" Pedagogy for Online and Blended Teaching and Learning Process	27/12/2018	27/12/2018	02/01/2019	26
2018	Formation of IPR cell	11/09/2018	11/09/2018	11/09/2018	8
2018	Formation of IPR cell and Seminar on IPR and Patent filing	05/10/2018	05/10/2018	05/10/2018	58
2018	Formation of Swayam-NPTEL VCET Local Chapter	05/10/2018	05/10/2018	05/10/2018	15
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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
Fundamentals Rights and Gender Equality	01/10/2018	01/10/2018	75	Nill
Seminar on "The Untold Stories"	18/01/2019	18/01/2019	100	Nill
Poster Presentation	15/03/2019	15/03/2019	20	Nill

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
Renewable energy source by solar panels is increased from 50kW to 250kW and so the fans, tube lights, network switches and computer appliances are operated with this solar energy. Total power requirement of the campus is 290249kW. Percentage of power requirement of the College met by the renewable energy sources is 24.22 Rooftop rainwater harvesting A roof top rainwater harvesting structure is created within the Institute campus to reduce ground water withdrawal and to recharge ground water.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	8
Provision for lift	Yes	2
Ramp/Rails	Yes	2
Braille Software/facilities	No	Nill
Rest Rooms	Yes	2
Scribes for examination	No	Nill
Special skill development for differently abled students	No	Nill
Any other similar facility	Yes	8

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	09/06/2018	1	Awareness about opportunities in engineering profession	Addressed clarity about various engineering	130

2018	1	Nill	20/06/2018	1	Facilitation Center for First Year Admission	Admission Process	1700
2018	1	Nill	17/07/2018	1	Facilitation Center for Direct Second Year Admission	Admission Process	800
2018	Nill	1	08/09/2018	1	Teaching Campaign –Karmveer Bhaurao Patil School ,Juchandra	Teaching Campaign	32

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

Title	Date of publication	Follow up(max 100 words)
Professional Code of Conduct Handbook	23/12/2019	https://www.vcet.edu.in /wp-content/uploads/2019/ 06/Code-of-Ethics-1.pdf

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Tree Plantation Drive	20/07/2018	20/07/2018	30
National Unity Day	31/10/2018	31/10/2018	72
Republic Day Celebration	26/01/2019	26/01/2019	120
Raise YourVoice Competition	28/01/2019	28/01/2019	62
Incredible India –Atulya Bharat	28/01/2019	28/01/2019	62
Mega Donation Camp – Shradhdhanad Ashram, Narayan Chandra Trust	01/04/2019	15/04/2019	700
Blood Donation Camp	02/04/2019	02/04/2019	271

International Yoga Day	20/06/2019	20/06/2019	50
Independence Day	15/08/2019	15/08/2019	120
Teaching Campaign –Karmveer Bhaurao Patil School, Juchandra	08/09/2019	08/09/2019	32

