Yearly Status Report - 2017-2018

Part A	
Data of the Institution	
1. Name of the Institution	**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, LONERE**
Name of the head of the Institution	**Dr. V. G. Gaikar**
Designation	**Vice Chancellor**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**02140-275101**
Mobile no.	**9422494101**
Registered Email	**registrar@dbatu.ac.in**
Alternate Email	**vc@dbatu.ac.in**
Address	**DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY, VIDYAVIHAR LONERE 402103**
City/Town	**Lonere Raigad**
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.	**9422494101**
Registered Email	**registrar@dbatu.ac.in**
Alternate Email	**lnsingh@dbatu.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://dbatu.ac.in/

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://dbatu.ac.in/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.35**	**2015**	**03-Mar-2015**	**02-Mar-2020**

6. Date of Establishment of IQAC

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!!!		
No Files Uploaded !!!		

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
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	3
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	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)

• Timely submission of AQAR (shortterm) • Strengthening office of IQAC (shortterm) • IQAC seminars on quality, excellence etc. (shortterm) • Idea boxes to invite ideas (shortterm) • Inviting suggestions from public, intellectuals (shortterm)

No Files Uploaded !!!

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
Conduction of Seminars	Computer Engineering Department organized Seminar on "Cashless India"
Publications	Many Faculty and students published their research in reputed journals
motivate the students to join MOOCs in SWAYAM portal.	Conducted various meeting about the SWAYAM MOOCs for the students to join the online program
IT integration and reforms in the	Continuous assessment ,mid-sem and end-

examination procedures and processes	sem exams
No Files Uploaded !!!	

14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
IQAC	**02-May-2017**

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	**2018**

Date of Submission	**08-Jan-2018**

17. Does the Institution have Management Information System ?	**Yes**

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**Yes, University does have Management Information System**

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	**11372**	**Electronics and Telecommunication Engineering**	**17/03/2017**
Mtech	**12372**	**Electronics and Telecommunication Engineering**	**17/03/2017**
BTech	**11612**	**Mechanical Engineering**	**24/03/2017**
BTech	**11191**	**Civil Engineering**	**15/04/2017**
[View File]()			

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**	**30/04/1995**	**Employability**	**17/03/2017**

	and Telecommunication Engineering		And Skill Development EC33	
BTech	All Programme	Nill	Communication Skill	18/06/2017

No file uploaded.

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	NA	Nill

[View File]

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

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
Basic Human Rights (All Branches)	17/07/2017	562

No file uploaded.

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	300
BTech	Mechanical Engineering	150

No file uploaded.

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
Feedback is taken from all the stakeholders manually. Students are requested to feel online feedback using google form. Then data is collected by faculty members of respective department. Feedback is received on varied aspects of the University including location, office, canteen, laboratory, library, administration and academics. 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 also collected from the alumnus by each and every department of the college. Suggestions and comments given by the 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 college 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	Mechanical Engineering	60	64	64
BTech	Electrical Engineering	60	65	65
BTech	Electronics and Communication Engineering	120	124	124
BTech	Civil Engineering	60	58	58
BTech	Computer Engineering	60	65	65
BTech	Information Technology	60	62	62
BTech	Chemical Engineering	60	64	64
BTech	Petrochemical Engineering	60	62	62
Mtech	chemicaL	18	12	12
Mtech	ENVIRONMENT ENGINEERING	18	0	0
		View File		

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
2017	2608	113	119	Nill	Nill

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
119	119	Nill	Nill	Nill	Nill
No file uploaded.					
No file uploaded.					

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

Yes, each faculty member in every department was assigned with mentorship for 25-30 students. Students were asked to meet mentor at regular intervals for identification, coordination and evaluation of internship in different engineering institutions/ research organisations of repute, industrial training in nearby industries and field training on societal issues with NGO or local bodies. Also, faculty members of every department are allocated as a guide for students for their seminars and projects.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2721	119	1:23

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	54	41	0	35

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
Nill	NA	Nill	NA
[View File](#)			

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-	Date of declaration of results of semester-

			end examination	end/ year- end examination
BTech	all	I, III, V, VII	Nill	21/02/2018
BTech	all	II, IV, VI, VIII	Nill	20/07/2018
Mtech	all	I, III	Nill	14/02/2018
Mtech	all	VI	Nill	10/09/2018
No file uploaded.				

