Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**BANSILAL RAMNATH AGARWAL CHARITABLE TRUST'S VISHWAKARMA INSTITUTE OF TECHNOLOGY**
Name of the head of the Institution	**Rajesh Jalnekar**
Designation	**Director**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**020-24202221**
Mobile no.	**9552544489**
Registered Email	**director@vit.edu**
Alternate Email	**rajesh_jalnekar@vit.edu**
Address	**666, Upper Indiranagar, Bibwewadi**
City/Town	**Pune**
State/UT	**Maharashtra**
Pincode	**411037**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**17-Jul-2008**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr. Vijay Gaikwad**
Phone no/Alternate Phone no.	**02024202136**
Mobile no.	**9545456608**
Registered Email	**vijay.gaikwad@vit.edu**
Alternate Email	**vdgaikwad81@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.vit.edu/images/PDF/AQAR_2017_18.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.vit.edu/images/News/Academic_calendar_18-19.doc

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
2	**A++**	**3.53**	**2018**	**02-Nov-2018**	**01-Nov-2023**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**26-Jul-2013**

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

MOOC Development	01-Dec-2018 5	135
Induction program for teachers	17-Aug-2018 1	43
Teaching learning through VOLP	24-Jul-2018 1	136
Role of faculty as guardian	26-Jul-2018 1	131
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Vishwakarma Institute of Technology, Pune	Autonomy	UGC	2008 4380	0
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	**2**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. MOOC Development

2. Use of Google Classroom in teaching learning process

3. Faculty web page development

4. Project based on Engineering Design and Development

5. Strengthening alumni association

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
Develop a course related to engineering design and development	Course on Engineering Design and Development (EDD)
Course Development in video format	MOOC Development by Faculty
Industry exposure to students	Semester long internship
Self learning of students	Rigorous home assignment to students for each subject
To implement project-based learning	Implementation of course project for each subject having laboratory work
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Board of Management	29-Mar-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	28-Sep-2018
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	18-Dec-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	Administration at VIT is computerized under MIS. • To provide one central repository for all information that is shared by all the various ERP facets in

order to smooth the flow of data across the organization. • To enhance productivity, efficiency of processes to achieve institutional objectives. • Modular design to facilitate seamless integration of new requirements and growth. • To reduce the response time by effectively transferring crucial information. • To reduce paper work and increase operational efficiency. • To streamline the numerous functions performed by the institute as a whole modules currently operational as follows: • Registration • Admission • Fee Collection • ICard Generation • Sending Result Of Mid Semester On SMS And Email. • Sending SMS, mail to students • Staff Appraisal System (feedback) • Feedback based courses to faculty. Creation ,updation of question • Room database, time table preconditions. staff conditions, reconditions of departments • Course ,institute feedback • User Management • On Line Mid Semester Examination • Feedback on course contents , institute feedback • Dynamic Query analyze • Exam Marks Entry • Examiner appointment, marks entry of theory TA, ESE and LAB marks. • Exam Result • Exam result calculation, declaration, sending SMS • Exam Gradation • Exam seating arrangement and many other exam utilities • Staff Record Storage • Leave Management • Load Allocation subject assignment to staff before start of semester • Timetable generation and various reports

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

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

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	CH	Chemical Engineering	30/07/2018
BTech	CS	Computer Enginnering	30/07/2018
BTech	EL	Electronics Engineering	30/07/2018
BTech	ET	Electronics and Telecommunication Engineering	30/07/2018

BTech	IC	Instrumentation and Control Engineering	30/07/2018
BTech	IE	Industrial Engineering	30/07/2019
BTech	IT	Information Technology	30/07/2018
BTech	ME	Mechanical Engineering	30/07/2018
BTech	PR	Production Engineering	30/07/2018
Mtech	CH	Chemical Engineering	30/07/2018

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

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Instrumentation and Control Engineering	30/07/2018	IC2001:Sensors and Transducers	30/07/2018
BTech	Instrumentation and Control Engineering	30/07/2018	IC2003 Signal Processing	30/07/2018
BTech	Instrumentation and Control Engineering	30/07/2018	IC2005 Electronic Circuits	30/07/2018
BTech	Instrumentation and Control Engineering	30/07/2018	IC2007 Data Structures	30/07/2018
BTech	Instrumentation and Control Engineering	30/07/2018	IC2009 Engineering Design and Development	30/07/2018
BTech	Instrumentation and Control Engineering	30/07/2018	IC2011 Discrete Structure and Graph Theory	30/07/2018
BTech	Instrumentation and Control Engineering	30/07/2018	IC2002 Industrial Automation	30/07/2018
BTech	Instrumentation and Control Engineering	30/07/2018	IC2004 Control Systems	30/07/2018

BTech	Instrumentation and Control Engineering	30/07/2018	IC2006 Microprocessor and Microcontrollers	30/07/2018
BTech	Instrumentation and Control Engineering	30/07/2018	IC2008 Field Instrumentation	30/07/2019
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Computer Engineering	30/07/2018
BTech	Electronics Engineering	30/07/2018
BTech	Electronics and Telecomminication Engineering	30/07/2018
BTech	Instrumentation and Control Engineering	30/07/2018
BTech	Industrial Engineering	30/07/2018
BTech	Information Technology	30/07/2018
BTech	Mechanical Engineering	30/07/2018
BTech	Production Engineering	30/07/2018
BTech	First Year Engineering Common to all	30/07/2018
BTech	Chemical Engineering	30/07/2018
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Chemical Engineering	30/07/2018
BTech	Computer Engineering	30/07/2018
BTech	Electronics Engineering	30/07/2018
BTech	Electronics and Telecommunication Engineering	30/07/2018
BTech	Instrumentation and Control Engineering	30/07/2018
BTech	Industrial Engineering	30/07/2018
BTech	Information Technology	30/07/2018
BTech	Mechanical Engineering	30/07/2018
BTech	Production Engineering	30/07/2018
Mtech	Chemical Engineering	30/07/2018

Mtech	Computer Engineering	30/07/2018
Mtech	Electronics and Telecommunication Engineering	30/07/2018
Mtech	Instrumentation and Control Engineering	30/07/2018
Mtech	Industrial Engineering	30/07/2018
Mtech	Mechanical Engineering Heat Power	30/07/2018
Mtech	Mechanical Engineering Design	30/07/2018
MCA	Computer Applications	30/07/2018

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
Hardware and Software Workshop	30/07/2018	1197
Machining Workshop	30/07/2018	1197
Environmental Science	30/07/2018	1197
Behavioral Sciences	30/07/2018	1197
Soft Skills	30/07/2018	1197
Professional Development 1	30/07/2018	1197
Induction Training	30/07/2018	1197
General Proficiency	30/07/2018	1197
Professional Development 1	30/07/2018	75
General Proficiency 2	30/07/2018	75
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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
BTech	First Year Engineering Common to all	1243
BTech	Chemical Engineering	489
BTech	Computer Engineering	1265
BTech	Electronics and Telecomminication Engineering	327
BTech	Instrumentation and Control Engineering	209
BTech	Industrial Engineering	194
BTech	Information Technology	445

BTech	Mechanical Engineering	738

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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 conducts an anonymous online feedback about the faculty performance in teaching learning since 2001. The nature of feedback has matured and evolved during the course of last 20 years as per the changing roles and responsibilities of the teacher. The student feedback about faculty classroom performance now focuses not only on teaching learning, but also on the role as a guardian, the role as an academic and non-academic mentor. The feedback also captures the industry relevance of the course, or its content as a fundamental basis for the applied courses. The use of ICT enabled approach in teaching-learning, preparation of MOOCs etc, is also captured. The assessment methodology is also included in the feedback. This feedback is conducted 4 times in an academic year. Based on the cumulative performance, improvement actions are also initiated. the under performing faculty in domain areas and/or soft skills are identified and are given appropriate training. The top performing faculty are felicitated, given cash incentive and medal as a recognition on the auspicious occasion of the Foundation Day of the Institute. The students also give feedback about Institute resources such as canteen, library, sports, students section etc. This feedback is given once in an year. The feedback is analyzed in a quantitative as well as qualitative manner. Many developments such as facility creation, infrastructure augmentation, campus aesthetic development have taken place in response to the feedback. The graduating students also give Exit feedback about the academics, value addition during their student life in the Institute etc. The teachers provide constructive academic and administrative feedback on a forum named faculty forum. being an important internal stakeholder of the Institute, their constructive suggestions are appropriately considered by the Senior Leadership. The Training and Placement office of the Institute has been collecting feedback about the Academic preparation, Soft skills of students as well as the ambiance and service support rendered by the Placement Office. The academics related feedback is used by the Departments for academic improvement purpose. The other aspects of support service are used for infrastructure augmentation. The ambiance and service standards of the placement service has enhanced significantly in the last few years owing to the feedback of the employers. A separate meeting room with a seating capacity of 25 is created. 15 Air conditioned Interview rooms are prepared. Alumni give the feedback during the Annual alumni meet. Also many Departments conduct Department level meets in which the opinions offered by the alumni are highly regarded and respected. Parents also give their feedback as per their domain background and for quality improvement.