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

Green Practices Bicycles and Public Transport: The Institute is located 3 minutes walking distance from Vasai Road suburban Station on Western Railways. Most of the students and staff members of the Institute stay in Western suburban area of greater Mumbai and the frequently used mode of transport in this area are Western Railway local suburban trains. Plastic-free campus: The Institute has taken initiative to spread the awareness of green living in the campus. Posters showing awareness about plastic free campus has been displayed in the campus so that each person in the campus could follows initiative. Paperless Office: Due to technological advancement Institute has taken many initiatives to build an eco-friendly environment where use of paper should be either minimal or paper less, faculties and students are prompted to use of electronic communication such as mail communication for the exchange of information, Institutes notices and other relevant information are regularly uploaded on the college website through online resources. Green Landscaping with trees and plant: The Institute is blessed with green campus through the nature itself each block of the building and playground are surrounded by green lawn and trees, in addition to the Institute ensure to strictly adhere plantation activity regularly. Liquid waste treatment - Within the Institute campus, liquid waste created by laboratories, urinals, and other sources is processed. Rooftop solar panel installation -Solar energy is used as an alternative source of electricity by trapping it within solar panels on the Institutes roof. Solid waste management: Being an Educational Institute, hazardous waste or e-waste is not significantly generated. Adequate measures are in place to manage the solid waste. Biodegradable wastes from the college canteen, dead leaves from the trees and a reasonably large amount of other solid waste generated in the Institute is managed thoughtfully. The green waste is collected centrally in the pit and used up in the composting of the campus. The output of this is used as manure for the plants in the gardens. Paper waste including shredded answer sheets are sold to licensed purchasers. Liquid waste management: Being a Technical Institute, hazardous waste from chemicals and acids are minimal in the Chemistry laboratory. However, utmost care is ensured to dilute the concentrated solutions before their disposal. Appropriate measures are taken to dispose of the toxic wastes. E-waste management : E-waste such as computers, printers, CPUs, UPS batteries, electrical and electronic assemblies, cathode ray tubes, PCBs, resistors, capacitors etc. collected from various departments are sorted and are either disposed in safe manner through the authorized vendor or exchanged during the new purchase. Almost all equipment is used to its fullest, by permitting usage of its parts in other suitable equipment or in student's projects.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practices – I 1. Title of the Practice: Social Upliftment Through Community Services 2. Objectives: i. To help the needy and underprivileged in our society. ii. To keep our Institute neat and clean under Swachh Bharat Abhiyan. iii. To spread the importance of education in the society. iv. To

raise voice against injustice done to the girl child. v. To spread awareness about healthy life style and diet. vi. To donate blood for a noble cause. 3. The Context Contextual features and challenges faced i. This Institute is situated in a tribal region of Palghar district where most people are living below the poverty line. This has motivated various types of donation to help the same. ii. Innovative minds can emerge from healthy bodies and these dwell in a clean atmosphere this sensitized a nationwide campaign "Swachh bharatabhiyan". iii. Literacy rate is quite low in the tribal region of Palghar district where this Institute is situated and that is the cause which has stimulated the teaching campaigns. One of the hurdles to this campaign is the mindset of people towards education. iv. In the urban areas, the younger generation is more attracted towards junk food. Unhealthy eating habits cultivated in the society has motivated to conduct health awareness programs. 4. The Practice Our Institute follows a unique practice of paying gratitude and handling responsibilities towards the society through a committee known as UDAAN- whose motto is "Flight towards change for social cause". Apart from technical growth, important program outcomes of any technical education are to inculcate rich ethical values and basic social awareness and our UDAAN committee targets towards achieving these goals. This committee started functioning from the academic year 2014-15. i. Its journey started by organizing a small event for celebrating "The Independence Day "to gratify our unsung heroes for their sacrifices and bravery. ii. Teacher's Day are celebrated by enhancing the importance of education to the rural area children in the remote village of vasai. The committee visited Saraswati School, which is situated in a village known as "Parol" in Palghar district to guide them about education, their benefits and career opportunities. iii. During the winters, the committee organizes a camp to donate blankets to the needy and poor people staying on the roads. "Be A Young Santa This Winter "is a donation program executed to mark the real happiness of giving. iv. Helping the underprivileged is most noble service to the society. Udaan committee visited girl'sorphanage in Vasai and donated clothes, food items and gifts. v. Donating is a selfless act, so giving to charity will improve our self-esteem and self-worth. To inculcate these virtues our committee organizes Mega Donation Camps.Essential commodities such as cereals, toys, stationary items, sanitary pads, books and many more are donated to financially deprived sectors of the society. vi. Swachh Bharat Abhiyan is a nationwide campaign to keep our surroundings neat and clean. UDAAN along with Student's Council organizes this campaign to keep our Institute premise tidy. vii. "Gift of blood is gift of Life". Blood donation is the mother of all donations. It not only saves one individual but also the entire family of that individual. Committee organizes blood donation camp to help needy patients which may be waiting for a blood transfusion to survive. Students and Faculty both volunteered eagerly to donate blood. viii. Despite of busy academic schedule the committee members along with the faculty in charge designs various posters on healthy eating habits and importance of various fruits vegetables in their diet. Committee organizes a Health Awareness event which enhances healthy lifestyles in budding engineers. ix. 'Respect Her' is a women-oriented campaign organized by the Udaan committee. Through this medium a message is spread in the society to value and respect women. Street plays are performed to depict the same. 5. Evidence of Success. i. Following approximate items donated in "Mega Donation Camp" Sr. No Items Approximate Quantity 1 Rice 200Kg 2 Sugar 200Kg 3 Wheat 100Kg 4 Shirts 3000 5 Pants 3000 6 Note books 2000 7 Pens 2000 8 Blankets 1000 9 Toys 500 10 Stationary items 200 packets ii. Approximate blood bottles collected for government recognized blood banks are tabulated below Sr. No. Academic year Number of blood bottles collected 1 2014-15 197 2 2015-16 142 3 2016-17 170 4 2017-18 242 5 2018-19 175 iii. In the rural areas, teaching campaign has benefitted nearly 600 children. 6. Problems encountered, and resources required. i. Time is a major constraint for any technical Institute. Students