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	2721	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/syllabus-and-course-structure-for-b-tech-programs/

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
11527	BTech	PetroChemical Engineering	71	67	94.36
11507	BTech	Chemical enginering	75	68	90.67
11246	BTech	Information Technology Engineering	74	60	81.08
11191	BTech	Civil Engineering	79	74	93.67
11372	BTech	Electroncs and Telecommunication Engineering	155	132	85.16
11612	BTech	Mechanical Engineering	74	74	100
11245	BTech	Computer Engineering	82	68	83
No file uploaded.					

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)

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
Nill	NA	NA	Nill	NA

View File

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
Stipend for Ph. D. Scholars	Nill	TEQIP III

No file uploaded.

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 !!!				

No file uploaded.

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
Expert Talk on Corporate Training at BSNL	EXTC	09/08/2017
Expert Talk on Start-up and Entrepreneurship	Nill	25/04/2018
Seminar on Recent Trends in Web Technologies	Nill	26/04/2018
Seminar on Convergence of AI, Big Data and High Performing Computing	Nill	27/01/2018
Expert Talk on Product based learning	Nill	27/12/2017
Seminar on Role of ITU in Spectrum Management of Satellite and Terrestrial Services	Nill	26/01/2018
Guest Lecture on Green technology	Nill	17/02/2018

Guest Lecture on Nanotechnology	Nill	21/02/2018

View File

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
NA	NA	NA	Nill	NA

View File

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
NA	NA	NA	NA	NA	Nill

View File

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
All Departments	6

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	ALL	89	Nill

View File

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
All Departments	20

No file uploaded.

3.4.4 – Patents published/awarded/applied during the year

Patent Details	Patent status	Patent Number	Date of Award
NA	Nill	0	Nill

View File

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
Surface integrity and sustainability assessment in high-speed	Ganesh Kadam, Raju S. Pawade	Journal of Cleaner Production , Elsevier, Vol. 147, 2017, pp.	2017	Nill	Nill	Nill

		273-283.				
Experime ntal Inves tigation of Surface Topography in Photoch emical Machining of Inconel718	Nitin D. Misal, Atul R. Saraf, and Mudigonda Sadaiah	Materials and Manufa cturing Processes, http://dx. doi.org/10 .1080/1042 6914.2017. 1317786, Taylor and Francis	2017	Nill	Nill	Nill
Fusion Execution of NaCl on Tree-Shaped MSA	S.V. Kho bragade, Dr. S.L. Nalbalwar, Dr. A.B. N andgaonkar	Internat ional Journal of Antennas and Propag ation Volume 2018, Article ID 4965627, pp 1-6, ht tps://doi. org/10.115 5/2018/496 5627	2018	Nill	Nill	Nill
Analysis Modificati on synthesis based Optimized Modulation Spectral S ubtraction for speech, en hancement	Pavan Paikrao and Dr. S.L. Nalbalwar	Internat ional Journal of Circuits, Systems and Signal Processing ISSN: 1998-4464, Vol. 11, 2017pp. 343-352	2018	Nill	Nill	Nill
Detection of Speaker identities from co-channel speech signal	Pallavi Ingale and Dr. S.L. Nalbalwar	WSEAS Tr ansactions on Signal Processing , ISSN/E-ISSN 1790-5052/2224-3488, Volume 14, 2018, Art.	2018	Nill	Nill	Nill

		66, pp 43-49				
Wireless Power Transfer to charge mobile devices in automobile vehicles by using solar energy	M.P. Bhagat and Dr. S. L. Nalbalwar	IJEMR, Vol-7, issue-2	2017	Nill	Nill	Nill
Compact MIMO Antenna with Improved Isolation for 3G, 4G, Wi-Fi, Bluetooth and UWB Applications	Pratima C. Nirmal, Anil Nandgaonkar, Sanjay Nalbalwar and Rajiv K. Gupta	Progress in Electro magnetics Research C, Vol. 76, 87-98, 2017	2017	Nill	Nill	Nill
"Singing voice separation using mono-channel mask	Pallavi Ingale and Dr. S.L. Nalbalwar	International Journal of Speech Technology, Springer US, pp. 1-18, 2018	2018	Nill	Nill	Nill
"Investigation on Daubechies Wavelet Based Compressed Sensing Matrices for ECG Compression	Yuvraj V. Parkale, Sanjay L. Nalbalwar	Springer-Advances in Intelligent Systems and Computing (Springer-AISC)	2018	Nill	Nill	Nill
"Identification of snake type from image	Mohini N. Sheth, Dr. Sanjay L. Nalbalwar, Dr. Anil B. Nandgaonkar	International Journal of Electrical, Electronics and Data Communication, ISSN(p): 2320-2084, ISSN(e): 2321-2950 Volume-6, Issue-6,	2018	Nill	Nill	Nill