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
BTech	CHEMICAL ENGINEERING	60	419408	60
BTech	COMPUTER ENGINEERING	240	419408	240
BTech	ELECTRONICS AND TELE COMMUNICATION	120	419408	120
BTech	ELECTRONICS ENGINEERING	120	419408	120
BTech	INDUSTRIAL ENGINEERING	60	419408	46
BTech	INFORMATION TECHNOLOGY	60	419408	60
BTech	INSTRUMENTATION & CONTROL ENGINEERING	180	419408	180
BTech	MECHANICAL ENGINEERING	240	419408	240
BTech	PRODUCTION ENGINEERING	60	419408	49
MCA	MASTER OF COMPUTER APPLICATION	60	45055	58

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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	3272	318	148	12	29

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
189	189	10	56	56	10

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

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

Mentoring activity is carried out for all students of the Institute. A mentor is assigned to the student at the time of admission. The same mentor faculty of the Department continues to counsel and guide the student throughout the years of graduation. The mentor faculty guides the student during the junior and senior years of Engineering and helps them carry out their Strength, Weakness, Opportunities and Challenges (SWOC) analysis. The mentors also guide the students for research publications, patent filing etc. Mentors also guide about goal setting , Resume writing etc. The mentors guide the students about higher studies and Entrance examinations, other competitive examinations. The mentors also encourage students to participate in student activities matching with the abilities and aptitude of the student. The mentors also guide the students about soft skills and communication skill development. Mentors offer academic counselling and career counselling such as placements, higher studies and entrepreneurship support, incubation support etc. Mentors help students in personal matters.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3590	189	19

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
169	189	Nill	Nill	57

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. Rajesh Jalnekar	Director	Excellent Innovative Director Award
2018	Dr. Rajesh Jalnekar	Director	National Builder
2019	Dr. Vijay Gaikwad	Associate Professor	Dr. APJ Abdul Kalam Life Time Achievement Award
2018	Prof. (Dr.) Ganesh Bhutkar	Assistant Professor	Best Applied Research Award
2018	Prof. (Dr) S. T. Patil	Professor	Academic Excellence Award
2019	Prof. Kapil Mundada	Assistant Professor	Best Faculty Award
2019	Dr. P. P. Ghadekar	Associate Professor	Best Paper award
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last	Date of declaration of

			semester-end/ year-end examination	results of semester-end/ year-end examination
BTech	BTech	2018-19	20/05/2019	27/05/2019
Mtech	MTech	2018-19	20/05/2019	27/05/2019
MCA	MCA	2018-19	20/05/2019	27/05/2019
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
5	4752	0.1

2.6 – Student Performance and Learning Outcomes

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

http://www.vit.edu/images/NAAC/PO-PSO-CO-All_Departments.pdf

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
B.Tech	BTech	CHEMICAL ENGINEERING	78	72	92.31
B.Tech	BTech	COMPUTER ENGINEERING	196	180	91.84
B.Tech	BTech	ELECTRONICS AND TELE COM MUNICATION	151	146	96.6
B.Tech	BTech	ELECTRONICS ENGINEERING	120	118	98.33
B.Tech	BTech	INDUSTRIAL ENGINEERING	35	33	94.29
B.Tech	BTech	INFORMATION TECHNOLOGY	56	51	91.07
B.Tech	BTech	INSTRUMENT ATION & CONTROL ENGINEERING	76	74	97.37
B.Tech	BTech	MECHANICAL ENGINEERING	184	177	96.20
B.Tech	BTech	PRODUCTION ENGINEERING	47	46	97.87
M.Tech	Mtech	Computer Engineering	18	17	94.44

2.7 – Student Satisfaction Survey

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

http://www.vit.edu/images/NAAC/student_satisfaction_survey.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

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

Yes

Name of the teacher getting seed money
PROF. AMRUTA P. VIDWAT
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	**Dr. Vivek Deshpande**	**Post Doctoral Felloship**	**31/05/2019**	**Technical university of Sofia**
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3.2 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	**730**	**ISRO**	**22.36**	**6**
Major Projects	**730**	**ISRO**	**7.5**	**7.5**
Major Projects	**365**	**African Academy of Sciences India Alliance**	**2.48**	**2.48**
Major Projects	**365**	**IEEE Pune Section**	**1.6**	**1.6**
Major Projects	**1158**	**Science and Engineering Research Board (SERB)**	**6.6**	**2**
International Projects	**730**	**NSF Foundation,**	**0.1**	**0.1**

		Binghamton		
Interdisciplinary Projects	730	BCUD	3	3
Projects sponsored by the University	730	BCUD	2	2
Projects sponsored by the University	730	BCUD	1	1
Major Projects	730	ISRO	38.32	18
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.18

3.3 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Accenture Innovation Challenge	Information Technology MCA	08/08/2018
Awareness of Google Summer Of Code(GSOC)	Information Technology MCA	16/08/2018
Technical Innovation Competition and DISQ InternshipOpportunities for Students	Information Technology MCA	08/07/2018
TechQ session by Extentia	Information Technology MCA	18/09/2018
Guest lecture conducted on AWS Microsoft Cloud	Information Technology MCA	10/08/2018
Industry 4.0 andPLM	Information Technology MCA	10/12/2018
career opportunities in Japan	Information Technology MCA	22/11/2018
Research Opportunities in Data Science	Information Technology MCA	23/11/2019
BYJU's -The learning App - Opportunities in Higher study	Information Technology MCA	27/08/2018
ICE GATE	Information Technology MCA	08/08/2018
ICE GATE	Information Technology MCA	14/08/2018
Induction Program for MCAFirst Year students	Information Technology MCA	20/08/2018
Self Development	Information Technology	11/08/2018

Program	MCA	
Self Development Program	Information Technology MCA	11/11/2018
Self Development Program	Information Technology MCA	21/11/2018
Self Development Program	Information Technology MCA	23/02/2019
Machine Learinign and AI	Information Technology MCA	25/01/2019
Java JDBC	Information Technology MCA	26/10/2018
Cyber Security Ethical Hacking	Information Technology MCA	16/07/2018
AWS(Amazon Web Services)	Information Technology MCA	26/10/2018
Technical Innovation Competition and DISQ Internship Opportunities for Students	Information Technology MCA	08/07/2018
Industry 4.0 and PLM	Information Technology MCA	12/10/2018
IPR Workshop	Information Technology MCA	12/10/2018
Introduction to GPU server and How to use it?	Information Technology MCA	10/01/2019
Data Science using Machine Learning and Deep Learning Perspective	Information Technology MCA	23/02/2019
Introduction to GPU Computing Using CUDA	Information Technology MCA	16/02/2019
IOT security, challenges and role of cloud computing in IOT	Information Technology MCA	15/03/2019
Design and development of hybrid vehicle	Mechanical Engineering Department/Elite Tchno Group	06/01/2018
National Conference of Emerging Trends in Mechanical Engineering (NCETME-2019)	Mechanical Engineering Department	02/07/2019
International conference on energy and environment	Chemical Engg. Dept.	01/04/2019
Workshop on Aspen plus	Chemical Engg. Dept.	09/08/2019
Data Science and Big Data Analytics	Computer Engg. Dept.	02/07/2018
AutomationEdge Webinar	Computer Engg. Dept.	03/08/2018
AutomationEdge Plug-in Session	Computer Engg. Dept.	08/10/2018

