



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE
Name of the head of the Institution	VEDALA RAMA SASTRY
Designation	Vice Chancellor
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	02140-275101
Mobile no.	8329737039
Registered Email	registrar@dbatu.ac.in
Alternate Email	vc@dbatu.ac.in
Address	Dr. Babasaheb Ambedkar Technological University, Vidyavihar, At/PO: Lonere, Dist: Raigad
City/Town	Mangaon
State/UT	Maharashtra

Pincode	402103																		
2. Institutional Status																			
University	State																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	state																		
Name of the IQAC co-ordinator/Director	Dr. L. N. Singh																		
Phone no/Alternate Phone no.	02140275142																		
Mobile no.	8087369025																		
Registered Email	lnsingh@dbatu.ac.in																		
Alternate Email	registrar@dbatu.ac.in																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	https://dbatu.ac.in/aqar-2018-19/																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://dbatu.ac.in/academics-calendar/																		
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>1</td> <td>B</td> <td>2.35</td> <td>2015</td> <td>03-Mar-2015</td> <td>02-Mar-2020</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accreditation	Validity		Period From	Period To	1	B	2.35	2015	03-Mar-2015	02-Mar-2020
Cycle	Grade	CGPA	Year of Accreditation	Validity															
				Period From	Period To														
1	B	2.35	2015	03-Mar-2015	02-Mar-2020														
6. Date of Establishment of IQAC	21-Oct-2011																		
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															

No Data Entered/Not Applicable!!!

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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
NIL	NIL	NIL	2020 00	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 :

0

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

No

Upload the minutes of meeting and action taken report

No Files Uploaded !!!

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)

Syllabus Revision, Implementing COVID19 protocol in the University campus after lockdown, Using hostel as a quarantine center during COVID19 lockdown, the university offered our students hostel to state govt as a COVID center, generation of contents for several courses under eContents generation mission (about 300 teachers).

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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	Achievements/Outcomes
Development of eContents for the benefit of students	Sensitization of faculty
Formation of DBATU Alumni Association	Registered association of Alumni

Promoting Teachers to Attend STTP/Conferences/Workshops	Ten faculty members benefitted				
No Files Uploaded !!!					
14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1" style="width: 100%;"> <tr> <td style="width: 50%;">Name of Statutory Body</td> <td style="width: 50%;">Meeting Date</td> </tr> <tr> <td>EXECUTIVE COUNCIL</td> <td>24-Mar-2022</td> </tr> </table>		Name of Statutory Body	Meeting Date	EXECUTIVE COUNCIL	24-Mar-2022
Name of Statutory Body	Meeting Date				
EXECUTIVE COUNCIL	24-Mar-2022				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2020				
Date of Submission	12-Mar-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)	UIMS: University Information Management System Only single module was operational. It was used for student admission, Exam form filling and result declaration.				

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	11246	Information Technology	26/07/2019
BTech	11372	Electronics and Telecommunication Engineering	26/07/2019
BTech	11507	Chemical Engineering	26/07/2019
BTech	11245	Computer Engineering	26/07/2019
BTech	11527	Petrochemical Engineering	26/07/2019

BTech	11612	Mechanical Engineering	26/07/2019
BTech	11191	Civil Engineering	26/07/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Electronics and Telecommunication Engineering	30/04/1995	BTHM104/ BTHM204 Communication Skills	02/07/2018
BTech	Information Technology	23/10/2000	BTITF310 Field Training/ Internship/Industrial Training Evaluation-I	01/08/2018
BTech	Electrical Engineering	30/04/1995	Basic human rights (BTHM3401)	26/09/2018
BTech	Computer Engineering	30/04/1995	Python Programming (BTCOL306)	08/07/2019
BTech	Mechanical Engineering	14/01/1993	BTID405 Product Design Engineering - I	03/05/2018
BTech	Civil Engineering	30/07/2008	BTCVE803B Structural Audit	18/01/2020
BTech	Petrochemical Engineering	19/04/1989	BTES205/ BTES105L Workshop Practices	01/01/2019
BTech	Chemical Engineering	14/01/1993	BTID405 Product Design Engineering	25/09/2018
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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	NIL	Nil
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the University level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Electronics and Telecommunication	15/07/2010

	Engineering	
BTech	Mechanical Engineering	15/07/2010
BTech	Electrical Engineering	15/07/2010
BTech	Civil Engineering	15/07/2010
BTech	Chemical Engineering	15/07/2010
BTech	Petrochemical Engineering	15/07/2010
BTech	Information Technology	15/07/2010
BTech	Computer Engineering	16/07/2007

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
BTBM3401 Basic Human Rights (Audit Course) (All programs)	17/07/2017	596
BTCVE404A Numerical Methods in Engineering	08/07/2019	76
BTITE703C Electronic Payment System	13/01/2020	29
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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	Electronics and Telecommunication Engineering	260
BTech	Information Technology	214
BTech	Computer Engineering	225
BTech	Mechanical Engineering	292
BTech	Electrical Engineering	265
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
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
Students are requested to fill up online feedback using the google form. The

points are calculated according to the grades given by the students in various criteria. The grades points are given as 5, 4, 3, 2, and 1. The Average and percentage of various criteria are calculated. The strength and weaknesses mentioned by the students are summarized. Feedback is received on various aspects of the University including location, office, canteen, laboratory, library, administration, and academics. Student feedback related to office, canteen, laboratory, and libraries utilized in upgrading these facilities. Feedback obtained on the syllabus by teachers and students is utilized with modifications in the Course contents, the addition of new subjects with current industry requirements in syllabus revision. Suggestions from parents are implemented such as to take efforts in increasing campus placement, upgrading infrastructure, and taking regular parent meetings in the Institute. Feedback is also collected from the alumnus by some departments of the University. Suggestions and comments given by them are also taken into account for future development. The different areas where improvements are required are discussed in respective committees/departments. Strengths of the University departments are also taken into consideration for further up-gradation.