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

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

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	32	Nill	Nill	Nill
Presented papers	89	Nill	Nill	Nill
Resource persons	1	Nill	Nill	Nill

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 Engineering	Nill	Nill	119310
No file uploaded.			

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
NA	NA	NA	0	0

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 Camp	NSS	Nill	250
Annual NCC CAmp	NCC	Nill	50
Digitalization Drive	DR. BATU NCC UNIT	Nill	Nill
Tree plantation programme	DR. BATU NCC UNIT	Nill	Nill
Traffic duty on the occasion of	DR. BATU NCC UNIT	Nill	Nill

Ganesh Chaturthi, Chhatrapati Shivaji Maharaj Jayanti, Dr. Babasaheb Ambedkar Jayanti			
No file uploaded.			

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
NA	NA	NA	0
View File			

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
NA	NA	NA	0	0
View File				

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
NA	NA	NA	0
View File			

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
Nill	MoU for Entrepreneurship and Start-up Support with Millionminds Ecosystem, Mumbai	Millionminds Ecosystem, Mumbai	13/03/2018	Nill	Nill
No file uploaded.					

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

M/S CEAT India Ltd	Nill	enhancing skill training and certification in electrical engg and industrial automation to the employees of M/S CEAT India Ltd	Nill
Institute of Electronics Information Technology (NIELIT)	15/06/2018	Nill	Nill
Maritime Research Centre, Indian Maritime Foundation, Pune h	01/12/2017	Nill	Nill
Millionminds Ecosystem, Mumbai	13/03/2018	Entrepreneurship and Start-up Support	Nill
ITIE Knowledge Solutions, Bangalore	15/11/2017	The main objective is to promote academic and technical knowledge, projects and educational exchange between these two organizations through collaborative research, exchange of academic and technical staff, visit of student and research fellows.	Nill
BIOTRONICS	15/06/2018	to start joint research activity between industry and University in the area of Healthcare Technology	Nill
No file uploaded.			

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
0	80.05

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
Seminar halls with ICT facilities	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing

View File

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Opaq	Partially	Nill	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	38273	Nill	675	343544	38948	343544
Reference Books	6239	Nill	35	161063	6274	161063
Journals	Nill	Nill	81	338334	81	338334
e-Journals	Nill	Nill	3	0	3	0
CD & Video	27	248087	Nill	Nill	27	248087

View File

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
NA	NA	NA	Nill

View File

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	325	19	0	0	53	21	231	100	20

| Added | 112 | 0 | 0 | 0 | 0 | 10 | 92 | 0 | 10 |
| Total | 437 | 19 | 0 | 0 | 53 | 31 | 323 | 100 | 30 |

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

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NA	NA

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
Nill	9.32	Nill	16.72

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)

Laboratory- Record of maintenance account is maintained by lab technicians and supervised by HODs of the concerned departments Library- To ensure return of books, 'no dues' from the library is mandatory for students before appearing in exam. The proper account of visitors (students and staff) on daily basis is maintained. Other issues such as weeding out of old titles, schedule of issue/ return of books etc are chalked out / resolved by the library committee

https://dbatu.ac.in/

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	NA	Nill	Nill
Financial Support from Other Sources			
a) National	GOI scholarship	Nill	Nill
b)International	POSCO	10	300000
No file uploaded.			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Yoga Training Session	03/04/2018	Nill	Physician of DBATU Medical Facilitation Center
One day work shop	09/09/2017	65	M/s. AVK

on Personality Development Skills for students			consultants Mumbai.
Yoga day celebration	21/06/2017	Nill	DBATU NCC Unit.

No file uploaded.

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	GATE coaching	155	Nill	Nill	Nill
2018	expert talk and training programs	Nill	426	Nill	Nill

No file uploaded.