Faculty Development Session	Computer Engg. Dept.	27/08/2018
Faculty Development Program on Data Science	Computer Engg. Dept.	25/03/2019
Faculty Development Program	Computer Engg. Dept.	25/03/2019
Image Processing and Cloud analytics for IoT Applications	Computer Engg. Dept.	01/11/2018
Design of MultiProgramming Operating System	Computer Engg. Dept.	11/08/2018
Visit to Trimurty Heat treaters, Pune	Industrial Production Engg. Dept.	03/10/2018
International conference on Powder Metallurgy,APMA2019	Industrial Production Engg. Dept.	18/02/2019
Visit to Vikram Sarabhai Space center,Thiruvananthpuram.	Industrial Production Engg. Dept.	29/07/2019
Workshop on Impact of Technological Advances on Logistics Supply chain management.	Industrial Production Engg. Dept.	21/02/2019
Indian Institution of Industrial Engineering Mentoring Program	Industrial Production Engg. Dept.	19/03/2019
Faculty development program in Industrial Production Engineering on Foundry Technology	Industrial Production Engg. Dept.	01/06/2019
Conducted Faculty development program in Industrial Production Engineering on Mini Tab	Industrial Production Engg. Dept.	01/06/2019
Developing the Research skills for B.Tech Production Engineering	Industrial Production Engg. Dept.	01/05/2019
Visit toThermotouch Industries	Industrial Production Engg. Dept.	14/03/2019
Guest Lecture on Supply Chain Management - Design Considerations in Network Design	Industrial Production Engg. Dept.	24/03/2018
Guest lecture on Role of Inventory Management in Supply Chain Network	Industrial Production Engg. Dept.	07/04/2018
Innovation opportunities in Automotive electronics	Instrumentation Engg. Dept.	29/08/2018

Innovation opportunities in Automotive electronics	Instrumentation Engg. Dept.	22/11/2018
Start up s and innovations	Instrumentation Engg. Dept.	07/09/2018
Entrepreneurship	Instrumentation Engg. Dept.	27/10/2018
IPR and innovations	Instrumentation Engg. Dept.	24/01/2019
What is IPR	Instrumentation Engg. Dept.	09/02/2019
Oportuniites in IOT	Instrumentation Engg. Dept.	05/02/2019
IIOT Vision: Industrial Perspective	Instrumentation Engg. Dept.	15/02/2019
Innovations in Waste water management	Instrumentation Engg. Dept.	20/11/2019
Innovations in Flow measurement	Instrumentation Engg. Dept.	20/03/2019
Start Up and Product Development	Electronics Engg. Dept.	22/02/2019
Role of Electronics in Electric Vehicles	Electronics Engg. Dept.	07/03/2019
One Week National Summer Training Program (NSTP 18) in association with Finland Labs and E-Summit-IIT Roorkee	Electronics Engg. Dept.	23/07/2019
Artificial Intelligence using PYTHON	Electronics Engg. Dept.	05/09/2018
Signal Processing using MATLAB	Electronics Engg. Dept.	22/08/2018
Engineering Design and Development 1PROJECT Conference	Department of EngineeringSciences and Humanities	22/12/2018
MINI PROJECT CONFERENCE	Department of EngineeringSciences and Humanities	28/04/2018
Project Based Python Programming	Department of EngineeringSciences and Humanities	02/07/2018
Training Course in C Programming	Department of EngineeringSciences and Humanities	16/05/2018
Workshop on Autocad	Chemical Engg. Dept.	08/03/2019
Workshop on Pumps	Chemical Engg. Dept.	08/02/2019
Visit to Katraj Diary	Chemical Engg. Dept.	25/10/2018
Visit of Shivshakti	Chemical Engg. Dept.	23/10/2018

Oxalate Ltd, Kurkubh MIDC, Daund		
Visit to Lavender laboratories Ltd, Kurkumbh MIDC Daund	Chemical Engg. Dept.	23/10/2018
Seminar on Global Energy by Mr. Sudhir Shah, from PCRA, Mumbai	Chemical Engg. Dept.	22/08/2018
Seminar on Chemical Engineering a bright future field for innovation	Chemical Engg. Dept.	13/03/2019
Seminar on Oppotunities in Process Industry	Chemical Engg. Dept.	16/08/2019
Students Seminar	Instrumentation Engg. Dept.	24/10/2018
Workhop on Machine Learning	Instrumentation Engg. Dept.	30/03/2019
Autospark 2018	Mechanical Engineering Department	20/10/2018
Guest lecture organised	Mechanical Engineering Department	17/01/2019
Guest lecture organised	Mechanical Engineering Department	21/11/2018
Guest lecture organised	Mechanical Engineering Department	07/01/2019
Guest lecture organised	Mechanical Engineering Department	14/01/2019
Guest lecture organised	Mechanical Engineering Department	21/09/2019
Guest lecture organised	Mechanical Engineering Department	01/11/2018
Guest lecture organised	Mechanical Engineering Department	15/02/2019
Guest lecture organised	Mechanical Engineering Department	12/09/2019
Guest lecture organised	Mechanical Engineering Department	22/03/2019
Guest lecture organised	Mechanical Engineering Department	18/03/2019
Guest lecture organised	Mechanical Engineering Department	26/11/2018
Guest lecture organised	Mechanical Engineering Department	02/07/2019
Guest lecture organised	Mechanical Engineering Department	14/03/2019
Guest lecture organised	Mechanical Engineering Department	17/04/2019

Guest lecture organised	Mechanical Engineering Department	02/07/2019
Guest lecture organised	Mechanical Engineering Department	17/08/2018
Infosys Visit	Dept of Comp Engg	01/09/2018
Barclays visit	Dept of Comp Engg	21/09/2018
Vsquare system visit	Dept of Comp Engg	15/10/2018
Workshop on Mobile Accessibility	Dept of Comp Engg	14/11/2018
Problem Formulation Solving	Dept of Comp Engg	22/08/2018
Autocluster Visit	Industrial Production Engg. Dept.	12/04/2019
Summer Internship Program on MATLAB app development in image and speech processing	ETC Engg. Dept.	26/06/2018
Summer Internship Program in Industrial Internet of Things	ETC Engg. Dept.	26/06/2018
Summer Internship Program in Aerial Drones	ETC Engg. Dept.	26/06/2018
Summer Training Course on AI for Robotics	ETC Engg. Dept.	10/07/2018
Honors in Artificial Inteligence and Data Analytics	ETC Engg. Dept.	01/09/2018
Honors in Computer Engineering	ETC Engg. Dept.	01/09/2018
How to ensure that dreams don't die	ETC Engg. Dept.	17/01/2018
Unithing technical LLP	ETC Engg. Dept.	03/10/2018
Guest lecture by Mr. PratikGaikwad (Design Engineer, Cadence Design)	ETC Engg. Dept.	15/03/2018
Guest lecture by Mr. Rohit Mundada (Design Engineer, Opensilicon)	ETC Engg. Dept.	13/03/2019
Guest lecture by Mr. Vinay Somanche (Manager, Ineda Systems)	ETC Engg. Dept.	17/02/2019
Intromeet of Antariksh	ETC Engg. Dept.	18/08/2018
Star Party	ETC Engg. Dept.	10/06/2018
Public Talk	ETC Engg. Dept.	09/04/2019
Moon gazing	ETC Engg. Dept.	20/03/2019
Star Party	ETC Engg. Dept.	02/02/2019
Star Party	ETC Engg. Dept.	13/04/2019