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	ELECTRONICS & TELE-COMMUNICATION ENGINEERING	108	62	62
BTech	ELECTRICAL ENGINEERING	54	44	44
BTech	MECHANICAL ENGINEERING	54	55	55
BTech	PETROCHEMICAL ENGINEERING	54	38	38
BTech	CHEMICAL ENGINEERING	54	57	57

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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	2509	42	116	0	39

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-	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
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	Resources)				
116	116	10	10	8	10
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)

The University has Strong Academic mentoring scheme in place. Each faculty acts as a mentor. Each faculty member in the University was assigned with mentorship of the batch of students. The batch size differs department wise hence number of students in each batch is different depending upon the faculty strength of the department. Since the college is located in the Kokan area, it is a fact that almost all the students of the college come from economically and socially backward sections of society and are mostly first generation learner. In the beginning, most of them are hesitant about articulating their problems, opinions and requirements. The teachers of the University truly fulfil their roles as mentors by encouraging students with proper academic and personal support. With a view to provide a friendly academic environment, the teachers attribute immense importance to class room teaching with an exact integration of ICT and traditional classroom teaching. The students are encouraged to participate in cultural activities, Sports, Games, NSS and NCC which helped many students to overcome his/her initial hesitation and transform themselves as a much more confident individual. The students interact with the faculty mentor for their academic as well as personal problems like medical issues etc. The Faculty mentor often monitors the attendance of the students and if any student found absent for longer duration, he enquires regarding the same and provides the solution. The progress and observations are conveyed through telephonic conversion, SMS, email and person the students regularly in order to resolve issues if any.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2551	116	1 : 22

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
95	52	43	0	40

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	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
BTech	11191	SEM4	20/06/2020	28/07/2020
BTech	11191	SEM3	30/11/2019	10/02/2020
BTech	11191	SEM2	20/06/2020	29/07/2020
BTech	11191	SEM1	10/12/2019	18/01/2020

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
0	2551	0

2.6 – Student Performance and Learning Outcomes

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

<https://dbatu.ac.in/academic-year-2021-2022/>

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
11191	BTech	Civil Engineering	66	66	100
11245	BTech	Computer Engineering	67	67	100
11246	BTech	Information Technology	62	62	100
11293	BTech	Electrical Engineering	63	63	100
11372	BTech	Electronics and Telecommunication Engineering	123	123	100

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2.7 – Student Satisfaction Survey

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

<https://dbatu.ac.in/student-satisfaction-survey-for-ay-2019-2020/>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – 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
National	Dr. Akarte H A	QIP	14/07/2017	AICTE
National	Dr. A. R. Babhulgaonkar	QIP	18/07/2016	AICTE

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3.1.2 – Number of JRFs, SRFs, Post Doctoral Fellows, Research Associates and other fellows in the Institution enrolled during the year

Name of Research fellowship	Duration of the fellowship	Funding Agency
Research Fellowship	730	TEQIP-III
Research Fellowship	1095	Dr. Babasaheb Ambedkar Technological University, Lonere
Industry Fellows	913	Biotronics Equipment Pvt., Ltd. Mumbai
Industry Fellows	913	ATA Freight Pune
Research Fellowship	730	Dr. Babasaheb Ambedkar Technological University, Lonere
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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
Projects sponsored by the University	365	Dr. BATU University	3.2	3.2
Industry sponsored Projects	1095	Biotronics Pvt. Ltd., Mumbai	22.8	7.2
Industry sponsored Projects	730	ATA Freight Pune	24.97	7.2
Minor Projects	730	TEQIP-III	3.6	3.6
Minor Projects	730	AICTE (PRERANA)	9.5	9.5
Major Projects	1095	MHRD (PMMNMTT)	746	256
Minor Projects	365	TEQIP-III	3	3
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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
Two-day workshop for industry professionals on waste water management	Petrochemical Engg.	17/01/2020
Smart India Hackathon	Electronics and Telecommunication Engg.	24/01/2020
Business plan i2E	Electronics and	20/11/2019

competition	Telecommunication Engg.	
Workshop on Embedded System	Electronics and Telecommunication Engg.	29/07/2019
Talk on Research and Innovation	Electronics and Telecommunication Engg.	17/08/2019
Workshop on Industry Concepts and Internship Programs by Bhuvnesh Kulkarni	Electronics and Telecommunication Engg.	22/08/2019
Workshop on Innovative product Development	Electronics and Telecommunication Engg.	23/01/2020
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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
Avishkar 2020 (Third Prize) (Petro)	Mr. Raviraj Krishna Mahadik	Dr. Babasaheb Ambedkar Technological University, Lonere	03/01/2020	Student
Innovative and Safe Motor Bike Helmet - (Mech)	Ashutosh Biradar, Vivek Mohite, Deepak Sawant	Dr. Babasaheb Ambedkar Technological University, Lonere	06/03/2019	Student
Student Bicycle Sharing System	Pranali Jha, Sourabh Singh, Pankaj Jagtap	Dr. Babasaheb Ambedkar Technological University, Lonere	06/03/2019	Student
Avishkar 2020 (Second Prize) (Petro)	Mr. Harshawardhan Sunil Pradhan	Dr. Babasaheb Ambedkar Technological University, Lonere	03/01/2020	Student
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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
1	DBATU Forum of Innovation, Incubation and Enterprise	Maharashtra State Innovation Society, Mumbai	Innovative and Safe Motor Bike Helmet (Mech)	Scalable	06/03/2019
1	DBATU Forum of Innovation, Incubation and Enterprise	Maharashtra State Innovation Society, Mumbai	Home Automation Devices for Indian Homes (Extc)	Life Style	06/03/2019

1	DBATU Forum of Innovation, Incubation and Enterprise	Maharashtra State Innovation Society, Mumbai	Collapsible, adjustable and convertible safety Helmet	Small Business	06/03/2019
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Electronics and Telecommunication Engineering	2
Mathematics	1
Electrical Engineering	3
Mechanical Engineering	1
Chemistry	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	Chemical Engg.	2	2.5
International	Information Technology	3	1.2
International	Mechanical Engineering	17	2.4
International	Electronics and Telecommunication Engineering	4	1.6
International	Civil Engineering	1	6.9

