



## Yearly Status Report - 2017-2018

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		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)	<a href="https://dbatu.ac.in/">https://dbatu.ac.in/</a>																		
<b>4. Whether Academic Calendar prepared during the year</b>	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://dbatu.ac.in/">https://dbatu.ac.in/</a>																		
5. Accrediation 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 Accrediation</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 Accrediation	Validity		Period From	Period To	1	B	2.35	2015	03-Mar-2015	02-Mar-2020
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	B	2.35	2015	03-Mar-2015	02-Mar-2020														
<b>6. Date of Establishment of IQAC</b>	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																
<b>No Data Entered/Not Applicable!!!</b>																			
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
<b>No Data Entered/Not Applicable!!!</b>				
<b>No Files Uploaded !!!</b>				

**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
<b>No Data Entered/Not Applicable!!!</b>	
<b>No Files Uploaded !!!</b>	

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

Yes

Name of Statutory Body	Meeting Date
------------------------	--------------

IQAC	02-May-2017
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No
<b>16. Whether institutional data submitted to AISHE:</b>	Yes
Year of Submission	2018
Date of Submission	08-Jan-2018
<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description 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	Nill	Electronics and Telecommunication Engineering	17/03/2017
No file uploaded.			

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	Nill	Nill	Nill
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
No Data Entered/Not Applicable !!!		
No file uploaded.		

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	Programme Specialization	Date of implementation of
-----------------------------	--------------------------	---------------------------

CBCS		CBCS/Elective Course System
BTech	Electronics and Telecommunication Engineering	Nil
BTech	Mechanical Engineering	Nil
BTech	Electrical Engineering	Nil
BTech	IT Engineering	Nil
BTech	Civil Engineering	Nil
BTech	Computer Engineering	Nil
BTech	Chemical Engineering	Nil
BTech	Petrochemical Engineering	Nil

### 1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
<b>No Data Entered/Not Applicable !!!</b>		
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
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
<p>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</p>

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	Petrochemical Engineering	60	Nil	60
BTech	Chemical Engineering	60	Nil	64
BTech	Information Technology	60	Nil	62
BTech	Computer Engineering	60	Nil	67
BTech	Civil Engineering	60	Nil	61
BTech	Electronics and Communication Engineering	120	Nil	124
BTech	Electrical Engineering	60	Nil	62
BTech	Mechanical Engineering	60	Nil	64

No file uploaded.

### 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	Nil	Nil

### 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	Number of smart classrooms	E-resources and techniques used
119	119	Nil	Nil	Nil	Nil

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	Nil

## 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	Nil	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
<b>No Data Entered/Not Applicable !!!</b>			
No file uploaded.			

## 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
Mtech	Nil	VI	Nil	10/09/2018
Mtech	Nil	I, III	Nil	14/02/2018
BTech	Nil	II, IV, VI, VIII	Nil	20/07/2018
BTech	Nil	I, III, V, VII	Nil	21/02/2018
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
<b>No Data Entered/Not Applicable !!!</b>		

## 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)

<a href="https://dbatu.ac.in/">https://dbatu.ac.in/</a>
---

### 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
Nill	BTech	Mechanical Engineering	74	74	100
Nill	BTech	Electronics and Telecommunication Engineering	155	132	85.16
Nill	BTech	Civil Engineering	79	74	93.67
Nill	BTech	Information Technology Engineering	74	60	81.08
Nill	BTech	Chemical engineering	75	68	90.67
Nill	BTech	PetroChemical Engineering	71	67	94.36
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)

<https://dbatu.ac.in>

## 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
No Data Entered/Not Applicable !!!				
No file uploaded.				

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
No Data Entered/Not Applicable !!!				
No file uploaded.				

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
No Data Entered/Not Applicable !!!					
No file uploaded.					

### 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)
No Data Entered/Not Applicable !!!			

No file uploaded.

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
No Data Entered/Not Applicable !!!			
No file uploaded.			

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
"Identification of snake type from image	Mohini N. Sheth, Dr. Sanjay L. Nalbalwar, Dr. Anil B. Nandgao nkar	International Journal of Electrical , Electronics and Data Communication, ISSN(p): 2320-2084, ISSN(e): 2321-2950 Volume-6, Issue-6,	2018	Nil	Nil	Nil
"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	Nil	Nil	Nil
"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	Nil	Nil	Nil
Compact MIMO Antenna	Pratima C. Nirmal, Anil Nandg	Progress in Electromagnetics	2017	Nil	Nil	Nil

with Improved Isolation for 3G, 4G, Wi-Fi, Bluetooth and UWB Applications	aonkar, Sanjay Nalbalwar and Rajiv K. Gupta	Research C, Vol. 76, 87-98, 2017				
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	Nil	Nil	Nil
Detection of Speaker identities from co-channel speech signal	Pallavi Ingale and Dr. S.L. Nalbalwar	WSEAS Transactions on Signal Processing, ISSN/E-ISSN 1790-5052/2224-3488, Volume 14, 2018, Art. 66, pp 43-49	2018	Nil	Nil	Nil
Analysis Modification on synthesis based Optimized Modulation Spectral Subtraction for speech, enhancement	Pavan Paikrao and Dr. S.L. Nalbalwar	International Journal of Circuits, Systems and Signal Processing ISSN: 1998-4464, Vol. 11, 2017pp. 343-352	2018	Nil	Nil	Nil
Fusion Execution of NaCl on Tree-Shaped MSA	S.V. Khobragade, Dr. S.L. Nalbalwar, Dr. A.B. Nandgaonkar	International Journal of Antennas and Propagation Volume 2018, Article ID 4965627, pp 1-6, <a href="https://doi.org/10.115">https://doi.org/10.115</a>	2018	Nil	Nil	Nil

		5/2018/496 5627				
Experimental Investigation of Surface Topography in Photochemical Machining of Inconel718	Nitin D. Misal, Atul R. Saraf, and Mudigonda Sadaiah	Materials and Manufacturing Processes, <a href="http://dx.doi.org/10.1080/10426914.2017.1317786">http://dx.doi.org/10.1080/10426914.2017.1317786</a> , Taylor and Francis	2017	Nil	Nil	Nil
Surface integrity and sustainability assessment in high-speed machining of Inconel 718 - An eco-friendly green approach	Ganesh Kadam, Raju S. Pawade	Journal of Cleaner Production, Elsevier, Vol. 147, 2017, pp. 273-283.	2017	Nil	Nil	Nil
No file uploaded.						