Science day	ETC Engg. Dept.	28/02/2019
Workshop on Python	ETC Engg. Dept.	08/09/2018
Workshop on "Game Development using Arduino"	ETC Engg. Dept.	28/10/2019
Workshop on "Image Processing using Python"	ETC Engg. Dept.	22/10/2019
Workshop on "Matlab"	ETC Engg. Dept.	23/02/2019
Workshop on "Web Development"	ETC Engg. Dept.	15/03/2019
Workshop - UX@Work	Comp Engg Dept.	02/09/2019
Technical talk	Mechanical Engg. Dept.	20/09/2018
Navonmesh Mini ProjectCompetition2018	Department of EngineeringSciences and Humanities	28/04/2018
Navonmesh Engineering Design and Development 1Selected Project Conference	Department of EngineeringSciences and Humanities	18/01/2019
Invited Talk on Intellectual Property,Inovation and Research by Mr. Kameshwar Eranki	Department of EngineeringSciences and Humanities	14/08/2018
Orientation session onResearchand Innovation BY Dean R D VIT, Pune	Department of EngineeringSciences and Humanities	17/08/2018
Orientation Session on EDD Project by Hod Electronics	Department of EngineeringSciences and Humanities	17/08/2018
Orientation Session on EDD Project by Dean Academics	Department of EngineeringSciences and Humanities	17/08/2018
Orientation Session on Enterpreneurship by Dean Student Activities	Department of EngineeringSciences and Humanities	17/08/2018
Orientation Session on Professional Development 1 coursecarreer Global Internship by Dean Student Career counselling guidance.	Department of EngineeringSciences and Humanities	16/01/2019
V Dream Career Fair, VIT Pune	Department of EngineeringSciences and Humanities	13/02/2019
The Robotic Forum level 2	Department of EngineeringSciences and Humanities	01/06/2018
The Robotic Forum level 1	Department of EngineeringSciences and	01/09/2019

	Humanities	
TRF RoboDroid Workshop	Department of EngineeringSciences and Humanities	19/01/2019
Navonmesh Mini ProjectCompetition2018	Department of EngineeringSciences and Humanities	28/03/2018
Navonmesh Engineering Design and Development 1Selected Project Conference	Department of EngineeringSciences and Humanities	18/01/2019
Course Project AssessmentinPhysics	Department of EngineeringSciences and Humanities	26/11/2018
Course ProjectChemistry	Department of EngineeringSciences and Humanities	26/11/2018
Course ProjectApplied Science	Department of EngineeringSciences and Humanities	26/11/2018
Course ProjectC Programming	Department of EngineeringSciences and Humanities	26/11/2018
Set_code 1.2 Coding Competiton	Department of EngineeringSciences and Humanities	19/03/2019
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Research	Dr. VivekDeshpande	VIT, Pune	01/09/2018	Research
Academic	Prof. S. B. Karthick	VIT, Pune	01/09/2018	Academic
App Development	Dr. Ganesh Bhutkar	Ministry of Social Justice Empowerment	01/10/2018	App Development
Technical Project	Kapil Mundada	SPPU Design Innovation Centre (MHRD_GOI Funded Scheme)	13/06/2018	Technical Project
Ecosystem Developement	Kapil Mundada	DST and Texas Instruments	01/10/2018	Ecosystem Developement
Academic	Jitendra Gaikwad	VIT Pune	01/09/2018	Academic
Academic	Anil Kadu	VIT Pune	01/09/2018	Academic
Research Publication	S.M.Deokar	IEEE	18/08/2018	Research Publication
Innovative	Mrs. M. V.	Global World	18/10/2018	Innovative

| Research and Dedicated Acade micician(Chemist) Award | Ghamande | | | | Research and Dedicated Acade micician(Chemist) Award |
| IARDO Best Teacher of the Year Awards 2018 | Mrs. M. V. Ghamande | IARDO | 28/10/2018 | | IARDO Best Teacher of the Year Awards 2018 |

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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
VSTEP	VSTEP	BRACT Trust	WinGrow	Agriculture	10/08/2018

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Chemical Engineering Department	1
Computer Engineering Department	1
Mechanical Engineering Department	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Computer Engineering	2	1.2
International	Instrumentation Engineering	3	1.5
International	Mechanical Engineering	16	3.8
International	IPED Engineering	1	2
International	Department of EngineeringSciences and Humanities	105	5.09
International	IT Engineering	5	0.72
International	Chemical Engineering	2	1.07
International	Electronics Engineering	5	5.5
International	ETC Engineering	2	2.07

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

Department	Number of Publication

Computer Engineering Department	12
Instrumentation Engineering Department	19
Mechanical Engineering Department	5
Industrial and Production Engineering Department	2
Department of EngineeringSciences and Humanities	92
IT Engineering Department	14
Chemical Engineering Department	12
ETC Engineering Department	15

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
No Data Entered/Not Applicable !!!			

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
On the complexity of noncommutative polynomial factorization	Prof. P. S.Jogalekar	Information and Computation, 2018, Elsevier	2018	1.36	Vishwakarma Institute of Technology, Pune	5
A SURVEY OF AUTOMATED TEST DATA GENERATION TECHNIQUES	Sachin D. Shelke1, Dr. S. T. Patil2	International Journal of Advance Engineering and Research Development, Volume 5, Issue 08	2018	5.71	Vishwakarma Institute of Technology, Pune	Nill
Modelling and Inverse of Hysteresis of Piezoelectric Actuator Based on Prandtl-Ish	Kalyani BhoreShilpa Sondkar	International Journal of Pure and Applied Mathematics	2018	7.19	Vishwakarma Institute of Technology, Pune	Nill

linskii Model						
Remote Monitoring of Sucker Rod Pump System	Santosh GuptaManisha Mhetre	International Research Journal of Engineering and Technology (IRJET)	2018	19	Vishwakarma Institute of Technology, Pune	Nill
An ultrafast Over current Protection Scheme for Power MOSFETs Switches	Praveen Pol	International Journal of Electronics Letters, Taylor and Francis, UK	2018	5	Vishwakarma Institute of Technology, Pune	Nill
Stiffness Optimization Of Composite Laminate	Yogesh ShilateN.S. Kulkarni	IJSART	2018	5.88	Vishwakarma Institute of Technology, Pune	Nill
Buckling Load Maximization Of Laminated Comp. Plates	Prashant BharambeN.S. Kulkarni	IJESC	2018	5.611	Vishwakarma Institute of Technology, Pune	Nill
Expt.Investigation On Vortex Shedding And Fluid Elastic Instability	Sandeep DesaiS.Pavitran	ASME	2018	7.1	Vishwakarma Institute of Technology, Pune	Nill
Flexural Testing,Ball Impact Testing And FEA Of Display Lens	Nilesh ChavanM.V.Walme	IJSDR	2018	5.47	Vishwakarma Institute of Technology, Pune	Nill
Material Modelling Of PVC For Change In Tensile Properties With Variation In Strain Rate	Nilesh ChavanM.V.Walme	IRJET	2018	19	Vishwakarma Institute of Technology, Pune	Nill

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
No Data Entered/Not Applicable !!!						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	4	47	63	42
Presented papers	74	24	1	Nill
Resource persons	5	2	5	8

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Computer Engineering	**PREPARATION OF DPR PROJECT**	**Readymade Garment Cluster Jintur**	**121525.42**
Instrumentation Engineering	**AUTOMATIC QUALITY CONTROL OF MFG-PARTS**	**Affordable Robotic and Automation Ltd.**	**200000**
Mechanical Engineering	**CFD ANALYSIS FOR PERFORMANCE VALIDATION**	**Forbes Marshall**	**40000**
Computer Engineering	**CONSULTANCY FOR IOT SOLUTIONS**	**Computer Engineering VIT**	**25423.72**
Instrumentation Engineering	**ROBOTICS IN ASSOCIATION WITH JAMBHEKAR AUTOMATION**	**JAMBHEKAR AUTOMATION**	**2542.37**
IMechanical Engineering	**AMOUNT RECD FROM MHRD**	**MHRD**	**6000**
Information Technology MCA	**ETS-TOFFEL /GRE EXAM GRANT**	**TOFFEL**	**2224082**
Information Technology MCA	**EXAM GRANT – COMPANY SECRETARY**	**Company Secretary**	**130334**
Information Technology MCA	**GATE 2019 EXAM**	**GATE**	**209350**
Mechanical Engineering	**GRANT FOR 3 D PLM SOFTWARE**	**Desault System**	**500000**

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

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
Mechanical Engineering	6 M ENGINE HYBRID ELECTIC VEHILCLE TECH -	Mechanical Engineering VIT	37500	40
Chemical Engineering	PIPING ENGINEERING	Chemical Engineering VIT	656772.88	30
E TC Engineering	SUMMER INTERNSHIP PROGRAMME - E TC -	E TC Engineering VIT	139828.5	50
Chemical Engineering	PIPING ENGINEERING	Chemical Engineering VIT	1140677.88	30
Chemical Engineering	ASPEN WORKSHOP FEES BATCH-1	ASPEN	76271.1	50
IPED Engineering	CONDUCTING OF TRAINING	Indian Oil	15000	25
IPED Engineering	TRAINING CHARGE ERGONOMICS STUDY	Antolin India	30000	30
Chemical Engineering	PIPING ENGINEERING	Chemical Engineering VIT	127118.64	150
IPED Engineering	2 DAY W/S IMPACT OF TECH.ADV ON LSCM 2019 IPED-GST	IPED Engineering, VIT	32626.9	70
Chemical Engineering	PIPING ENGINEERING	Chemical Engineering VIT	1038135.52	60
		[View File]()		

