

Yearly Status Report - 2019-2020

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	Dr. Rajesh Jalnekar
Designation	Director
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02024202136
Mobile no.	9822418794
Registered Email	director@vit.edu
Alternate Email	rajesh.jalnekar@vit.edu
Address	666 Upper Indira Nagar, Bibwewadi, Pune 411048
City/Town	PUNE

State/UT	Maharashtra																								
Pincode	411048																								
2. Institutional Status																									
Autonomous Status (Provide date of Conformant of Autonomous Status)	01-Aug-2008																								
Type of Institution	Co-education																								
Location	Urban																								
Financial Status	Self financed																								
Name of the IQAC co-ordinator/Director	Dr. Vijay D Gaikwad																								
Phone no/Alternate Phone no.	02024202136																								
Mobile no.	8788923835																								
Registered Email	vijay.gaikwad@vit.edu																								
Alternate Email	dean.qa@vit.edu																								
3. Website Address																									
Web-link of the AQAR: (Previous Academic Year)	http://www.vit.edu/images/PDF/AQAR_2018_19.pdf																								
4. Whether Academic Calendar prepared during the year	Yes																								
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.vit.edu/images/News/AcademicCalendar2019-20.pdf																								
5. Accreditation Details																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accreditation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>A++</td> <td>3.53</td> <td>2018</td> <td>03-Nov-2018</td> <td>02-Nov-2023</td> </tr> <tr> <td>1</td> <td>A+</td> <td>3.29</td> <td>2013</td> <td>08-Jul-2013</td> <td>07-Jul-2018</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	2	A++	3.53	2018	03-Nov-2018	02-Nov-2023	1	A+	3.29	2013	08-Jul-2013	07-Jul-2018
Cycle	Grade	CGPA	Year of Accreditation	Validity																					
				Period From	Period To																				
2	A++	3.53	2018	03-Nov-2018	02-Nov-2023																				
1	A+	3.29	2013	08-Jul-2013	07-Jul-2018																				
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
Improving Consultancy and Sponsored Industrial Projects	24-Jan-2020 1	125
Excelling Beyond Prescribed Duty	07-Jan-2020 1	117
Writing Effective Research Proposals and Patent Filing	30-Jun-2020 1	113
Quality Practices: Need, Significance, Tools	23-Aug-2019 1	146

L::asset('/', 'public')/public/index.php/admin/get_file?file_path='.encrypt('Postacc/Special_Status/'. \$instdata->upload_special_status))}

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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
Vishwakarma Institute of Technology, Pune	Autonomy extension	UGC	2019 3650	0

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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View Link](#)

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 Uploaded File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No
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12. Significant contributions made by IQAC during the current year(maximum five bullets)

1. Flipped Classroom 2. Engineering Design and Innovation 3. Virtual Lab 4. Group Presentation and Group Discussion as an additional assessment component for improving Corporate skills for improving students Placements. 5. Vishwakarma Online Learning Platform for effective implementation of Teachinglearning 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
To Development of E content development center	Flipped Classroom
To Promote innovation culture among the faculty and students	Engineering Design and Innovation
To train the faculty to use the virtual labs	Virtual Lab are used by faculty during Teaching Learning process along with use of different simulation software , animations, PPTs and standard videos related to technical topics.
To improve communication skills and soft skills of the students	Group Presentation and Group Discussion as an additional assessment component for improving Corporate skills for improving students Placements.
Use of MOOC based TLP and various online learning platforms.	Vishwakarma Online Learning Platform for effective implementation of Teaching learning process.
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Board of Management	21-Dec-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
Date of Submission	27-Jan-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>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, the 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 paperwork and increase operational efficiency. • To streamline the numerous functions performed by the institute as a whole module currently operational as follows: • Registration • Admission • Fee Collection • I Card 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 recondition of departments • Course, institute feedback • User Management • OnLine Mid Semester Examination • Feedback on course contents, institute feedback • Dynamic Query analyze • Exam Marks Entry • Examiner appointment, marks the entry of theory TA, ESE, and LAB mark. • 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 the start of semester • Timetable generation and various reports</p>