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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
Chemical Engineering	1
Information Technology	9
Computer Engineering	8
Petrochemical Engineering	1
Mechanical Engineering	16
Electronics and Telecommunication Engineering	22
Electrical Engineering	7

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3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
Indian Patent on: A Device for cleaning visor of safety helmets (Mech)	Filed	202021005846	20/03/2020
Indian Patent on: Alcoholism Level Detection Method for Rehabilitation centre using Functional Connectivity in Resting (Extc)	Published	E-12/1385/2019/	22/10/2019
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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
Purification of tetrahydrofuran from its aqueous azeotrope by extractive distillation: Validation of model and simulation	Onkar A Deorukhkar , Amit Katariya, Yogesh S Mahajan	Separation Science and Technology	2019	Null	Dr. BATU, LONERE, Praj Matrix Inovation centre, pune	1
Purification of tetrahydrofuran from aqueous azeotropic solution: continuous adsorption operation using molecular sieves	Pooja P Sanap, Akash V Shetty, Yogesh S Mahajan	Chemical Engineering Communications	2020	Null	Dr. BATU, LONERE	1
The effect of residual stresses, grain	Thorat Shrikant, and Mudigonda Sadaiah	Journal of Alloys and Compounds	2019	Null	Dr. BATU, LONERE	10

size,
grain orientation,
and
hardness
on the
surface
quality of
Co-Cr L605
alloy in P
hotochemical
Machining

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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
Purification of tetrahydrofuran from its aqueous azeotrope by extractive distillation: Validation of model and simulation	Onkar A Deorukhkar , Amit Katariya, Yogesh S Mahajan	Separation Science and Technology	2019	11	1	Dr. BATU, LONERE, Praj Matrix Innovation centre, Pune
Purification of tetrahydrofuran from aqueous azeotropic solution: continuous adsorption operation using molecular sieves)	Pooja P Sanap, Akash V Shetty, Yogesh S Mahajan	Chemical Engineering Communications	2020	11	1	Dr. BATU, LONERE
The effect of residual stresses, grain size, grain orientation,	Thorat Shrikant, and Mudigonda Sadaiah	Journal of Alloys and Compounds	2019	11	10	Dr. BATU, LONERE

and hardness on the surface quality of Co-Cr L605 alloy in Photochemical Machining						
Experimental Investigation on Laser Directed Energy Deposition of Functionally Graded Layers of Ni-Cr-B-Si and SS316L	S M Banait, Jinoop AN, H Kumar, Raju Pawade,	Journal of Optics and Laser Technology	2020	16	26	Dr. BATU, LONERE
Analysis and modeling of surface characteristics in electrophoretic deposition-assisted internal polishing of AISI 304 steel	Nikhil V Khatekar, Raju S Pawade	The International Journal of Advanced Manufacturing Technology	2019	16	2	Dr. BATU, LONERE
Machinability Assessment in High Speed Turning of High Strength Temperature Resistant Superalloys (World Scientific)	Raju Pawade, Avinash Khadtare, Dhanashree Dhumal and Vishal Wankhede	Journal of Advanced Manufacturing Systems	2019	16	0	Dr. BATU, LONERE
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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	39	60	16	17

Presented papers	39	5	2	0
Resource persons	26	14	7	0
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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)
Civil Engg Dept	Nil	Nil	5957432
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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
Dr. P. V. Vijaybabu (Chem) Dr. V. S. Sathe (Chem) Dr. Y. S. Mahajan (Chem) Dr. A. R. Chavan (Chem) Prof. S. P. Dhongade (Chem) Dr. Neeraj Agarwal (Mech)	Training on Unit Operation	Privi Organics Limited, Mahad	700000	25
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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
Blood Donation	NSS, NCC	3	43
Awareness of organ donation	NSS	2	27
National Yoga Day	NCC	110	300
Annual NCC Camp	NCC	8	50
Tree plantation camp	NSS	170	2335
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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
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National Research Paper Presentation	First consolation Prize	College of Engineering Technology, Akola	2
JAMBOREE 7 presents Problem Solver	2nd Runner up	Saraswathi College of Engineering, Kharagar	2
JAMBOREE 7 Technical Paper Presentation	1st Runner up	Saraswathi College of Engineering, Kharagar	2
JAMBOREE 7 Technical Paper Presentation	2nd Runner up	Saraswathi College of Engineering, Kharagar	2
JAMBOREE 7 Mad Ads	2nd Runner up	Saraswathi College of Engineering, Kharagar	3

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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
Swachh Pakhwada	NCC Unit	Hand wah day (Within institutions - Public Outreach)	1	28
Swachh Pakhwada	NCC Unit	Plogging (Jogging and Picking of Litter) in University Campus	1	45
Swachh Pakhwada	NCC Unit	Shramdaan: Cleaning of historical fort was done by the senior cadets with the help of people living on the fort	1	50
Swachh Pakhwada	NCC Unit	Nukad Natak: Dry and wet waste segregation	1	100
Gender Issue	DBATU	Talk on Gender Equality	1	55
Aids	DBATU	Talk on Aids	1	35