### 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	25	Nil	Nil	Nil
Presented papers	20	2	Nil	Nil
Resource persons	1	Nil	Nil	Nil
No file uploaded.				

## 3.5 – Consultancy

### 3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)

Nil	Nil	Nil	620000
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
No Data Entered/Not Applicable !!!				
No file uploaded.				

### 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
Annual NCC Camp	NCC	Nil	50
Blood Donation Camp	NSS	Nil	250
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
No Data Entered/Not Applicable !!!			
No file uploaded.			

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

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

### 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
No Data Entered/Not Applicable !!!			
No file uploaded.			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
-------------------	----------------------	---	---------------	-------------	-------------

No Data Entered/Not Applicable !!!

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	Nil	enhancing skill training and certification in electrical engg and industrial automation to the employees of M/S CEAT India Ltd	Nil
Institute of Electronics Information Technology (NIELIT)	15/06/2018	Nil	Nil
Maritime Research Centre, Indian Maritime Foundation, Pune h	01/12/2017	Nil	Nil
Millionminds Ecosystem, Mumbai	13/03/2018	Entrepreneurship and Start-up Support	Nil
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.	Nil
BIOTRONICS	15/06/2018	to start joint research activity between industry and University in the area of Healthcare Technology	Nil

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
Nil	80.05

### 4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar halls with ICT facilities	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
<a href="#">View File</a>	

## 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
Opaq	Partially	Nil	2017

### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	38273	Nil	606	Nil	38879	Nil
Reference Books	6239	Nil	117	Nil	6356	Nil
Journals	Nil	Nil	99	Nil	99	Nil
e-Journals	Nil	Nil	8	Nil	8	Nil
CD & Video	508	Nil	Nil	Nil	508	Nil
<a href="#">View File</a>						

### 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
<b>No Data Entered/Not Applicable !!!</b>			
No file uploaded.			

## 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
<b>Total</b>	<b>437</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>31</b>	<b>323</b>	<b>100</b>	<b>30</b>

#### 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
<b>No Data Entered/Not Applicable !!!</b>	

### 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
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 implementation	Number of students enrolled	Agencies involved
<b>No Data Entered/Not Applicable !!!</b>			
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 passed in the comp. exam	Number of students placed
2018	GATE coaching	155	Nil	Nil	Nil
2018	expert talk and training programs	Nil	426	Nil	Nil
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	Nil

## 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
7	150	19	13	Nil	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	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	B. Tech.	Electronics and Telecommunications Engineering	Nil	Nil
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
University Sports 1	Institute	500
Abhiyanta Vasant 1	Institute	632
Cynosure 2K18 1	Institute	200
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	Nil	National	8	Nil	Nil	Nil
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:

No Data Entered/Not Applicable !!!

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

No Data Entered/Not Applicable !!!

#### 5.4.4 – Meetings/activities organized by Alumni Association :

No Data Entered/Not Applicable !!!

## 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
Admission of Students	<p>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</p>
Industry Interaction / Collaboration	<p>While framing the curricula, it is necessary to ensure that the curricula are relevant for the industry, research</p>

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

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.

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)

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.

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.

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.

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.

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

E-governance 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
<b>No Data Entered/Not Applicable !!!</b>				
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 programme	Title of the administrative training programme	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
------	---	--	-----------	---------	---	---

	organised for teaching staff	organised for non-teaching staff				
Nil	FDP on Recent Trends in Signal Representation: A Multirate Approach	Nil	06/11/2017	17/11/2017	30	Nil
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 Software Architecture	2	12/04/2018	17/04/2018	Nil
FDP on Cyber Security by RUSA	1	12/03/2018	22/03/2018	Nil
FDP on Data Science and R programming, COEP	1	18/12/2017	22/12/2017	Nil
FDP on Pedagogic Techniques	1	20/01/2018	21/01/2018	Nil
No file uploaded.				

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)

No Data Entered/Not Applicable !!!

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	Funds/ Grnats received in Rs.	Purpose
----------------------------	-------------------------------	---------

funding agencies /individuals		
<b>No Data Entered/Not Applicable !!!</b>		
No file uploaded.		

6.4.3 – Total corpus fund generated

**No Data Entered/Not Applicable !!!**

**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	Null	Yes	IQAC
Administrative	Yes	Null	Yes	IQAC

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

**No Data Entered/Not Applicable !!!**

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

Feedback on regular basis Supporting the University vision and mission

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)

**No Data Entered/Not Applicable !!!**

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
<b>No Data Entered/Not Applicable !!!</b>					
No file uploaded.					

**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
<b>No Data Entered/Not Applicable !!!</b>				

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	Nil
Scribes for examination	Yes	Nil

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
<b>No Data Entered/Not Applicable !!!</b>							
No file uploaded.							

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

Title	Date of publication	Follow up(max 100 words)
<b>No Data Entered/Not Applicable !!!</b>		

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
<b>No Data Entered/Not Applicable !!!</b>			
No file uploaded.			

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

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

### 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 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/>

### 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