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
No Data Entered/Not Applicable !!!			
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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
No Data Entered/Not Applicable !!!				
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Information Technology	31/07/2019
BTech	Computer	31/07/2019
BTech	Electronics and Telecommunication	31/07/2019
BTech	Industrial	31/07/2019
BTech	Production	31/07/2019
BTech	Mechanical	31/07/2019
BTech	Instrumentation and Control	31/07/2019
BTech	Chemical	31/07/2019
MCA	MCA	31/07/2019
Mtech	Computer	31/07/2019
Mtech	Electronics and Telecommunication	31/07/2019
Mtech	Industrial	31/07/2019
Mtech	Design Engg	31/07/2019
Mtech	Heat Power Engineering	31/07/2019
Mtech	Instrumentation and Control	31/07/2019
Mtech	Chemical	31/07/2019

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
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No Data Entered/Not Applicable !!!

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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
No Data Entered/Not Applicable !!!		
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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 anonymous online feedback about the faculty performance in teaching-learning since 2001. The nature of feedback has matured and evolved during the course of the 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 of a guardian, the role of 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 underperforming 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 a 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 have 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 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
No Data Entered/Not Applicable !!!				
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	4935	351	228	16	35

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
279	279	11	56	56	11
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)

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 mentoring 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 the abilities and aptitude of the student. The mentors also guide the students about soft skills and communication skill development. Mentors offer academic counseling and career counseling such as placements, higher studies and entrepreneurship support, incubation support, etc. Mentors help students with personal matters.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
5286	279	1:19

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
241	279	0	99	63

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
2020	Nil	Nil	Nil
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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
No Data Entered/Not Applicable !!!				
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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	5117	0.0977

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_19-20.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
No Data Entered/Not Applicable !!!					
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2.7 – Student Satisfaction Survey

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

http://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

Nil

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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

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

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
No Data Entered/Not Applicable !!!				
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.35

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
No Data Entered/Not Applicable !!!		
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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
No Data Entered/Not Applicable !!!				
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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	Vishwakarma Science and Technology Entrepreneurs	VIT	Boat Club Buddies	Software	15/12/2020

hip Park

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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
Industrial and Production Engineering2	2
Electronics and Telecommunication Engineering	1
Computer Engineering	1
Mechanical Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
No Data Entered/Not Applicable !!!			
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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
No Data Entered/Not Applicable !!!	
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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
Nil	Nil	Nil	2020	Nil	Nil	Nil
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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Nil	Nil	Nil	2020	Nil	Nil	Nil
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local

Attended/Seminars/Workshops	50	63	56	26
Presented papers	44	2	0	0
Resource persons	15	15	1	5

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
No Data Entered/Not Applicable !!!			
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				
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3.6 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!			
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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
No Data Entered/Not Applicable !!!			
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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
No Data Entered/Not Applicable !!!				
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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
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No Data Entered/Not Applicable !!!

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
No Data Entered/Not Applicable !!!					
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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
No Data Entered/Not Applicable !!!			
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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
3485.25	3456.87

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	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 partially)	Version	Year of automation
SLIM-21EX (Software for Library Information Management)	Partially	Version : SLIM 21 EX (Version 3.7.0) with SQL Serv	2003

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	65288	20761000	123	27192	65411
Reference Books	2937	8545000	0	0	2937	8545000
e-Books	10950	14000	0	0	10950	14000
e-Journals	4339	7400	0	0	4339	7400
Digital Database	132	50000	0	0	132	50000
CD & Video	1657	266000	0	0	1657	266000
Others(s pecify)	523	64000	0	0	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
No Data Entered/Not Applicable !!!			
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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	1503	33	2	2	1	1	10	325	0
Added	0	0	0	0	0	0	0	0	0
Total	1503	33	2	2	1	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/
Vishwakarma Online Learning Platform	https://classroom.volp.in/

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary

component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
278.81	278.81	980.76	980.76

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 classrooms, laboratories, sports facilities, hostel facilities, equipment, library, IT infrastructure, facilities for effective ambience for curricular, extracurricular 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 is planned as per their requirements. These computers are used on sharing principles to students of all disciplines by all departments during the examination period. A couple of laboratories are also used on a 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. The workshop section has a special maintenance plan for the 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, 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	Institute Scholarship	10	900000
Financial Support from Other Sources			
a) National	VIT ALUMINA	18	2700000
b) International	NA	0	0

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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
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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 passed in the comp. exam	Number of students placed
2020	Nil	Nil	Nil	Nil	Nil
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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		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
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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	Department graduated from	Name of institution joined	Name of programme admitted to
2020	Nil	Nil	Nil	Nil	Nil
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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
CAT	20
Civil Services	4
GATE	42
GMAT	1
GRE	54
SLET	1
TOFEL	25
No file uploaded.	