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	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
7	150	19	13	Nill	13

No file uploaded.

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	1	B. Tech.	Electronics and Telecommunications Engineering	Nill	Nill

No file uploaded.

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	24
GRE	1

No file uploaded.

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

Activity	Level	Number of Participants
Cynosure 2K18	Institute	200
Abhiyanta Vasant	Institute	632
University Sports	Institute	500

No file uploaded.

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	Nill	National	8	Nill	Nill	Nill

No file uploaded.

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

Every department of the University have their own student association. Students from third year B. Tech. are selected as members of respective departmental student associations. Every academic event like Seminar, Conference, Symposium, Guest Session and Alumni meet has a systematic manner of involving students at various stages of event. The students are selected by the convenor, trained and work under the supervision of faculty. These Student Associations with the help of faculty members.

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 :

0

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The institution promotes the culture of participative management at the strategic level, functional level and operational level. i. 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. ii. Functional level: Faculty members share knowledge among themselves, students and staff members while working for a committee. Principal and faculty members are involved in joint research and have published papers 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 university. Students and department staff join hands with the HoDs and faculty for the execution of different academic, administrative, extension related, co- and extracurricular activities.

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
Teaching and Learning	The faculty members have been increasingly making use of technology to supplement their teaching in the last four years. For example, NPTEL courses, video films and animations, course materials and reference materials downloaded from internet are being used extensively. This has resulted in an improvement in the teaching and learning process. It has been evident from the students' feedback. Recognition to the teachers, who effectively use these resources, is given in the annual performance appraisals. Departments have started using technology to reduce paper work and promote eco-friendly environment and Digital India by collecting students, feedback using Google forms, and by collecting synopsis of community projects using Google form. For the benefit of the society, the students were asked to take up the problems faced by various ministries of the government and to come up with the solutions as a part of their Community Projects.
Curriculum Development	The University follows a systematic process towards designing and developing the curriculum. The University has adopted the following step-by-step mechanism for this purpose: a. Board of Studies (BoS) Each University Department has its own Board of Studies (BoS). The main function of the BoS is to frame the curriculum and

the contents of individual courses and to identify the electives to be offered. The BoS includes experts from industries, academia and research organizations. While framing the curriculum, the BoS takes into account the feedback from various stakeholders, needs of the industry, profession and society, needs of the research organizations, thrust areas of the country, etc. The curriculum for first year of UG and PG programmes has been revised and implemented with effect from July 2016. Subsequently, the University is going to propose revised curriculum for second year onwards for UG and PG programmes from July 2017. It is decided to implement the system in line with the choice based credit system. On an average, about 50 members on the BoS are experts from industries who suggest the courses relevant to industrial needs. b. Academic Council (AC) The Academic Council formulates common structure for all the courses conducted by the University, reviews and approves the syllabi prepared by each BoS, prepares academic calendar, and periodically reviews examination results. AC also discusses the reports placed by research committee, advisory board and IQAC and give suggestions for improvements from time to time. Care has been taken to have sufficient representation of experts from industries. That has really helped us to increase industry-institute interaction and possibility of industry sponsored UG and PG projects. c. Executive Council The executive council is the highest body with the Vice-Chancellor as its ex-officio chairman. It is the principal statutory authority vested with the powers of supervision, control, and execution. The council reviews almost all the afore-stated academic activities including the curricula before its implementation. It also suggests improvements, modifications and any such new policies for improvement and enhancement of the quality of education. d. Internal Quality Assurance Cell (IQAC) The IQAC reviews and monitors the progress of various academic activities on monthly basis, takes preventive and corrective measures for quality assurance. It also recommends best practices to be