must meet hectic day to day schedule and give additional time for this noble cause. ii. Committee must convince the parents from rural areas to allow their kids for teaching campaign as they are very much reluctant to send them to schools. iii. Committee must inform college authorities and parents as some activities are executed on Sundays and holiday. Best Practice II 1. Title: VNPS (Vidyavardhini's National Project Showcase). 2. Objectives of the Practice: • To provide a platform for the students to interact with the Industry experts and obtain their feedback • To build a healthy competitive environment • To be in pace with the latest trends in technology • To upgrade presentation skills of the students 3. Context: Contextual features and challenges faced • The difference in engineering curriculum and industrial technical standards has stimulated to organize the project showcase as measure to bridge the industry-curriculum gap. • The completion is organized with intention to cultivate leadership qualities, professionalism and team work culture amongst the students. • It is also a measure to remain in the pace with the technical advancements and industry demands. • Institute has students from various disciplines, belonging to vernacular medium and different economic and cultural backgrounds. Some of the students lack confidence to communicate effectively. VNPS has led to an invariant platform for presentations and multidimensional growth. The Practice: Every year in the month of April, the Institute organizes a national level project showcase named 'Vidyavardhini's National Project Showcase' (VNPS) where in students from various technical institutes participate to display their projects. It comprises of presentation in the form of posters and live demonstration. Publicity of this event is done through posters and electronic media to register maximum. Track 1 (Mechanical Engineering) 1) Thermal and Fluid Engineering 2) Design of Mechanical Components and Engineering 3) Advanced Manufacturing 4) Modern Automobile Techniques 5) Energy Security 6) Mechatronics and Automation 7) Aerospace Engineering Track 2(Electronics and Telecommunication Engineering) 1) Microcontroller Embedded system. 2) Signal and Image Processing. 3) Sensor Network 4) VLSI Applications 5) Microwave and Radar Engineering 6) Emerging Communication Technologies. Track 3(Instrumentation Engineering) 1) Control System Design and Simulation 2) Latest Trends in sensor design 3) Process Automation 4) Biomedical Instrumentation 5) IoT (Internet of Things) Track 4 (Information Technology and Computer Engineering) 1) Cloud computing and big data 2) Artificial intelligence 3) Gaming 4) Web security and Networking. Track 5(Civil Engineering) 1) Concrete and Structural engineering 2) Construction Management 3) Geotechnical and Transportation Engineering 4) Water Resources and Environmental Engineering Experts from the industry are invited to visit as well as to judge the projects, interact with the teams and suggest ideas to improvise the same. The evaluation of the project is based on presentation and demonstration of the project. A committee comprising of atleast three members evaluate the project based on the criteria such as project idea, understanding, utility, execution of the project etc. Three best projects under each track are rewarded with cash prizes and certificates. Participants and visitors both get an opportunity to enhance their technical knowledge through this event. 5. Evidence of Success • Year by year there is an increasing number of participants and visitors. Nearly 130 projects are displayed in academic year 2018-19. • With the advancement in the technology, advancement in the quality of the project has been observed. • Communication skills, team work culture, leadership qualities and professionalism of the students get enhanced through such competitions. • It prepares the students for participation various other paper presentation/project presentation competitions. Many students have won prizes at various inter-collegiate paper presentation/project presentation competitions. Few students have also published papers in reputed journals/conferences. 6. Problem Encountered: Sometimes students fail to understand the benefits of participating in such events. At such instances, the student committee members and concerned faculty interact with students and make

them aware of the spectrum of benefits and opportunities that they can avail by being part of this event.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://vcet.edu.in/wp-content/uploads/2021/08/Best-Practices-and-Institutional-Distinctiveness-2018_19.pdf