Awareness		Awareness		
Swachh Pakhwada	NCC Unit	Cleaning of Public Park	1	25
Swachh Pakhwada	NCC Unit	Talk on Plastic waste management	1	55
Swachh Pakhwada	NCC Unit	Painting and Essay competitions conducted on Swachhata	1	70
Swachh Pakhwada	NCC Unit	Rally on open defecation free was carried out in Manglur village with various slogans to spread awareness	1	25
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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
Geo Spatial Data Analysis	Dr. A. W. Kiweleker, Dr. V. B. Nikam, VJTI Mumbai	VJTI Mumbai	730
NLP techniques for logistic industry	Mr. Rachit Garg	ATA Frieght	1095
Predictive analysis for logistic industry	Mr. Prasad Mahajan	ATA Frieght	1095
Recovery of glycerol from biodiesel production to enhance socio economic feasibility leading to reduction in pollution and public health assurance	Dr. Umesh Shivajirao Dr.Y.S.Mahajan, DBATU , Lonere	TEQIP III	913
Performance of Evaluation of Integrated Onsite Grey Water Treatment System	Dr.Vinayak Patki, Dr. P. V. BabuPinjala	TEQIP III	1095
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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
Project Work	Valmont Structures, A/P Loni Devkar, Indapur MIDC, Pune	Dr. M S Tandale, Mr. Anand Chapekar	01/02/2020	31/05/2020	4
Sharing of Research Facility	Software Architecture Assessment and Review for ATA Freight	Mr. Akshay Ghodake, ATA Freight, Pune Mr. Swapnil Bhate, ATA Freight, Pune Dr. Arvind Kiwelekar, DBATU Lonere	01/01/2018	31/12/2021	2
Sharing of Research Facility	Biotronics Private Ltd., Mumbai for Corporate Social Responsibility(CSR)	Dr. S. L. Nalbalwar, DBATU Lonere Dr. A. B. Nandgaonkar, DBATU Lonere Ms. Rupali Bharsakke, BEPL, Mumbai Ms. Himani Khadpe, BEPL, Mumbai	01/08/2018	31/07/2021	2
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3.7.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Veermata Jijabai Technical Institute	28/11/2017	To jointly establish the Faculty Development Center under PanditMadan Mohan Malawiya National Mission on Teachers and Training (PMMMNMTT)	2
ATA Freight	24/10/2018	To constitute 3 PhD and 2 M. Tech.	5

		Fellowships	
NASSCOM	15/11/2018	To provide learning material for the course on Product Design Engineering	80
Millionminds EcosystemMumbai	13/03/2018	Entrepreneurship and Start-up Support to help students with a chance to penetrate into the Startup ecosystem from the beginning of their careers.	60
NIELIT and DBATU	14/06/2018	Provides an opportunity to meet industrial requirement and also provides exposure to acquire the required state of the art skills and also helps in placing student in industry	55
ICIB Mumbai	01/01/2018	Organize skill development, training, industrial linkages and hand holding activities.	15
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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
2730.79	134.31

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Video Centre	Newly Added
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added

Seminar Halls	Newly Added
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
Libman	Fully	Nil	2011

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
e-Books	666	1400369	4931	4856775	5597	6257144
Journals	0	0	142	1063882	142	1063882
e-Journals	3	Nil	2	5481385	5	5481385
Digital Database	2	Nil	Nil	Nil	2	Nil
CD & Video	628	Nil	Nil	Nil	628	Nil
Library Automation	30	Nil	Nil	Nil	30	Nil
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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
NIL	NIL	NIL	Nil
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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	509	356	1	20	58	55	20	1	0
Added	23	20	0	0	0	0	3	0	0
Total	532	376	1	20	58	55	23	1	0

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

1 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
NA	Nil

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
563.99	197.36	308.95	150.32

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

Procedures and policies for maintaining and utilizing physical facilities: Physical facilities in the University includes infrastructure within campus like buildings and internal roads etc. The process of tendering quotation is followed to carry out maintenance in physical facilities. They are key in ensuring accountability and transparency. Tender process is divided into three parts:- 1. Offline / A1- Tenders:- These tenders are used to carry out maintenance work upto Rs.3 Lakhs. They advertised on University portal for wide publicity. 2. Offline or Online B1-Tenders These tenders are used to carry out minor civil works (3 Lakhs to 25 Lakhs) costing more than 10 lakhs. They are given wide publicity in local and state level newspaper. 3. E-tenders These tenders are useful for major maintenance work/new major work costing upto Rs. 25 Lakhs. They are given wide publicity at local daily and state daily. Work costing more than Rs. 25 Lakhs are outsourced to PWD. Procedures and policies for maintaining and utilizing academic facilities: i. The University departments/sections regularly maintain the laboratory equipment there by checking the working status of instruments. Maintenance being carried out by the laboratory assistants. Laboratory assistant are maintaining dead stock register and register for consumable material. Laboratory assistants are also maintaining log book in laboratory, maintaining equipment, kits, wires, probes etc. Further laboratory assistants are issuing equipment, components and manuals to the students, other laboratories and departments by making entry in the issue book. ii. The University Department organizes workshops, guest lectures, seminars for development of students on frequent basis. The departmental project and seminar coordinators are maintaining all projects and seminar records. Department office maintains all academic documents such as master, individual teacher's, class room, laboratory time tables, monthly review of number of lectures and practical conducted by teachers, a copy of unit test examination time table, student's feedback reports.

<https://dbatu.ac.in/wp-content/uploads/2022/03/4.4.2-Procedures-for-maintaining-and-utilizing-physical-academic-and-support-facilities.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	University Fellowship	2	932027

Financial Support from Other Sources			
a) National	Various Government schemes	2300	15645505
b) International	TEQIP-III	10	3558290
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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
Business Idea Competition	05/03/2019	70	University
Business plan i2E competition	20/11/2019	210	University
Hackathon 2019 (ExTc)	24/01/2020	175	University
TEDx (English)	07/03/2020	100	University
National Yoga Day	21/06/2019	150	University
Induction Programme	26/08/2019	400	University
Soft skill (Mech)	02/03/2019	237	University
Celebration of National Sports Day	29/08/2019	110	University
18 Hrs Study Program	14/04/2020	250	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 passed in the comp. exam	Number of students placed
2019	GATE Coaching	187	Nil	Nil	Nil
2019	Employability Test	120	Nil	Nil	Nil
2019	AMCAT	522	Nil	Nil	Nil
2019	GATE awareness program	250	Nil	Nil	Nil
2020	Career Counselling	Nil	350	Nil	118
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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
1250	1250	7