	followed by all the Departments of the University for the purpose of improvement of quality of academic and administrative activities. It also reviews the curricula prepared by each Department and gives suggestions for improvement. While framing the curricula, it is necessary to ensure that the curricula are relevant for the industry, research organizations and profession. The Boards of Studies (BoS) and Academic Council have representatives from industry and research organizations who give valuable inputs so as to make the curricula relevant. In addition, feedback from stakeholders including our alumni working in industry and industry personnel helps in making the curricula relevant for industry, research and innovation. In view of the above, the University has introduced innovative courses like 'mechatronics' in Mechanical Engineering, Communicative English and Self-study Seminar for all disciplines, Technical Projects on Community Services, to name a few. All India Council for Technical Education (AICTE), which is the regulatory body for technical education, periodically brings out 'model curriculum". All the Departments have referred to the model curricula of their respective disciplines while framing the curricula. These model curricula have certainly provided valuable inputs. It is worth-mentioning that the University is amongst the few in the country to have implemented choice-based credit system. e. Academic Audit: Every year academic audit of each department is carried out by the members of Advisory Board. The report of the Advisory Board is placed in Academic Council through IQAC for mentoring the departments.
Examination and Evaluation	In the recent years, the University has carried out following examination reforms: (i) The University has introduced in all the Departments a choice-based credit system from the academic year 2010-11 in stepwise manner. With this system, new relative grading system has also been put in place in all the Departments. (ii) All the tests and end-semester examinations (ESE) are conducted strictly as per the academic calendar. (iii) Answer books

	of the tests are shown to the students. However, photocopy of answer-books of ESE can be made available after payment of certain fees. This has led to the transparency. (iv) Evaluation of ESE answer-books is carried out in Centralized Assessment Programmes (CAP). As a result, all the results can be declared within 30 days of completion of the exam. The examination results are posted on the University website. (v) The reforms such as payment of exam fees on-line have enhanced efficiency. (vi) All the results are declared within 30 days of completion of the exam. The results are published on the University website. (vii) The University exercises utmost care and precaution in every step of the examination process as follows: Paper Setting: The faculty members have to submit three sets of question papers in sealed envelope to the Exam Section. Printing of Question Papers: The printing of question papers is done in a separate room by taking security measures just one day in advance. Conduct of Examination: The conduct of examination is done under strict vigil. There are squads to keep the vigil. All the ESE answer-books are evaluated in the CAP Centre by taking security measures.
Research and Development	The University has Research Committees at the Department level. Every Department offering Ph. D. programmes has its Research Committee constituted as per the provisions made there in the Ph. D. Rules and Regulations. Each Departmental Research Committee comprises a Chairman who is the Head of the Department. All faculty members having the designation of 'Professor' are the members of the Committee, one Associate Professor of the Department (on rotation basis) will be the member and all guides are also members of the Research Committee. Each Research Committee also has five external members as nominated by the Academic Council of the University. The Committee meets as and when required, to discuss the problems of Ph.D. students. The recommendations of the Research Committees are being placed in Academic Council that takes appropriate decisions on the recommendations of the Research Committee. Research

		fellowships are also available for all the full time Ph. D. students.
	Library, ICT and Physical Infrastructure / Instrumentation	A special Body Building Works Committee headed by the Vice-Chancellor and represented by Hon. Chancellors Nominee, PWD officers Invited Experts takes care of the requirement of physical infrastructure. Necessary policies for planning the facilities are decided and submitted for final approval to the Executive Council then GOM and /or GOI for generating funds. Available facilities are handed over to Department concerned. This distribution is done as per the Government norms wherever applicable. Periodic reviews are taken to avoid the under-utilization of facilities. University believes that a healthy teaching-learning environment is one of its biggest assets. A well-equipped library and classrooms with modern teaching aids such as LCD projectors stand in testimony of this. Our library has well demarcated space for Book Bank scheme, Reading Section, Reference Section, Study Section, Offices for Librarian Assistant librarian and e-Learning facilities. The University has provided office space to all faculty members, Heads of the Departments and all section heads. Separate rest rooms for women students and staff are provided in the University main building. As stated above, the proposed Womens Common Room has necessary facilities such as rest room, changing room, dining space, entertainment space and toilet-blocks. This will be a common facility for girl students of all Departments and women employees. As per the directives of National Building Code and AICTE Building Norms, facilities required for differently abled persons are provided. This includes basic provision of entrance ramp, lift and level toilets at ground floor. One of the class rooms at ground floor has been earmarked for allotting to differently abled students on demand by Department concerned. Security Guards keeping vigil inside the building have been instructed to render necessary physical help. Playfield of 5.1 hectares is prepared. The facility of indoor games is available. The proposal of sports complex of divisional level capacity is under