3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Campaign	Sasoon Hospital, Pune and A.F.M.C. Blood bank, Pune.	1	874
Police Mitra	Bibvewadi and Swargate Police Station	1	60
General Proficiency 2	Aadhar Education Society	1	30
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
A.F.M.C. Blood Bank	Trophy and recognition for conducting blood donation campaign	A.F.M.C. blood bank	388
Sassoon Blood Bank	Trophy and recognition for conducting blood donation campaign	A.F.M.C. blood bank	366
Pune Traffic police (Police Mitra)	Recognition for help during Ganpati festival	Pune Traffic police (Police Mitra)	86
Organ donation drive	Recognition for conducting organ donation awareness	Rotary Club Pune	130
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Aatmabodh	VIT, Pune	Computer Literacy for Senior Citizens	4	430
Blood Donation Campaign	VIT Pune	Collection of blood bags from students and teachers	4	120
Police Mitra	VIT, Pune	Helping Pune police to manage the crowd during 10 days of Ganpati	1	86
General Proficiency 2 - Compulsory Audit Course for S.Y. B.Tech. Students [Complete 25-30 hours of Social Service]	VIT, Pune	Utkarsh- Teaching School Children.	2	100
General Proficiency 2 - Compulsory Audit Course for S.Y. B.Tech.	VIT, Pune	Aashadeep: Teaching senior citizen and women.	2	60

Students [Complete 25-30 hours of Social Service]				
General Proficiency 2 - Compulsory Audit Course for S.Y. B.Tech. Students [Complete 25-30 hours of Social Service]	VIT, Pune	Night Patrolling: Helping the police Patrol at night.	2	120
General Proficiency 2 - Compulsory Audit Course for S.Y. B.Tech. Students [Complete 25-30 hours of Social Service]	VIT, Pune	Traffic Control: Helping the traffic police, manage the traffic and spread awareness regarding Road Safety and traffic Rules.	1	40
General Proficiency 2 - Compulsory Audit Course for S.Y. B.Tech. Students [Complete 25-30 hours of Social Service]	VIT, Pune	Prayatna: Interacting with Deaf and Dumb children.	2	40
General Proficiency 2 - Compulsory Audit Course for S.Y. B.Tech. Students [Complete 25-30 hours of Social Service]	VIT, Pune	Muskaan: Visiting the orphanages and arranging activities for Orphans.	2	110
General Proficiency 2 - Compulsory Audit Course for S.Y. B.Tech. Students [Complete 25-30 hours of Social Service]	VIT, Pune	E-Reycle: Collection of E-Waste and Awareness regarding it.	2	70
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Student Exchange	3	HOF University and self financed	150
Student Exchange	6	HOF University and self financed	150
Student Exchange	3	OIN Canada program office Self	150
International Internship	10	Self financed	30
International Internship	7	KIST Self financed	30
International Internship	1	Shinano Kenshi self financed	90
Research	4	BINUS University, Indonesia	1
International Internship	2	NTU Singapore Self financed	150
Research	5	HCI Society	2
Research	1	SUNY Binghamton University	1

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Semester Long Internship	Research Internship	CSIR- National Chemical Laboratory, Pune	01/08/2018	10/12/2018	7
Semester Long Internship	Industry Internship	Harmony Organics Pvt. Ltd., Pune	01/08/2018	10/12/2018	5
Semester Long Internship	Industry Internship	Shachi Engineering Pvt.Ltd., Pune	01/08/2018	10/12/2018	4
Semester Long Internship	Industry Internship	Akola Chemicals Pvt Ltd., Akola	01/08/2018	10/12/2018	3

Semester Long Internship	Industry Internship	Akzo nobel Chemicals India, Pune	01/08/2018	10/12/2018	3
Semester Long Internship	Industry Internship	Indian Institute of Technology, Mumbai	01/08/2018	10/12/2018	3
Semester Long Internship	Industry Internship	RCF, Mumbai	01/08/2018	10/12/2018	3
Semester Long Internship	Industry Internship	CSIR-National Chemical Laboratory, Pune	01/01/2019	15/05/2019	3
Semester Long Internship	Industry Internship	Harmony Organics Pvt. Ltd., Pune	01/01/2019	15/05/2019	3
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
AVEVA software	25/03/2019	SCADA software	80
Emerson Export Engineering centre ,Pune	26/02/2019	DCS Delta V software	80
IIT Bombay	08/05/2018	Collaborative research	2
IOTIOT	29/10/2018	Industry Mentoring,Projects,Hackathon	4
Opex AI	06/06/2018	Industry Mentoring,Projects	3
TomTom	01/11/2018	Industry Mentoring,Projects,Internship	32
Hexanika	07/05/2018	Industry Mentoring,Projects,Internship	4
Xoriant	27/11/2018	Industry Mentoring,Projects,Internship,Guest Lecture	35
SCI-COM Software India Pvt. Ltd	29/11/2018	Summer Internships, Semester Long Internships	12
ifm Engineering	29/11/2018	Semester Long	10

Pvt. Ltd. Pune		Internship	
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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
2355.19	2782.67

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Video Centre	Newly Added
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
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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
SLIM-21EX (Software for Library Information Management)	Partially	3.6.0	2003

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	64454	20727000	834	34832	65288	20761832
Reference Books	2937	8545000	Nill	Nill	2937	8545000
e-Books	1684	14000	9266	14000	10950	28000
e-Journals	4339	72000	Nill	Nill	4339	72000
Digital	132	50000	Nill	Nill	132	50000

Database					
CD & Video	1657	266000	Nill	Nill	1657	266000
Others(specify)	523	64000	Nill	Nill	523	64000

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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
Dr. M. P. Deosarkar	Fluid Flow Operations	VOLP	01/08/2018
Dr. H. U. Karne	Process Calculations	VOLP	01/08/2018
Dr. H. U. Karne	Plant Engineering Project Economics	VOLP	01/08/2018
Dr. T. Bhattacharjee	Chemical Engineering Thermodynamics	VOLP	01/08/2018
Priya Nakade	Mechanical Operations	VOLP	01/08/2018
Gyatri Gawande	Chemical Reaction Engineering	VOLP	01/08/2018
Gyatri Gawande	Chemical Reaction Kinetics	VOLP	01/08/2018
Dr. S. R. Satpute	Heat transfer	VOLP	01/08/2018
Prof.(Dr.) P.P.Ghadekar	Image Processing	VOLP	01/08/2018
Prof.(Dr.) P.S. Dhabe	Artificial intelligence	VOLP	01/08/2018

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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	1248	33	2	2	2	1	10	125	0
Added	250	0	0	0	0	0	0	200	0
Total	1498	33	2	2	2	1	10	325	0

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

325 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
e-Content Development Center	http://www.vit.net/

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
448.34	179.64	860.53	905.03

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)

Various physical, academic support facilities mainly include class rooms, laboratories, sports facilities, hostel facilities, equipment, library, I T infrastructure, facilities for effective ambiance for curricular, extra-curricular administrative activities etc. For optimum utilization of classrooms, laboratories library, the academic programs of the institute are arranged in two shifts. The time tables of all UG PG programs are designed for providing optimum utilization of the above resources. The number of computers in various departments are planned as per their requirements. These computers are used on sharing principle to students of all disciplines by all departments during the examination period. A couple of laboratories are also used on sharing basis within allied departments. Separate sections such as System section, Electrical section, Housekeeping section, Workshop section, Civil section are taking care of maintaining these facilities in good working condition. Workshop section has a special maintenance plan for upkeep of the machinery. Similarly other labs also have there own maintenance plans. The ERP system in the institute is well designed to integrate various functions such as Admissions, Registration, Academics, Examinations, Establishments, Accounts etc. to improve the efficiency effectiveness in the overall system. Sports facilities including Gymnasium are kept open to suit students convenience. There is a proper security system, CCTV cameras, Fire extinguishers, Fire fighting hydraulic system, insurance plans for protection of the infrastructure facilities.