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
(Refer the attached sheet)	251	87	(Refer the attached sheet)	Nil	31
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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	1	B. Tech.	IT	Student at National Institute of Technology, Raipur	M. Tech, Computer
2020	1	B. Tech.	Computer Engg	Symbiosis Institute Of Business Management , Bengaluru	MBA
2020	1	B. Tech.	Computer Engg	Rochester Institute Of Technology, USA	MS
2020	1	B. Tech.	Electrical Engineering	Veer mata Jijabai Technological Institute (V JTI), Matunga	M. Tech
2020	1	B. Tech.	Electrical Engineering	Sardar Patel College of Engineering	M. Tech
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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	18
GRE	3
TOFEL	2
Any Other	1
Civil Services	1
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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
Shooting (W)	Selection Trial	6
Shooting (M)	Selection Trial	6
Foot Ball (M)	Selection Trial	32
Cricket (M)	Selection Trial	33
Kabaddi (W)	Inter Colligate	160
Kabaddi (M)	Inter Colligate	380
Chess (W)	Inter Colligate	25
Chess (M)	Inter Colligate	81
Table-Tennis (W)	Inter Colligate	15
Table-Tennis (M)	Inter Colligate	38
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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	NIL	Nil	Nil	Nil	Nil	Nil
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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)

Students have active representation on academic and administrative bodies and committees of the University. University also constituted various Clubs and Board of Students Development and extensional activities. 1. Class Committees: All programs have class committees for each course that comprises student members representing meritorious as well as weak students, along with faculty members nominated by the Head of the Department, other than the course teacher. The Class Committees provide feedback on all aspects of the program and respective courses. Class Committee Meetings are held regularly, at least twice each semester. 2. Cultural and Sports Committees: Students have strong representations in all cultural and sports and games committees and help in the organization and management of events. 3. Hostel Administration: Students provide strong support in the administration and management of hostel affairs. Each hostel has a Hostel Secretary, Mess Committee, Cultural Committee, Sports Committee, and Cleanliness Committee. Students manage the entire functioning of the Co-operative mess and organize extra-curricular events and competitions throughout the year. 4. Organization of Special Events: Students organize, and celebrate the National Teachers Day, on Sept. 5, every year by honoring retired

teachers and presenting cultural programs and sports competitions, and other National celebrations that include, Independence Day, Republic Day, Engineers Day, Science Day and various NSS, NCC and social service activities. 5. TEDx: Students organized TEDx on Excellence with Relevance, with presentations on varied aspects, on 7 Mar 2020. They also organize Cynosure, Hackathon, and Business Idea competition that involves a variety of innovative competitions, guest lectures, and games. The above activities enhance their communication skills, management skills, leadership skills, teamwork, time-management, and resource management skills and build confidence in each student. 6. Earn and Learn Schemes: University has successfully implemented Earn and Learn Schemes. 7. Each academic departments have its department-wise student associations like TEESA, MESA, and CESA.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of registered Alumni:

0

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

NIL

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)

As the State Technical University, University aims to work most effectively when motivated by the common values- Openness, Commitment, Integrity, Innovation and Success in Societal relevance. The Faculty, Students and Staff are committed to the mission of the University of providing quality technical education and to become a 'Centre of Excellence' in Education. The University has adopted a number of new initiatives and practices through ingenious leadership and effective governance. Such initiatives have greatly impacted the strategies adopted by the University in furtherance of its vision targeting the aim of becoming a center of excellence in all fields, resource mobilization, effective utilization of human resources, and overall efficiency enhancement.

The university has prepared an elaborate 'Strategic Plan' which gives a detailed roadmap for the long-term development and growth of the university as envisaged in the University Act. The implementation of this strategic plan in letter and spirit will enable this university to achieve its goals. An "Institutional Quality Assurance Cell (IQAC)" has been put in place. This cell monitors the quality of all academic and administrative activities on a regular basis so as to achieve continuous quality improvement. Each academic department has 'Departmental Committee' consisting of HoD, all faculty members, representatives of non-teaching staff and students' representatives (UG/PG/PhD). The department functions through this committee and through its 12 different sub-committees responsible for effective administration. Maximum possible use of ICT is implemented in administration, governance, and academic activities for the enhancement of productivity and quality of education. The institution promotes the culture of participative management at the strategic

level, functional level and operational level. At a strategic level the Governing body, Teachers and the IQAC are involved in defining policies procedures, framing guidelines and rules regulations pertaining to admission, examination, code of conduct-discipline, grievance, support services, finance etc. In functional level faculty members share knowledge among themselves, students and staff members while working for a committee. Faculty members are involved in joint research and have published papers. At the operational level the HoDs of various departments and faculty members interact with government and external agencies faculty members maintain interactions with the concerned departments of affiliating institutes. Students and department staff join hands with the HoDs and faculty for the execution of different academic, administrative, extension related, co- and extracurricular activities. Startup, innovation and incubation center is going to be a good example of participative Management. i) Placement process in the University is driven by the participation of members from Career Development Center (CDC), Faculty and Student Committee on placements. CDC members open up the job profiles. Interaction with the Industry is done by the members of CDC and some of the faculty members who are part of the same. Before opening the job profiles all terms and conditions are discussed among the members. ii) Faculty members of various departments have been given additional responsibilities related to various aspects of the university like Student section, Admission, Examination, Research and development, centralized procurement, IQAC and Alumni.

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
Industry Interaction / Collaboration	Every department in the University has good industry institute interaction through the network alumni. As a part of B. Tech. curriculum, it is mandatory for Third year and Final year students to do Industrial Training/ Internship for two weeks to four weeks during summer /winter vacation. Every department regularly signed MoUs with different industries. Currently we have a MoU with POSCO industry which gives scholarships for bright students of each department.
Admission of Students	First year students are selected on the basis of merit by online CAP rounds conducted by DTE. Admission process is completely online and atomized. Admission process and fees payment for subsequent academic years was made completely online.
Curriculum Development	Every department in the university regularly conducts BoS Meetings for revision of course structure and syllabus as per the AICTE standards based on feedback from various stakeholders, needs of the industry, profession, society, research

organizations, thrust areas of the country, etc. The BoS includes experts from industries, academia and research organizations. We offer a range of innovatively designed programs whose curricula are constantly updated to meet the changing requirements of the industry and also to meet the needs of major stakeholders. To fulfill industry demand, we introduced a few Add-on courses which were taught by adjunct faculty from reputed industry and organizations.

Teaching and Learning

Faculty of every department of the University are encouraged to participate in Faculty Development Programmes to improve their knowledge and teaching skills that can benefit students. They are also provided financial support from the University through TEQIP III to attend those programmes. Also, our University regularly conducts Workshops for students. Nearly every department of the University is equipped with a smart classroom to adopt and encourage e-learning in the Teaching and Learning process.