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

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		

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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	American Football Nationals	National	1	Nil	Nil	Aum Dhamale

[View File](#)

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

Student Council of VIT is divided into two committees, Event Planning, and Execution Committee and Social Welfare and Development Committee. Event Planning And Execution Committee or EPEC is a crew in VIT Pune which manages the planning and execution of every event held in the college. It is a part of the prestigious student committee of VIT, Pune. All the events that take place every year such as Vishwakarakandak, Mèlange, Vishwotsav including freshers party are overseen by EPEC. College festivals include Vishwakarakandak which is an intra college festival whereas Mèlange is an inter-college festival. In Vishwotsav, the entire college celebrates various tustles depending upon the theme. While planning any of the events students interests are taken into the consideration and hence there is a huge engagement of students when it comes to fests. EPEC adages of doing each and everything related to planning and execution very efficiently. Anyone who feels can evolve their personality can join this committee in which theyll get the motivation to excellence their work towards their goals. Social Welfare and Development Committee of Vishwakarma Institute of Technology, Pune is a part of the student council working for the betterment of society. The college students, operate this committee and aim to work towards sustainable development while inculcating social values among the college students. This is done through the various events that are conducted. The flagship events include NSS Camp, Aatmabodh, Blood-D Camp. In NSS Camp, a group of our college students lives in a village for a week as they work for the development of the village in any small or big way possible. They spread awareness about various social and environmental issues while bonding with the villagers and learning something from them too. Aatmabodh is a digital literacy program where college students teach women and elderly people the use of computers and mobile phones to bridge the gap between technology and them. It mainly focuses on those who are enthusiastic to learn but may have no means to do so. Committee holds a blood donation camp, Blood-D, twice a year where blood banks from AFMC and Sasoon Hospital come. Some of the other events include Bus Swacchata, a bus cleaning activity, and Swachha Pune, where students clean the monuments and some public areas around Pune. The committee has activities to literate, liberate, and support the underprivileged children, elderly people from old age homes, children from orphanages, and the specially-abled. Students carry out night patrolling to help the police in reducing crimes and accidents. Overall, the committee makes sure the students serve society and make it better.

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 continuing the 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 wholehearted 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 a 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 4080 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 the 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 returning users to the portal and about 1500 unique visitors every month. Grand Alumni Meet is organized by the alumni association every year and alumni who have made prominent contributions in the field of Academics Research, Corporate Career, Entrepreneurship, and Social Development are honored with the 'Distinguished Alumni' award.

5.4.2 – No. of registered Alumni:

4080

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

2700000

5.4.4 – Meetings/activities organized by Alumni Association :

18 Alumni Meeting in one year

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 the head of the department as assistant head academics, assistant head research add assistant head administration for daily routine activities of academics, research, and administration. Also, even the Dean position have assistants assigned so as to increase decentralization approach in the work culture 2. Participative management: VIT has a great advantage of decentralization and