7.3 – Institutional Distinctiveness

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

The vision of the Institute is to be a premier institute of technical education always aiming and becoming a valuable resource for industry and society. In line with its vision, priority, and thrust, we at VCET have a unique practice of "Product Showcase" which would eventually sharpen the student's technical knowledge. Every year, the "VCET Students Chapter of various professional bodies and technical committees" organizes a technical product exhibition. The products are exhibited by students themselves. It is an event for the students, by the students. Various industries specifically industries that manufacture electrical, electronic and mechanical products are approached. The product showcase titles and their respective departments are listed below. Sr. No. Department Title of Product Show case Activity 1 Department of Mechanical Engineering Mechexpo 2 Department of Electronics and Telecommunication Engineering Anveshan 3 Department of Instrumentation Engineering Yantra 4 Department of Computer Engineering Abacus 5 Department of Information Technology Elixir 6 Department of Civil Engineering Nirmiti Objectives: ? To strengthen Industry-Institute Interaction ? To bridge the gap between institute and industry. ? To learn about industrial practices ? To learn about work ethics ? To become aware of current market scenarios ? To gain an in-depth understanding of products and processes The Process/Practice: A month prior to the product showcase student committee members contact the companies stating the objective of the event and its mutual benefits. Companies then send the consent and the list of products that they could provide for display. A fortnight prior to the event, the products are collected by the students from the company and they receive an orientation on the product by the concerned technical staff and receive brochures for the same. Small scale industries to multinational companies have been a part of this event. The event is publicized through the Institute website, banners, posters, and mouth publicity. On the day of the event, the students and faculty members from the college visit the stalls that are set up by these companies wherein the students give presentations and give a detailed explanation about the products on display. A competition for the best stall is organized and is judged according to presentation skills, technical knowledge, etc. To assure the safeguard of the products, an undertaking is signed between the companies and the respective departments giving the assurance of the repair in case of any damage. The products are returned to the company after the event. Since the students present these products to a large audience, it enhances not only their communication skills but improves overall personality. Students do these activities without affecting their academics, this way they also practice time management. This event facilitates grooming of students like their communication skills, technical skills, team-building skills are polished which leads to their overall development. Apart from these benefits, they are also exposed to industrial work culture which certainly helps them after their graduation. Some facts and figures are listed below: i) No. of Companies visited: 85 ii) No. of students participated/visited: 1260

Provide the weblink of the institution

8.Future Plans of Actions for Next Academic Year

- Enhancing Academic Excellence Along with the core academics additional knowledge and application of knowledge that is not prescribed in the university curriculum need to be incorporated in the curriculum. The additional workshop and guest lectures will be organized for the students. At the same time, the need for advanced courses to staff will be identified and a policy decision of conduction of faculty development shall be made. • All round development of students to make them responsible citizens Students all-around development is dependent on aptitude, HR skills, technical vertex as well as interpersonal skills and soft skills. Invited talks on these skill sets will be organized. • Enrichment of knowledge and giving research exposure to faculty Guidance sessions will be organized for updating the faculty in their chosen career path and acquiring domain expertise at the national and international level with patents. • Inculcating research culture in the institute Faculty and students should carry forward research in the chosen vertex. Faculty members will be encouraged to do research and publish it with a reputed publishing house with the objective of making it a part of the Institute culture. • Introducing new undergraduate courses Considering the needs of society and the recommendation of AICTE and UGC, new undergraduate courses in Data science, Artificial Intelligence, Internet of Things and Robotics shall be introduced.