Examination and Evaluation

In every semester the Mid-Sem exam and End-Sem exam is conducted by the University. Regular home assignments, class tests, and tutorials are given to students as a part of a continuous assessment process. The students also appear for term end/ internal examination for theory and mock practical examination viva. This prepares them for the semester or final examination as the case may be. The PG students have to present research papers and projects along the above all under the Credit Based System. Introduction of the smart class room and modern technology eases the learning process for all students from last year.

Research and Development

Development of PG center and Center of excellence in specified areas. University has established IPR cells and start up, innovation and Incubation Center to promote and support noble ideas. The UG/PG and PhD students are encouraged to publish papers in national and international conferences and Journals. Financial assistance has provided for the same. Interested Staff and faculty members are encouraged to

	take higher education and teaching faculty can apply for PhD through QIP.
Library, ICT and Physical Infrastructure / Instrumentation	<p>Library has been updated immensely. New journals, magazines, books and online databases were procured to establish an academic rigor. Also, there is provision of a Book Bank for students in the Library in which students can rent books at cheaper prices. Progression is made toward making the library process digitalized. LIB-Man software is currently being used in our library. On the occasion of Dr. Ambedkar Jayanti, an 18 hour study program at the library is organized every year. During the examination period, the library worked with extended hour operation.</p>
Human Resource Management	<p>High focus on research, overall employee wellness and a healthy environment was built. Overall satisfaction among employees is indicative of fairly good practices. Transfer of non teaching and office staff, skill based training, capacity building trainings, management cadre training makes the employee multitasking.</p>

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

E-governance area	Details
Examination	<p>The University has already taken various steps for implementation of E-Governance in Examination: ? Online declaration of results. ? Online collection of examination fees from students. ? Application for revaluation is made online. ? Photocopy of answer sheet made online on the personal login for the students who had applied for the same ? Evaluation of the End Semester exam has been made online.</p>
Planning and Development	<p>Tenders and Quotations are uploaded on the institute website. GEM, MahaIT etc portals are also used for procurement and other administrative processes. The software TM- network is used for office work.</p>
Administration	<p>Notices and other information are uploaded on the Institute website. Biometric Attendance is used to generate various reports such as Biometric Attendance Report-Department wise and faculty wise. CCTV surveillance is used to monitor and security purposes.</p>

Finance and Accounts	The University has already taken various steps for implementation of E-Governance in Finance Accounts: - ? Online fee collection from students. ? Tax form, Salary slips etc are managed online. ? Online salary payment. ? Online payment of LTA and other reimbursements to staff ? Online collection of dues from students other than fees. ? T.M. Networks
Student Admission and Support	DBATU support students in various forms ? Fees payment is made online ? University supports students to avail different scholarships and fellowship. ? IUMS

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Dr. Sonali Mhatre (Petrochemical)	Workshop on waste water management	Nil	31877
2019	Dr. Neeraj Agrawal (Mechanical)	Conference at IITRAM	Nil	11502
2019	Dr. R. P. Kate (Mechanical)	Workshop on IPR	Nil	15878
2020	Nil	Nil	AIU Membership	59000
2019	R. S. Pawade (Mechanical)	International conference on precision, Micro, Meso and Nano Engineering	Nil	12794
2019	Dr. L. N. Singh (Physics)	International conference on physics of material and nanotechnology	Nil	20044

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

Year	Title of the professional development programme organised for	Title of the administrative training programme organised for	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
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	teaching staff	non-teaching staff				
2019	Joint conference AKTU and DBATU	Nil	19/11/2019	20/11/2019	41	Nil
2019	Refresher course in chemical engg and Tech.	Nil	18/06/2019	20/06/2019	30	Nil
2019	9th National conference TIME 2019	Nil	07/12/2019	10/12/2019	38	Nil
2020	Nil	Self-Development and Capacity Development	12/01/2020	16/01/2020	Nil	34
2020	Nil	Women Empowerment through higher education	21/01/2020	25/01/2020	Nil	52
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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
Two week FDP on Reactive Separation (Chem)	6	26/11/2019	06/12/2019	10
International conference on physics of material and Nano technology	1	19/09/2019	21/09/2019	3
International Conference on Computing, communication and sensor network	1	19/10/2019	20/10/2019	2
International conference on communication and Intelligent Systems	1	09/11/2019	10/11/2019	3

Integrated Approach towards Water Processing and Management. (Petro)	5	15/08/2019	19/08/2019	5
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
49	62	57	79

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Leave policy, housing facility, health care facility, Ambulance, sports, Bank, guest house, group insurance, atm facility, internet facility at staff quarters	Festival advance, housing facility, health care facility, sports, Bank, guest house, group insurance, ATM facility, financial support for critical health conditions	Hostel, sports, health care facility, Ambulance, scholarships, alumni meets, earn and learn scheme, cycle club, store and Xerox facilities, student aid fund

6.4 – Financial Management and Resource Mobilization

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

<p>Internal Audit: Internal Audits are conducted once in a year. The internal audit committee of the University with an external auditor is involved in conducting an internal audit in which the vouching of the bills, random checking of the bill is done. Ms P.V Page co. was the CA for this year. Internal audit is required for monitoring and upgrading the accounting process on a continuous basis. External audit: External Audit is conducted once in a year. The Ms Kirtane and Pandit LLP is the renowned firm of Mumbai is the Chartered accountant for Dr. Babasaheb Ambedkar Technological University, Lonere. The external audit starts in the month of Nov. and ends till Dec.</p>
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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
Nil	Null	Nil
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6.4.3 – Total corpus fund generated

0

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	External Expert	Yes	IQAC

Administrative	Yes	External Expert	Yes	IQAC
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6.5.2 – What efforts are made by the University to promote autonomy in the affiliated/constituent colleges? (if applicable)

The University promotes autonomy to the affiliated colleges by helping and encouraging them in up gradation of syllabus on regular basis making it skill oriented with quantifiable outcomes, Orientation and training of teachers, redesigning programs.