	consideration. (Additional information is already given under the head student facilities)
Human Resource Management	The University is facing shortage of faculty in all the disciplines due to various reasons. However, the existing faculty members are well qualified to cater to the curriculum and academics. The University also appoints teachers on contract basis and teaching assistants (PhD scholars and GATE-qualified M. Tech students) to make up for the shortage of faculty.
Industry Interaction / Collaboration	While framing the curricula, it is necessary to ensure that the curricula are relevant for the industry, research organizations and profession. The Boards of Studies (BoS) and Academic Council have representatives from industry and research organizations who give valuable inputs so as to make the curricula relevant The University has a liberal policy for consultancy work and encourages faculty members to undertake consultancy work like testing of materials, product development, construction work, Industrial consultancy (like expert opinions) and Extension Activities for industry personnel. The University-industry interaction includes summer training of our students and training of the employees of the University. The University has completed training programmes for reputed industries like Larson Toubro, Sandoz Ltd., Privi Organics Ltd., Excel Industries Ltd., etc. The University have generated good amount of revenue through these training programmes. To serve the purpose, the University has signed many MOU's with different industries
Admission of Students	The admission for all the courses UG (B. Tech) and PG (M. Tech) run by the University is done through on-line Centralized Admission Process (CAP) which is conducted by the Directorate of Technical Education, Government of Maharashtra. The information about the University is included in the handbook published and distributed by the Directorate of Technical Education. However, the Rules and Regulations governing examinations and evaluation of the courses run by the University have been made available to the students on the website of the

University, which can be accessed on-line. The University also publishes information about hostel admissions, admission schedule, fee structure, instructions regarding on-line payment of fees, instructions regarding online registration, code of conduct, and information about the Departments, the authorities of the University, syllabus, academic calendar etc. on its website. The information about the anti-ragging committee formed as per UGC directives and contact numbers of the persons to be contacted in case of emergency (or to report any incidence of ragging) is also made available on the Website of the University. Other information about the function is available on the Website of the University under RTI link

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

E-governace area	Details
Student Admission and Support	Admission to the first year Engineering and Direct Second year is done through online mode as well as as payment of fees is made available online on sbi collect.
Planning and Development	Tenders and Quotations are uploaded on institute website.
Finance and Accounts	The University has already taken various steps for implementation of E-Governance in Finance Accounts:- On line fee collection from students. Deposit of fee by cash is prohibited. On line salary payment. On line payment of LTA and other reimbursements to staff On line collection of dues from students other than fees.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Nill	Nill	Nill	Nill
No file uploaded.				

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

	programme organised for teaching staff	programme organised for non-teaching staff			staff)	staff)
Nill	FDP on Recent Trends in Signal Rep resentatio n: A Multirate Approach	Nill	06/11/2017	17/11/2017	30	Nill

No file uploaded.

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
FDP on Pedagogic Techniques	1	20/01/2018	21/01/2018	02
FDP on Data Science and R programming, COEP	1	18/12/2017	22/12/2017	05
FDP on Cyber Security by RUSA	1	12/03/2018	22/03/2018	11
FDP on Software Architecture	2	12/04/2018	17/04/2018	06

[View File](#)

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
54	65	45	23

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
QIP, Workshops, Seminars, Conferences, FDPs	Workshops, Seminars	Workshops, Seminars, Conferences

6.4 – Financial Management and Resource Mobilization

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

Dr. BATU, Lonerer regularly conducts internal and external financial audits. 1. The appointment of Internal and Statutory (External) auditor has carried out through the process of Expression of Interest (EOI). Based on the willingness of the parties L1 is selected for Internal as well as Statutory audit process.

2. Generally Internal auditing process carried out first to evaluate the Finance and Account work of the department then University process for statutory audit. In this process auditor/ recommends the compliances based on the rectification of the process or problems. 3. Internal auditor helps University for yearly audit process then base on internal report statutory audit is carried out. 4. Statutory audit report is kept in VidhanSabha and shared with different Government agencies. As per the requirement.

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
NA	0	0

View File

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	Nill	Yes	IQAC
Administrative	Yes	Nill	Yes	IQAC

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

The University has become ATU in 2016 and affiliation to the institutes started in AY 2017-18. Being new ATU there was little scope for autonomy.

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

Feedback is taken by organizing parent teacher meets regularly. University sends letter to parents informing performance of the respective students. Local parents are invited for various function organized by University. Also University takes help of parents wherever required.