along with it comes the responsibility of portfolio managed by an individual. This ensures participative management where voices of the team are taken into consideration while managing the institute 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
<p style="text-align: center;">Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>Central library of our Institute has purchased various modules along with SLIM-21 library software for improvement in library services to their users</p> <p>1) Circulation Module :- Use :- To manage the all transactions of Issue and Return of library material (Books, Journals, CD'S etc.) in software. Hence all the data regarding Issue and return is available immediately</p> <p>2) Cataloguing Module :- Make all necessary entries of books purchased in library. All the information regarding library books is available immediately All the data regarding books available immediately (All the data regarding how many books purchased during the financial year, How many books purchased for each department during the financial year etc. in the central library.)</p> <p>3) Serial Control Module :- Make all necessary entries of Hard copies journals purchased by library (All the data regarding how many Journals purchased during the financial year, How many journals purchased for each department during the financial year etc. in the central library.)</p> <p>4) Acquisition Module :- Make all necessary data entries regarding procurement of library material (Necessary Purchase Order is generated through this module.)</p> <p>5) WEB-OPAC :- All the information regarding library material is available to all the users</p> <p>6) Dcall Module:- To manage the Institutional Repository of born digital material as well as digitized material such as Ph.D. M.E. B.E. Thesis and Dissertation/Project Reports in Electronic Format, Question Papers, Papers, books published by V.I.T. Staff, Syllabus etc. with the help of SLIM 21 Digital Library Management</p> <p>Various physical, academic support facilities mainly include classrooms,</p>

laboratories, sports facilities, hostel facilities, equipment, library, IT infrastructure, facilities for effective ambiance for curricular, extracurricular 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 is planned as per their requirements. These computers are used on sharing principles to students of all disciplines by all departments during the examination period. A couple of laboratories are also used on a 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. The workshop section has a special maintenance plan for the 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 of 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.

Industry Interaction / Collaboration

Our institute has a unique semester long internship program in the final year of engineering where students can intern in a company in either semester of the final year. Close to 95 students choose this option and intern with a company. (The rest work on in house research projects). This enables a wide range of interaction with industry and minimises the gap between industry and academia and makes our students industry ready. Several students receive PPO through such semester-long internships. And the rest are able to crack high paying jobs with companies

that come for placements in our campus.

Curriculum Development

Interaction with all stakeholders takes place. Board of Management, Academic Board industry advisory board gives society needs. Accordingly curricula is developed by the academic experts in the board of studies. Appropriate assessment methodologies are also used.

Research and Development

The faculty and students of our Institute is active in evolving the research culture with focus on Fundamental and Applied Research. Through, Research Forum, RI activities are promoted, encouraged and appraised. The Cell of the focuses on the research outputs such as publications, patents and startups based on project work. Collaborative and experiential learning is achieved through Project based and project centric learning wherein students develop solutions for complex engineering problems. 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.

Examination and Evaluation

- Examinations are conducted in offline mode , due to pandemic all examinations are conducted online after march 2020. The examinations comprises many assessment components like Mid semester examination (MSE), End semester Examination (ESE), seminar, Group discussion, lab continuous assessment , course project ,Comprehensive viva voce and home assignment for each and every subject.
- Evaluation also includes components that evaluate student's performance in experiential learning activities such as internships, project and seminars. • External examiners in various stages of examination process. • Semester results are declared within 10 days of examination. . • Technology is effectively used in the examination management process. • Question paper and question bank Audits facilitated ease of mapping of course outcomes to program outcomes and ensuring quality of question papers.

Teaching and Learning

Teaching learning is carried out using various methodologies, such as direct classroom teaching, web platform

	based teaching etc. Assessments that challenge higher levels of Blooms Taxonomy are designed. MCQ assessment, conventional answers, group discussions, presentations, home assignments, laboratory work, projects are designed
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. Along with it various interactive sessions are conducted to help faculty learn from each other with enthusiasm.
Admission of Students	Showcasing VI Institute activities through Newspapers, 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-governance area	Details
Finance and Accounts	<p>1) Fees collection: Fees are collected online. We have provided an online platform to the students so that they can pay the fees online using net banking. In case any student is not having a net banking facility, NEFT/RTGS facility is also available.</p> <p>2) Online payments : a. To support a cashless system, we make party payments using RTGS/NEFT option. b. Statutory dues like Provident fund, Profession Tax, Income tax are paid online c. Refund of fees, in any case, are made online to students d. Salary/honorarium are paid through NEFT/RTGS 3) Online returns of Income-tax, Professional Tax are filed.</p> <p>4) Salary slips/ Form 16 are issued online through email. 5) Bookkeeping: Tally software is used to make daily accounting entries, trial balance Balance sheet, etc. This helps in accuracy and quick reporting.</p> <p>6) In the pandemic of COVID, most of the staff had to work from home. So we have worked on a tally cloud server.</p> <p>7) Investment declaration and proof submission for the purpose of Income-tax calculation is made available online to all the staff.</p>