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

i. Feedback on regular basis ii. Supporting the University vision and mission
iii. Parent -teachers Meet

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

i. identified the Staff training needs and conducted the trainings accordingly
ii. conducted workshop on Universal Human Values iii. conducted training on soft skill and MCSR iv. Qualification improvement program

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

? Startup, innovation and incubation center ? Annual Staff training needs identified and training conducted. ? Initiated extension activity by involving technical expertise under Unnat Bharat Abhiyan and Unnat Maharashtra Abhiyan.

6.5.6 – Internal Quality Assurance System Details

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

6.5.7 – 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	Two Impact lectures sessions in the field of innovation, IPR, and startup	Nil	20/02/2020	20/02/2020	65
2020	Impact lectures sessions in the field of innovation, IPR, and startup	Nil	03/03/2020	03/03/2020	40
2019	Workshop on "Entrepreneurship and Innovation as Career Opportunity"	Nil	01/10/2019	01/10/2019	105

2020	Orientation Session on National Innovation and Startup Policy (NISIP)	Nil	28/04/2020	28/04/2020	15
2019	India First Leadership Talk Series	Nil	22/08/2019	22/08/2019	50
2020	Inter University Level Smart India Hackathon 2020	Nil	22/01/2020	24/01/2020	210
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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
Awareness program on Gender Equality	29/02/2020	29/02/2020	35	38
Savitribai Phule Jayanti 2020	03/01/2020	03/01/2020	55	35
Women's day celebrations	08/03/2020	08/03/2020	50	20

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
1-2

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	20
Ramp/Rails	Yes	20
Rest Rooms	Yes	20
Scribes for examination	Yes	Nil
Any other similar facility	Yes	20

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2020	1	1	27/04/2020	Nil	COVID-19 Online Awareness Quiz	Pandemic Awareness	16603
2019	Nil	Nil	18/10/2019	1	DBATU NSS Blood donation camp 2019	DBATU's NSS unit organised a blood donation camp for all students in association with J.J. Hospital, Mumbai. The camp saw great enthusiasm from both the students and the faculty. The event was inaugurated by Hon'ble Vice Chancellor Dr V. R. Sastry.	75
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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
STATUTES OF DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY	15/10/2018	Detail is in following link: https://dbatu.ac.in/wp-content/uploads/2018/12/Final-Draft-of-the-Statutes-15-10-2018.pdf

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Republic Day	26/01/2020	26/01/2020	300

Parade 2020 Celebrations			
Dr. Ambedkar Mahaparinirvan din 2019	06/12/2019	06/12/2019	60
Ekta Diwas celebrations 2019	31/10/2019	31/10/2019	30
Ganpati Celebrations at DBATU	22/08/2019	27/08/2019	150
National Sports Day Celebration	29/08/2019	29/08/2019	350
KARGIL VIJAY DIWAS Celebration	24/07/2019	24/07/2019	80
Yoga Day Celebration	21/06/2019	21/06/2019	65
Independence Day celebration	15/08/2019	15/08/2019	350
Mahatma Gandhi Jayanti Celebration/Swachh Bharat Abhiyan	02/10/2019	02/10/2019	50
Shri Chhatrapati Shivaji Maharaj Jayanti Celebration	29/02/2020	29/02/2020	450
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Tree plantation
- Programmes to spread awareness about environment
- Encouraging students to take project aimed at conservation
- Conservation of flora and fauna around campus
- Replacing the conventional energy with solar energy
- Institute encourages staff and student to use bicycle for local transportation.
- "Earn While You Learn" Cycle Distribution Programme Launch

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice-I: Professional and technical Skills exposure to students 1. Title of the Practice: Establishment of Management of Avishkar, Research and Start-up Activity cell 2. Goal : Objectives of this best practice are to enhance the professional skills of student to improve their employability and organize training programs to motivate students for higher education and Entrepreneurship. So as to empower them with current Industry needs and job requirements. 3. The Context : Industry needs are frequently changing, and technologies are rapidly updating. Students must be aware of these changes and update their skill sets. Though the students are good in academics, few of them are lacking in presentation and technical skills. They are needed to encourage establishment and growth of technology-based start-ups, to contribute for job creation, improve employability of graduates and enhance economic health of the region, to Meet the demands of the society and industry across the entire State, to pursuing, Nurturing Translating Ideas to Enterprises, to forge a strong collaboration between the university and industry, to Create employment opportunities for students and for faculty, to appreciable incentives for faculty from the revenue earned through commercialization of RD., to

Encouragement to faculty to obtain patents for their work. 4. The Practice:

Enhancing out of box thinking of students is a noteworthy point of this practice. Efforts taken for the same are mentioned as follows: ? Organizing University sponsored workshops on emerging technologies for faculty members and students. ? Students enthusiastically participate/ publish their ideas in National/International Conferences and Journals. ? Expert/Guest lectures are frequently conducted for students by Industry Professionals to impart knowledge of the latest trends in Industries. 5. Evidence of success: Startup unit of the Dr. Babasaheb Ambedkar Technological University is inaugurated by auspicious hands of Honourable Vice Chancellor Dr. V R Sastry in presence of respected Registrar Dr. Sadaiah on 1st October 2019 at University Conference Hall. One of student suggested the name of Research center as MARS (Management of Avishkar,

Research and Start-up) which is highly appreciated by honourable Vice Chancellor. 6. Problems Encountered and Resources required: ? It is difficult to find the right person from the industry who can authoritatively deliver sessions on the latest technologies. It is challenging to maintain a balance between academic activities and technical event activities. ? Some students are from vernacular backgrounds and have poor English communication skills, which need to be improved. Best Practice-II: Seed funding, mentoring and training to students

1. Title of the Practice: DBATU FORUM OF INNOVATION, INCUBATION AND ENTERPRISE. 2. Goal : Objectives of this best practice are to stimulate the

establishment and growth of technology-based start-up companies and other compatible businesses. By fulfilling this mission, the incubator would contribute to job creation, and provide for enhanced economic health to the region and to develop an ecosystem that enables entrepreneurs to build successful science and technology businesses with global potential. Purpose: ?