http://www.vit.edu/images/NAAC/4_4_2_Policies.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	NA	0	0
Financial Support from Other Sources			
a) National	Government of India PostMatric Scholarship	159	20993344
b)International	NA	Nill	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Job opportunities in Government sector	30/07/2018	25	Rajas Godbole
What you need to do to startup your own venture?	08/07/2018	380	TCS
MS Opportunities abroad	29/08/2018	250	Imperial Overseas
Enhancing employability of students	29/08/2018	200	Aspiring Minds
Enhancing employability of students	30/08/2018	200	Aspiring Minds
Enterprenureship Challenges	18/09/2018	45	Virendra Naik
IOT	16/10/2018	150	Ashwin Kshirsagar
Core Engineering Technical Test	24/01/2019	45	My Perfectice, Rakesh sharma
Future in Engineering	28/01/2019	12	Abhijeet Murugunde
Opportunities for further studies	28/01/2019	35	Banit Singh, Ronchester University

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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
2018	Corporate Readiness Training Program	461	922	180	477

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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
2	2	15

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
VISHWAKARMA INSTITUTE OF TECHNOLOGY	722	476	VISHWAKARMA INSTITUTE OF TECHNOLOGY	421	254
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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	IT	IT	Graduate School of Purdue University	MS
2019	2	IT	IT	University of Maryland	MS
2019	1	IT	IT	Georgia Institute of Technology	MS
2018	1	IT	IT	La Rochelle Business School	MBA
2018	1	IT	IT	FLAME University	MBA
2019	1	EnTC	EnTC	Monash University	Master of Business
2019	1	EnTC	EnTC	IIT Bombay	MTech
2019	2	EnTC	EnTC	North Carolina State University	MS
2019	1	EnTC	EnTC	University of Texas at Dallas	MS
2019	1	EnTC	EnTC	University of Twentee	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	86
GMAT	3

CAT	27
GRE	46
TOFEL	26
Civil Services	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
Vishwakarandak 2018 19	Inter-Collegiate (National Level) Competition	2000
Mélange 2019 19	Inter-Collegiate (National Level) Competition	2500
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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
2018	Won 1st prize at national level project co mpetition by IEPC.	National	Nill	1	161254, 161020, 161985, 161475	Siddhesh Girase, Jairaj Jangle, Nikhil Mahajan, Anant Gavali
2019	Team EKLAVY are the proud winners of SIH2019. They repre sented VIT, Pune on the problem statement of QUICK HEAL at Udaipur nodal centre.	National	Nill	3	151487	Dhaygude Sayali Rajkumar
2018	1st prise in Girls kho-kho	National	2	Nill	151695	Ankita Gavasane

2018	Won first prize of 1 lakh and trophy in Smart India Hackathon at national level	National	5	Nill	161389	Zaid Naikwadi
2019	Winner of SIH-2019	National	Nill	3	161463	Kamlesh Silag
2019	Won Hackathon on VLSi design	National	Nill	3	161256	Harshawardhan Joshi
2018	debate competition held at COEP	National	Nill	4	161323	Shubham Patil
2018	3rd in Project Idea during TechnoChill event in MMCOE	National	Nill	4	151256	Kiran Sapali
2018	3rd in Spotter Snake competition held under E-yantra by IIT - bombay	National	Nill	5	161487, 161914,161322,161023	Ujwal Pawar, Tejas Gurav,Devendra Jadhav, Nikhil Saoji
2018	1st in National level working model contest organsied by KK Wagh College , Nashik	National	Nill	3	161326	Jeevan Thakre
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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)

Student Council members are selected in the first week of every academic year. Dean – Student Activities along with the student council members, are a concoction of students from second year to final year and who collectively represent every branch in the institute outline all planned activities

throughout the year. Financing the activities, event planning and execution, handling manpower requirements, liaison with sponsors, outreach and public relations, concessions, scholarships and exemptions to students, as well as support for the smooth functioning of clubs and student chapters in college is carried out by Student Council. An introspective meeting is conducted as a post event activity for improvement in the forthcoming cycle of the activity. Innovation and creativity is encouraged. Students' representation on the following academic and administrative bodies /committees of the institution ensures active presence of students community: 1. Academic Board 2. Board of Studies – All Departments 3. Student Grievance Cell 4. Anti-Ragging Committee 5. Prevention of Sexual Harassment Committee The involvement of the students begins from first day in the Institute itself through the Director's Address. After sharing the Institute Mission, Vision and the challenges that lie ahead of the 'would be' Engineers, Student Council Representatives inform the students about the salient activities conducted throughout the year and the mode of participation in various technical, social, cultural, sports and self-development activities. The college has various Clubs, Student Associations, and Student Chapters of various professional bodies which happen to be more than 10 year old. One such example is IEEE – VIT Pune, which was amongst the first 3 chapters formed in Pune region in 1999. These bodies conduct their own sessions in the form of Intro-Meets to enlighten the students about their purpose and aim. Students can then sign up for the activities that interest them the most. Student participation in extra-curricular activities is encouraged by granting special leaves, providing remedial teaching, conducting re-examination presenting cash rewards and appreciation / participation certificates. The three major events organized by the Students in every academic year are 1.Vishwakarandakich is an interdepartmental, multi-disciplinary intra-college event. 2. Vishwotsav – Annual Social Gathering 3.Mélange – National Level Inter-Collegiate Multi-disciplinary festival. Students are presented with leadership opportunities on account of these platforms where they imbibe qualities such as leadership and team work, but moreover develop the understanding of the importance of skills such as time-management, negotiation and patience. Abhivriddhi, VITs Student Training and Development Cell, was established with an aim to improve the employability of students and help them gain the necessary skill set for the same. The cell, in its year of induction, conducted activities such as Résumé Writing and Group Discussion Seminars, as well as Mock Technical and HR Personal interviews where experienced Industry Personnel visited the campus to train the students and also provided valuable inputs regarding student grooming.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The VIT Alumni Association has been envisaged to foster a closely knit network bridging the gap between young budding VITians and the accomplished Alumni. Our Alumni have made the Institute proud time and again by achieving laurels round the globe. The VITAA (Vishwakarma Institute of Technology Alumni Association, Pune Reg. No. F-228385) includes experienced Alumni who have passed out from 1991 as well as the new generation of Alumni who passed in the recent years. the alumni association is working towards for continuing relationship between VIT and its former students, and enhance the unity and friendship among the alumni, scattered in different parts of the world. The prominent areas where alumni contribute as mentors are as follows: Student Projects Internships: Our Alumni give their whole hearted support in sponsoring several projects to current students and getting them engaged in internship programs. CRTP: Alumni give their valuable time to train students to be ready for corporate culture in the Corporate Readiness Training Program (CRTP) . IAB: Industry Advisory Board,

one of the important bodies to deliberate on structure and curriculum has major contributions from our alumni. BOS: Every department's Board of Studies (BOS) has meritorious alumnus as one of the members. We receive excellent suggestions for our academic practices from alumni members. Civil Services: Guidance to the students for preparation towards UPSC /MPSC examination is given by Alumni. Startup: Alumni give much needed encouragement and important tips to the students for startup ventures. Prize Sponsorships: Alumni sponsor prizes to students under categories like Topper of the branch, Best outgoing student, Best Project, Best Startup Idea etc. To connect with alumni all over the globe, a portal is launched. VITAA portal can be seen at www.vitpunealumni.in. Here we see about 14000 members connected, out of which 2400 are registered members. The portal is updated with Campus News, Job offers, Campus life and Success stories. The alumni portal hosts Special Interest Groups (SIG) through which our students receive guidance from alumni. Alumni share the job requirement with fellow alumni through Job board. Campus events and Success stories are published on portal regularly to keep the alumni connected to campus. VITAA Monthly Digest is circulated to the members to keep them updated. We see about 40 of the returning users to the portal and about 1500 unique visitors every month. Grand Alumni Meet is organized by alumni association every year and alumni who have made prominent contributions in the field of Academics Research, Corporate Career, Entrepreneurship and Social Development are honoured with the 'Distinguished Alumni' award.