Examination	<p>Institute has Examination ERP system for following examination processes</p> <ul style="list-style-type: none"> • Exam setting at beginning of semester o Assessment scheme ,grading scheme and CO to assessment mapping. o Paper setters/examiners are appointed for entire semester • Pre Exam work o Exam schedule preparation, exam seating arrangement, room details, junior supervisor allocation etc. o For online exam question banks are created at the beginning of semester. • Pre Exam report o Student attendance for exam, junior supervisor reports etc are generated. o Examination schedule. • Online exam conduction: o MCQ type of exams are conducted online using ERP software. • Result processing o Marks entry,grade computation and result computation through software. • Result declaration o SPI CPI is calculated and result is declared through, mail, sms, student portal. • Mark-sheet printing • Result analysis
Planning and Development	<p>VIERP college enterprise resource planning system ensures the planning and development of various activities. This helps in enhancing productivity, efficiency, and the achievement of institutional objectives. It improves operational efficiency and Information availability. It is used in various departments like Exam, Administration, and accounts to assist in planning and development.</p>
Administration	<p>The VIERP is used as an e-governance tool for</p> <ol style="list-style-type: none"> 1. Report generation 2. leave management 3 faculty and staff database. 4. Self-appraisal, 5. Recruitment. <p>This helps in enhancing productivity, efficiency, and the achievement of institutional objectives.</p>
Student Admission and Support	<ol style="list-style-type: none"> 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

2020	Nil	Nil	Nil	Nil
View File				

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

Year	Title of the professional 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)
2020	Nil	Nil	Nil	Nil	Nil	Nil
View File						

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
279	279	184	184

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Group Insurance • Kalyankari Yojana • Credit Co-operative Society • Provident Fund and Gratuity • Tie - up with nearby Hospital for immediate medical attention at concessional rates 	<ul style="list-style-type: none"> • Group Insurance • Kalyankari Yojana • Credit Co-operative Society • Provident Fund and Gratuity • Tie - up with nearby Hospital for immediate medical attention at concessional rates 	<ul style="list-style-type: none"> • 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)

• Internal 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 the 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 the generation of the final report.

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
No Data Entered/Not Applicable !!!		
View File		

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 QA
Administrative	Yes	ISO 9001: 2015	Yes	ISO 9001: 2015

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

Branch Content delivery and assessment scheme Career Opportunities for Students
 Online Teaching-Learning No of meetings Computer 1 1 1 3 Chemical 1 1 1 3
 Electronics 1 1 1 3 ENTC 1 1 1 3 Instrutation 1 1 1 3 Industrial 1 1 1 3 IT 1 1
 1 3 Mechanical 1 1 1 3 Production 1 1 1 3 Total 27

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

No of support staff Dates Training on Attitude By Dr. M. M. Upkare 6 24-01-2020
 Training on Behavior By Dr. M. M. Upkare 6 24-01-2020 Microsoft Office advanced
 Training Program By Dr. S. R. Satpute 10 17-04-2020 Health Check Up Personal
 Care Codon labs, Pune 10 20-01-2020

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

1. Use of Flipped Classroom 2. Engineering Design and Innovation course for all
 branches for FY, SY, and TY students. 3. Use of Videoconferencing tools for the
 online teaching-learning process. 4.Product Innovation Lab

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
2020	Writing Effective Research Proposals	30/06/2020	30/06/2020	30/06/2020	113

	and disadvantages	contribute to local community					
2020	Nil	Nil	Nil	Nil	Nil	Nil	Nil
View File							

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Code of conduct	01/08/2019	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
Ethics of education	08/11/2019	08/11/2019	290
excelling beyond prescribed duty	07/01/2020	07/01/2020	290
commitment to professionalism	08/10/2020	08/10/2020	290
No file uploaded.			