Encourage establishment and growth of technology-based start-ups. ? To contribute for job creation, improve employability of graduates and enhance economic health of the region ? Meet the demands of the society and industry across the entire State. ? Pursuing. Nurturing Translating Ideas to Enterprises. ? To forge a strong collaboration between the university and industry ? Creating Employment opportunities for students and for Faculty. ?

Appreciable incentives for faculty from the revenue earned through commercialization of RD. ? Encouragement to faculty to obtain patents for their work. Facilities: The Centre will provide an ecosystem to enterprising students, immediate alumni of the University, affiliated colleges and other emerging technology-based businesses that would support their start-up phase. The Centre will provide: ?Working space physical infrastructure like office,

workshop space, fully furnished offices ? Hand holding ? Flexible lease ? Common office and laboratory facilities ? Business guidance ? Mentoring, and other technical resources in a network mode The Centre support infrastructure for development of innovation ecosystem to attract new entrepreneurs, such as: ?Common Testing labs tool Rooms ?Enterprise Software shared Hardware ? Shared services like legal, accounting, technology. Patents. Investment Banking. ? Other Amenities and Facilities like individual accommodation, hostel rooms. ? Community for Start-ups ? Personal computers. Printers with Common Computation facilities ?Telecom facilities ? Internet connectivity ? Dedicated multimedia facilities for remote board meetings and video conferences ? Access to Skilled

Resources in the field of science and technology with enormous intellectual resources, laboratory and library facilities. Additional services apart from space such as: legal/accounting/ digital marketing/subsidized lab facilities: ? Technical Experts and advisor ? Specific Entrepreneurship training ? Mentoring

? Success stories ? EDP Shared Resources: ? Meeting and conference rooms equipped with projectors audio/video conferencing facilities ? High-end

photocopying, fax, scanning machines Pantry facilities ? Lab facilities ? Library Facilities Business Support: ? Business plan assistance ? Mentoring support ?Access to professionals with legal, financial, accounting, IP and industry ?Expertise Showcasing events for exhibition of products and solutions

? Networking events to facilitate interaction with investors and industries ?
 Training program and seminars relevant to entrepreneurs Programs
 conducted/participated for students: 1 Interaction with Student Innovators and
 Entrepreneurs Emerged from Smart India Hackathon (SIH) DBATU FORUM OF
 INNOVATION, INCUBATION AND ENTERPRISE, IIC of Dr. B.A.T.U. Lonere UG, PG, Ph.D.
 Students and faculty members and startup incubatee 2 Two Impact lectures
 sessions in the field of innovation, IPR, and startup 3 One week FDP on
 Innovation Management Faculty members and mentors of DFOIIE UG Students 4
 Internship at Innovation Start up Centre during Semester Break 5 Innovation
 Ambassador Training Programmes MHRD Innovation Cell Faculty members and mentors
 of DFOIIE 6 Start-up India Innovation Week MOE Innovation Cell, AICTE Students,
 mentors, incubatee 7 Exhibition Cum Demo for PoCs Mentorship Session for
 Innovators (or) Entrepreneurs DBATU FORUM OF INNOVATION, INCUBATION AND
 ENTERPRISE, IIC of Dr. B.A.T.U. Lonere UG, PG, Ph.D. Students Entrepreneurs 8
 Pitching Event for Ideas Scouted linkage with Innovation Ambassadors for
 mentorship support 9 Motivational Session by Successful Innovators/Start-up
 founder 10 Session/ Workshop on Business Model Canvas (BMC) 11 Testing and
 Certification process for the SEED Inaugural program Rein Labs (Research!
 Innovation! Incubation) Mentors of DFOIIE 12 One-week professional skill
 development training program on Patent filing, patent specification, patent
 search RGNIPM,GOI, Nagpur, Dbatu Forum Of Innovation, Incubation And
 Enterprise Faculty members of university and mentors of DFOIIE

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

<https://dbatu.ac.in/wp-content/uploads/2022/03/Best-practices-AY-2019-2020.pdf>

7.3 – Institutional Distinctiveness

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

The Vision, Mission and Objectives of the institution clearly points towards
 highest quality education, technology-based education, in the most cost-
 effective manner. Dr. Babasaheb Ambedkar Technological University (DBATU) is a
 unitary, Maharashtra State Technological University in Lonere. it was
 established in 1989 and it is a 58-year-old institution. The Institution
 contributes to the society through Health camps, Blood donation camps,
 Awareness rallies, Guest Lectures and workshops to Teachers. To make teaching
 learning effective the institution has rich library, Projectors, Internet, Wi-
 Fi etc. The institution provides a platform to enhance their skills,
 intelligence and potentials with social responsibilities. The institute also
 responsible in meeting cleanliness and peace full environment providing clean
 safe drinking water and restricts social evils such as smoking, ragging in the
 campus, which support and reinforce adopt in of positive values. Students from
 this university have competed in various tournaments at national levels.

Similarly, various NSS and NCC activities of the University have been
 recognized at National levels. The college provides substantial opportunities
 for students from different streams to come together in different academic as
 well as sports, cultural and other extra-curricular activities organized by
 various societies and clubs of the college which inculcate the spirit of social
 discipline, requited work and civic accountability towards nation building and
 social development. The teachers at DBATU use innovative teaching techniques
 such as virtual labs, interdisciplinary activities, power point presentations,
 peer teaching methodologies etc. to make the teaching learning process
 interesting, enjoyable and effective. The students are motivated to take up
 short internship programs to develop their professional aptitude, strengthen
 personal character, and to enhance their working skills. Various departments
 have formed clubs which allow students to think, innovate and learn through

teamwork.

Provide the weblink of the institution

<https://dbatu.ac.in/>

8.Future Plans of Actions for Next Academic Year

Planning and preparations for the academic activities in off-line mode. Taking care of residents of the campus and those who are attending the duties in view of covid-19 guidelines. Preparation of hostel and other residential facilities in view of students reporting to the campus for academic activities. Preparation of budget for the financial year 2021-22 in view of full fledged activities on the campus post-covid. Planning for procurement. Maintenance of several lab and other equipment/instruments in view of a very little use due to covid situation.