5.4.2 – No. of registered Alumni:

2450

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

357500

5.4.4 – Meetings/activities organized by Alumni Association :

10

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

1. Decentralization: In the Institute every Department has 3 positions under head of the department as assistant head academics , assistant head research add assistant head administration for daily routine activities of academics, research and administration. 2. Participative management: The management helps in strengthening industry collaborations, research activities in the institute.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Research and Development	The faculty and students of our Institute is active in evolving the research culture with focus on Pure and Applied Research. Our relentless effort is always fosters research towards societal benefits. We have established

	Research Forum, which has well-established mechanism through which all RD activities are promoted, encouraged and appraised. Collaborative and experiential learning is achieved through course, semester and major projects, wherein students develop prototype solutions for complex engineering problems. Our competent faculty works for cutting edge research projects funded by ISRO, DST, AICTE, RGSTC etc. and Industries which resulting Institute getting crucial head start in the competitive world.
Curriculum Development	Vishwakarma Institute of Technology leads at the forefront by developing innovative curriculum and teaching learning methods as per the dynamic need of the engineering community and society at large. The autonomous institute works in a planned, purposeful, progressive, and systematic manner in order to create positive improvements in the teaching learning system to address the society's and industry needs from time to time often every year. Feedback are constantly taken from industry, alumni, parents and academicians and relevant changes are made to the curriculum ensuring Student centric approach. Curriculum is enriched with project based learning, project centric learning, participative learning, problem solving methodologies and latest pedagogy methods like flipped classroom are integrated with the curriculum and enhance the learning experiences. These key differentiators allow the students at VIT Pune to become dynamic professionals equipped for the skills of tomorrow.
Teaching and Learning	In order to fulfil the learning objectives effectively, VIT has adopted advanced pedagogy methods of blended learning i.e. - flipped classroom. In a flipped class the lower levels of Blooms Taxonomy are completed by students before coming to class by watching videos of the course at their convenience. The in class time is therefore enriched by active learning strategies including problem solving, project based learning and other similar activities related to higher levels of Blooms Taxonomy. Flipped classroom helps the students learn at their own pace, and also helps give the

	teacher give more individual attention to slow and fast learners. The advantage of this mode of blended learning makes the best use of available class time fulfilling the learning objectives of a course completely.
Examination and Evaluation	Examination ERP system is implemented with following objectives • To enhance productivity, efficiency and achievement of institutional objectives. • To provide integrated solution across all functionalities by linking all processes and sub-processes into a single system. • To reduce the response time by effectively transferring crucial information. • To streamline the numerous functions performed by the institute as a whole. • To improve operational efficiency and Information availability. • To ensure smooth flow of data across the organization. • To reduce paper work. Institute has automated solution (Examination ERP system) for following examination processes 1. Exam setting at beginning of semester At the beginning of every semester exam master entries are done, during this examiner and paper setters are appointed for entire semester. 2. Pre Exam work This defines exam schedule preparation, exam seating arrangement, room details, junior supervisor allocation etc. 3. Pre Exam report Various types of reports like student attendance for exam, junior supervisor reports etc are generated. 4. Result processing Various types of mark entry (continuous assessment and final exam) and subject grading is done. 5. Result declaration SPI CPI is calculated and result is declared through, mail, sms, student portal. 6. Mark-sheet printing 7. Result analysis To ensure 360 degree development of students various assessment components such as home assignment, lab, course project, MEE, ESE are evaluated
Library, ICT and Physical Infrastructure / Instrumentation	Various physical, academic support facilities mainly include class rooms, laboratories, sports facilities, hostel facilities, equipment, library, IT infrastructure, facilities for effective ambiance for curricular, extra- curricular administrative activities etc. For optimum utilization

	of classrooms, laboratories library, the academic programs of the institute are arranged in two shifts. The time tables of all UG PG programs are designed for providing optimum utilization of the above resources. The number of computers in various departments are planned as per their requirements. These computers are used on sharing principle to students of all disciplines by all departments during the examination period. A couple of laboratories are also used on sharing basis within allied departments. Separate sections such as System section, Electrical section, Housekeeping section, Workshop section, Civil section are taking care of maintaining these facilities in good working condition. Workshop section has a special maintenance plan for upkeep of the machinery. Similarly other labs also have their own maintenance plans. The ERP system in the institute is well designed to integrate various functions such as Admissions, Registration, Academics, Examinations, Establishments, Accounts etc. to improve the efficiency effectiveness in the overall system. Sports facilities including Gymnasium are kept open to suit students convenience. There is a proper security system, CCTV cameras, Fire extinguishers, Firefighting hydraulic system, insurance plans for protection of the infrastructure facilities.
Human Resource Management	Teaching and non teaching staff training is carried out by Hon Director as well as other professional in coordination with Dean faculty development. During the training various theory sessions as well as hands-on sessions are conducted.
Industry Interaction / Collaboration	Dean Industry relation is assigned activity of Industry interaction and collaboration. Industry collaboration involves semester long internship, research internship, summer internship, industrial visit, guest lectures, IAB. At department level Assistant Head Research ensures implementation of Industry interaction and collaboration activities in association with Dean Industry Relation.
Admission of Students	Showcasing VI Institute activities through News papers, campaign, social

media • Counselling and guidance through Book publication • Academic reforms to address needs of Industry, academia and Society at large

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

E-governace area	Details
Examination	Examination ERP system is implemented with following objectives • To enhance productivity, efficiency and achievement of institutional objectives. • To provide integrated solution across all functionalities by linking all processes and sub-processes into a single system. • To reduce the response time by effectively transferring crucial information. • To streamline the numerous functions performed by the institute as a whole. • To improve operational efficiency and Information availability. • To ensure smooth flow of data across the organization. • To reduce paper work. Institute has automated solution (Examination ERP system) for following examination processes 1. Exam setting at beginning of semester At the beginning of every semester exam master entries are done, during this examiner and paper setters are appointed for entire semester. 2. Pre Exam work This defines exam schedule preparation, exam seating arrangement, room details, junior supervisor allocation etc. 3. Pre Exam report Various types of reports like student attendance for exam, junior supervisor reports etc are generated. 4. Result processing Various types of mark entry (continuous assessment and final exam) and subject grading is done. 5. Result declaration SPI CPI is calculated and result is declared through, mail, sms, student portal. 6. Mark-sheet printing 7. Result analysis
Planning and Development	VIERP system ensures planning and development of various activities. this helps in enhancing productivity, efficiency and achievement of institutional objectives. It improves operational efficiency and Information availability.
Administration	1. Report generation 2. leave management 3 faculty and staff database. 4. Self appraisal
Finance and Accounts	1.use of Tally software 2.student

	fees collection and management system 3. Faculty / External examiner remuneration
Student Admission and Support	1. Online registration process through VIERP system 2. Elective allocation as per students choice 3. I card generation

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	Dr. T. Bhattacharjee	Sustainable development through green technology	Bharati Vidyapeeth, Pune	1000
2018	Dr. H. U. Karne	Sustainable development through green technology	Bharati Vidyapeeth, Pune	1000
2018	Dr. S. R. Satpute	Sustainable development through green technology	Bharati Vidyapeeth, Pune	1000
2018	Dr. H. U. Karne	CHEMTECH World Expo-2019	Jasubhai Media Pvt Ltd, Mumbai	1000
2018	Dr. S. R. Satpute	CHEMTECH World Expo-2019	Jasubhai Media Pvt Ltd, Mumbai	1000
2018	Dr. S.R.Kulkarni	CHEMTECH World Expo-2019	Jasubhai Media Pvt Ltd, Mumbai	1000
2018	Prof. P. G. Nakade	Fundaments of TOC-L, Instrumentation Maintenance	Shimadzu	1000
2018	Prof. Manisha Mhetre	1st International Conference on Data Science and Analytics, PuneCon 2018	NA	10000
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development	Title of the administrative training	From date	To Date	Number of participants (Teaching	Number of participants (non-teaching

	programme organised for teaching staff	programme organised for non-teaching staff			staff)	staff)
2018	Mobile Accessibility Workshop ,	NA	14/11/2018	14/11/2018	6	Nill
2018	Problem Formulation Solving by Mr. ShashankKulkarni - Program Director - Tata Consultancy Services	NA	22/08/2018	22/08/2018	27	Nill
2018	International Thematic Workshop / Camp 2018 at Binus University, Jakarta, Indonesia	NA	17/12/2018	20/12/2018	50	Nill
2018	AutomationEdge Plugin Session	NA	08/12/2018	12/12/2018	40	Nill
2018	Data Science and Big Data Analytics Training Program	NA	02/07/2018	11/07/2018	40	Nill
2018	Awareness of GSoC	NA	16/08/2018	16/08/2018	40	Nill
2018	College – Corporate partnership for Training Academic Projects	NA	03/08/2018	03/08/2018	30	Nill
2018	Image Processing Cloud Computing for IoT ap	NA	01/11/2018	02/11/2018	40	Nill

| 2018 | IIOT workshop | NA | 23/10/2018 | 23/10/2018 | 45 | Nill |
| 2018 | Summer Internship for Project Based Python Pro gramming | NA | 02/07/2018 | 18/07/2018 | 41 | Nill |