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

Plastic-free campus Paperless work Power generation using Solar Panel e-waste collection Dustbins for waste collection
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7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Name of Best Practice 1: PROJECT-BASED AND PROJECT CENTRIC LEARNING: In order to survive in today's competitive world and achieve high employability skills. We want to make our students future-ready rather than industry-ready. Future-ready means they are competent enough to take on challenges and find the best solutions to complex problems. Solving highly complex problems requires that students have both 21st century skills (Critical thinking, Problem-solving, research aptitude, cognitive thinking, emotional intelligence, time management, information synthesizing, strong communication skills, both for interpersonal and presentation needs, utilizing modern technology tools). The combination of these skills will be required to take challenges and find solutions for complex problems. In order to imbibe these skills in our students, we are using project-based and project-centric learning methodology for the last 7-8 years. By bringing real-life context and technology to the curriculum through a PBL approach, students are encouraged to become independent critical thinkers and lifelong learners. Here the role of Teachers is facilitator and motivator who exchange ideas and communicate with stakeholders, all the while breaking down invisible barriers such as isolation of the classroom. PBL and PCL is not just another way of learning its a way of working together. The major benefits that we are receiving from these methodologies are improvement in academic content knowledge and foster deeper learning. It helps students develop 21st-century skills like critical thinking, problem-solving, communication, collaboration, creativity, innovation, etc, and build student agency when it comes to their

own academic, personal, and social development. This methodology teaches students how to approach new challenges with confidence, resilience, and a growth mindset. Research across these disciplines have refined PBL for meeting specific practices associated with those disciplines. In addition, discussions that bring together PBL approaches across disciplines is beginning. Project-based learning structures science learning environments around questions that engage students in collaborative sense-making of phenomena. Because PBL focuses on students and their interests, it tailors to the intellectual resources and experiences of diverse students and is responsive to culture, race, SES, and gender. Institute has received the award for this best practice from IMC RBNQA in the MQH competition in June 2020 Name of Best Practice 2: ICT based Content Development All the faculty of the institute have developed ICT based contents for teaching-learning and evaluation. Training is the key to any domain, especially when it comes to the use of technology. Thus, all the faculty of the institute were trained to develop ICT-based content for teaching-learning and evaluation. Tree structure was used. Senior faculty with a proven track record in innovation and creativity were identified to lead this initiation and were trained by the top leadership for a period of more than one year through sessions and hands-on discussions. Then clusters were formed with these faculty leading each cluster of around 15 faculty. In this way, the entire Faculty was trained for another year through mentoring, counseling, teaching, auditing, and validation process. Summer break of the faculty was used for this activity. Various modes of ICT-based content development are used such as MOOCs Development, Animations, PowerPoint Presentations (PPTs), MS Office Tools, Opensource platforms for content development, Google Classrooms, Kahoot, Google Forms, Webpage, Google Sheets, Microsoft Team and Software Studios.

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. The institute has also innovated in assessment system in order to evaluate students for various types of skills and learning levels as per blooms taxonomy. Apart from end semester exams students are assessed on Group Discussion skills, Presentations skills, hands on skills acquired in the course (course projects) and comprehensive Viva and lab work. The home assignments are also unique as in students are given the choice to carry out surveys, write technical blogs and carry of design studies. For all round development of the students in technical subjects, this 360 degree assessment helps bring out the best in the students. This assessment scheme has been very fruitful especially in the Covid lockdown scenario as its gives opportunity to assessors to evaluate various abilities of the students even over online modes. Students are undergoing project based learning through course project assessment that enhances their technical skills in various domain of technology. To enhance the research culture, students are involved in semester long projects every semester 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

[https://www.vit.edu/images/PDF/Distinctiveness_performance_of_the_institution.p
df](https://www.vit.edu/images/PDF/Distinctiveness_performance_of_the_institution.pdf)

8.Future Plans of Actions for Next Academic Year

1. To arrange faculty development sessions based on Identified Honour /Minor specializations for detailed orientation to Faculty in topics such as IOT, Cyber Security, AI ML, Data Sciences, AR-VR, Robotics, 3Dprinting, Electric Vehicles, Energy. 2. Plan sessions in Key four domains identified as Academics, Research, and Administration and Quality assurance. 3. Software development projects for FY, SY and TY of all branches. 4. 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. Subjects on latest trends and technology for Second-year students