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

i. Annual Staff training needs identified and training conducted. ii. Support Staff is part of all academic and non-academic activities. iii. Regular Staff meetings to address their need and upgrade their skills are conducted

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

Startup, Innovation and Incubation Centre Annual Staff training needs identified and training conducted Initiated Extension Activity by involving technical expertise

6.5.6 – 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	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
No Data Entered/Not Applicable !!!					
View File					

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
Womens Day Celebration	08/03/2018	08/03/2018	300	150

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
00

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	Nill
Scribes for examination	Yes	Nill
Physical facilities	Yes	Nill
Rest Rooms	Yes	Nill

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
2017	Nill	Nill	Nill	1	Digitalization Drive	doubts of people about Internet banking transactions, new rules and regulations of banks.	Nill
2017	Nill	Nill	Nill	1	cleaning mANRUL village	Cleaning of village	Nill

						area	

<center>No file uploaded.</center>

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

Title	Date of publication	Follow up(max 100 words)
NA	Nill	Nil

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence Day	15/08/2017	15/08/2017	470
Republic Day	26/01/2018	26/01/2018	300
Tribute to 26/11 Martyrs	26/11/2017	26/11/2017	Nil
Kargil Vijay Diwas	26/07/2017	26/07/2017	Nil
Constitution Day – 2017	27/11/2017	27/11/2017	Nil
Maharashtra day	01/05/2017	01/05/2017	Nil

<center>View File</center>

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

(i) Energy conservation Department of Electrical Engineering conducts energy audit of the campus as the student project every year. Optimum use of electricity is ensured through spreading awareness among the students and the employees. We will be replacing maximum possible lamps/ lights with LED in near future. (ii) Use of renewable energy The proposal is being prepared by the Department of Electrical Engineering for funding from MEDA. (iii) Plantation The University plants about 200 plants every year in monsoon as NSS and NCC activity. Many plants have grown up in last 10 years making campus beautiful. We also encourage this by tree plantation ceremony at the inauguration of every event in the campus (iv) Hazardous waste management The hazardous waste in the form of used chemicals from chemistry and chemical/petrochemical engineering laboratories is diluted many times in water and disposed carefully. We have the policy of minimal use of hazardous chemicals in these laboratories. (v) E-waste management All e-waste (old computers, printers, electronics components) are stored in separate room. We do not have any facility for disposal of e-waste in University. The University arrange to sell this e-waste to proper buyers of e-waste. (vi) Dustbin Fixing: Dustbins have been fixed throughout the campus for separation of dry and wet garbage with help NSS and NCC students.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

• Online collection of student's surveys on faculty and on course content. • Establishing excellent rapport with the nearby industries to draw the benefit of carrying out consultancy work for the industries and also accommodating students for industrial training Program.

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

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

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

he University is committed to becoming a leading 'Center of Excellence' in the field of Engineering, Technology and Science as a seat of learning with a national character and international outlook. University is focusing on Research and Development. The University has Research Committees at the Department level. Every Department offering Ph. D. programmes has its Research Committee constituted as per the provisions made there in the Ph. D. Rules and Regulations. Each Departmental Research Committee comprises a Chairman who is the Head of the Department. All faculty members having the designation of 'Professor' are the members of the Committee, one Associate Professor of the Department (on rotation basis) will be the member and all guides are also members of the Research Committee. Each Research Committee also has five external members as nominated by the Academic Council of the University. The Committee meets as and when required, to discuss the problems of Ph.D. students. The recommendations of the Research Committees are being placed in Academic Council that takes appropriate decisions on the recommendations of the Research Committee. Research fellowships are also available for all the full time Ph. D. students.

Provide the weblink of the institution
https://dbatu.ac.in/about-the-university-2/

8.Future Plans of Actions for Next Academic Year

? University would like to have collaborations with some of the reputed foreign Universities. ? University would like to achieve at least 80 placement of their graduates. ? University would like to get more number of centrally funded projects. ? Community radio system for University and nearby villages. ? E-class room implementation using smart class room ? Recording studio for creation and decimation of information ? Online Portal Grievance for students, faculty and staff issues. ? To establish Atal Incubation Centre for idea, innovation amp product development ? To upgrade computing facilities by adding 50 Desktop machines and five server class machines. ? To arrange guest lectures and workshops under TEQIP-III. ? To create a culture of Competitive Programming ? Video Surveillance throughout the University campus. ? Digitization of all activities related to academic to improve quality ? Online quiz