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Workshop on Amazon Web Services	4	26/10/2018	28/10/2018	3
"Introduction to GPU server and How to use it?"	3	10/01/2019	10/01/2019	1
FDP on Java JDBC	3	26/10/2018	28/10/2018	3
Python Course	1	30/04/2019	30/04/2019	1
Python core and advanced in NLP course	1	31/01/2019	31/01/2019	1
Machine Learning A to Z, Hands on on Python and R on Data Science course	1	04/04/2019	04/04/2019	1
Python, Bid data, deep learning course	1	30/04/2019	30/04/2019	1
Medical Image Computing: Machine learning methods and Advanced -MRI applications	1	23/07/2019	27/07/2019	5
AICTE Sponsored QIP short Term Inte rdisciplinary course : Machine	1	21/01/2019	25/01/2019	5

Learning and Applications				
FDP program on- 'Introduction to GPU Computing Using CUDA'	3	16/02/2019	17/02/2019	2

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
189	189	184	184

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
• Group Insurance • Kalyankari Yojana • Credit Co-operative Society • Provident Fund and Gratuity • Tie – up with nearby Hospital for immediate medical attention at concessional rates	• Group Insurance • Kalyankari Yojana • Credit Co-operative Society • Provident Fund and Gratuity • Tie – up with nearby Hospital for immediate medical attention at concessional rates	• Earn and Learn Scheme • Scholarships • Educational Loan assistance • Tie – up with nearby Hospital for immediate medical attention at concessional rates

6.4 – Financial Management and Resource Mobilization

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

nternal audit: Financial reports covering various elements such as cash bank book, salary statutory payments, journal ledger entries, accounts registers resolutions, university scholarships etc. are monthly verified by internal auditing team due corrections are taken. • External audit: A financial audit is carried out two times in a financial year by an external chartered accountant. The first audit is for the period from 1st April to 30th Sept. the second audit is for the period from 1st Oct. to 31st March. The audit consists of verification of cash book, bank book, reconciliations of fees bank accounts, journal entries, ledger, income tax returns etc. The observations shared by the auditor during the auditing process are immediately corrected prior to generation of final report. The financial audit statements of last five years i.e. form financial year 2012-2013 to 2016-2017 are available with the institute for reference purpose.

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
Mahindra Cie Automotive Ltd.	10000	2 Days W/S - Imp.Of Tech-LSCM

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6.4.3 – Total corpus fund generated

00

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	IIT Powai (Mumbai)	Yes	Dean Quality Assurance
Administrative	Yes	ISO 9001:2015	Yes	ISO 9001:2015

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

1. Semester long Internship offer 2. Guest Lecture on Technology 3. Summer Internship Offer 4. Engineering Design and Innovation Projects 5. Product Development Guidance 6. Career Guidance

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

1. Health check up program 2. Road safety guidance 3. Financial Planning guidance

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

Mooc development Novel froniter in teaching learning Use of flipped classroom Research and Innovation Training on robotics

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	MOOC Development	24/07/2018	01/12/2018	01/12/2018	135
2018	Teaching Learning to VOLP	24/07/2018	24/07/2018	24/07/2018	136
2018	Role of faculty as guardian	26/07/2018	26/07/2018	26/07/2018	131
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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
A digital Literacy	27/12/2018	03/01/2019	30	Nill

program was conducted in which they were taught to use smart phones and laptops. Women Counselling activities were conducted to set up small scale business models in the village.				
Economic Empowerment of Indian Weman	20/07/2018	20/07/2018	35	15
Self Defence for Girls	23/07/2018	23/07/2018	44	12
Vishakha Guidelines	01/12/2018	01/12/2018	35	18

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
The institute have 160 KW roof top solar installed. 60 of power requirement of the institute is met by the renewable energy sources.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Provision for lift	Yes	6
Ramp/Rails	Yes	4
Physical facilities	Yes	2
Rest Rooms	Yes	2

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadva ntages	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	2	20/08/2 018	12	Atmabodh	Computer Literacy for Senior Citize	219
2018	1	2	10/09/2 018	2	Blood Donation Campaign	Collect ion of blood bags from	64

2018	1	1	13/09/2018	10	Police Mitra	Helping Pune police to manage the crowd during 10 days of Ganpati	87
						students and teachers	

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Code of conduct	01/08/2018	Code of Conduct as a part of human values and professional ethics is communicated to faculty and staff. Mentoring and counselling of faculty is ensured.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Session on professional ethics	24/07/2018	24/07/2018	136
Session on values and ethics	25/07/2018	25/07/2018	130

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

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Plastic free campus

Paperless work

Power generation using Solar Panel

e-waste collection

Dustbins for waste collection

</div>

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. MOOC development - Setup for MOOC development is established in the institute. The training is provided to all faculty regarding MOOC development. The focus is given on pre-production, production, and post-production of the MOOC development. All faculty are encouraged to implement innovative ICT enabled teaching learning practices. Various hands on sessions are arranged for all faculty for effective implementation of innovative ICT enabled teaching learning practices. 2. Mentor mentee scheme- Mentoring activity is carried out for all students of the Institute. A mentor is assigned to the student at the time of admission. The same mentor faculty of the Department continues to counsel and guide the student throughout the years of graduation. The mentor faculty guides the student during the junior and senior years of Engineering and helps them carry out their Strength, Weakness, Opportunities and Challenges

(SWOC) analysis. The mentors also guide the students for research publications, patent filing etc. Mentors also guide about goal setting , Resume writing etc. The mentors guide the students about higher studies and Entrance examinations, other competitive examinations. The mentors also encourage students to participate in student activities matching with the abilities and aptitude of the student. The mentors also guide the students about soft skills and communication skill development. Mentors offer academic counselling and career counselling such as placements, higher studies and entrepreneurship support, incubation support etc. Mentors help students in personal matters.

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

http://www.vit.edu/images/NAAC/Best_Practices.pdf

7.3 – Institutional Distinctiveness

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

The institute has strengthened its academics and research culture by implementing innovative practices related to technical education and research. The faculty in the institution have implemented various innovative ICT enabled teaching-learning practices to enhance the process ensuring students learning. Various ICT tools such as Google Classroom, Flipped Classroom, Google Quiz, Kahoot, etc are used to enhance the quality of teaching-learning process and hence the technical education. Students are undergoing project based learning through course project assessment that enhances their technical skills in various domain of technology. For all round development of the students in technical subjects, 360 degree assessment is carried out. To enhance the research culture, students are involved in projects related to Engineering Design and Development. Through this concept students are successfully participating in solving various social, industrial problems by developing prototypes/projects/products. Faculty and students are jointly publishing various research and technical papers as well as filing and publishing patents.

Provide the weblink of the institution

http://www.vit.edu/images/NAAC/Performance_Institute.pdf

8.Future Plans of Actions for Next Academic Year

1. To ensure the awareness about innovation amongst the faculty and students of the Institution for technological enhancement. 2. To ensure Project centric learning and Project based learning by the students. 3. Effective implementation of innovative ICT enabled teaching learning practices. 4. Facilitation center regarding MOOCs development as a part of ICT enabled Teaching Learning Process for Faculty and Students. 5. All round development of students through 360 degree assessment, which ensures improvement in technical communication skill, technical writing skill, presentation skill of the students. 5. To become University