



YEARLY STATUS REPORT - 2020-2021

| Part A | |
|--|--|
| Data of the Institution | |
| 1.Name of the Institution | Dr. Babasaheb Ambedkar Technological University, Lonere |
| • Name of the Head of the institution | Prof. V. R. Sastry |
| • Designation | Vice-Chancellor |
| • Does the institution function from its own campus? | Yes |
| • Phone no./Alternate phone no. | 02140275101 |
| • Mobile no | 9545949200 |
| • Registered e-mail | vc@dbatu.ac.in |
| • Alternate e-mail address | registrar@dbatu.ac.in |
| • City/Town | Lonere Raigad |
| • State/UT | Maharashtra |
| • Pin Code | 402103 |
| 2.Institutional status | |
| • University | State |
| • Type of Institution | Co-education |
| • Location | Rural |

| | | | | | |
|---|---|----------------|-----------------------------|---------------|-------------|
| • Name of the IQAC Co-ordinator/Director | Dr. S. L. Nalbalwar | | | | |
| • Phone no./Alternate phone no | 02140275142 | | | | |
| • Mobile | 9423178000 | | | | |
| • IQAC e-mail address | slnalbalwar@dbatu.ac.in | | | | |
| • Alternate Email address | deanfoet@dbatu.ac.in | | | | |
| 3.Website address (Web link of the AQAR (Previous Academic Year)) | https://dbatu.ac.in/internalqualityassurancecell/ | | | | |
| 4.Whether Academic Calendar prepared during the year? | Yes | | | | |
| • if yes, whether it is uploaded in the Institutional website Web link: | yes | | | | |
| 5.Accreditation Details | | | | | |
| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
| Cycle 1 | B | 2.35 | 2015 | 03/03/2015 | 02/03/2020 |
| 6.Date of Establishment of IQAC | | | 21/10/2011 | | |
| 7.Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc. | | | | | |
| Institution/ Department/Faculty | Scheme | Funding agency | Year of award with duration | Amount | |
| Nil | Nil | Nil | Nil | Nil | |
| 8.Whether composition of IQAC as per latest NAAC guidelines | | | Yes | | |
| • Upload latest notification of formation of IQAC | | | View File | | |
| 9.No. of IQAC meetings held during the year | | | 1 | | |
| • The minutes of IQAC meeting and compliance to the decisions have been uploaded on the institutional website. (Please upload, minutes of meetings and action taken report) | | | Yes | | |

| | | |
|---|------------------|--|
| <ul style="list-style-type: none"> (Please upload, minutes of meetings and action taken report) | No File Uploaded | |
| 10. Whether IQAC received funding from any of the funding agency to support its activities during the year? | No | |
| <ul style="list-style-type: none"> If yes, mention the amount | | |
| 11. Significant contributions made by IQAC during the current year (maximum five bullets) | | |
| <p>Implementation of Swayam/NPTEL online courses in the University for the benefit of students, IT integration in the conduct of examination and its processing, 19 candidates completed Ph.D., a significant amount of revenue generated from consultancy and corporate training during the year (INR in lakhs): Rs.42,40,754/-, 35 extension and outreach programs conducted by the institution like NSS/NCC/Red cross/YRC during the year.</p> | | |
| 12. Plan of action chalked out by the IQAC in the beginning of the Academic year towards Quality Enhancement and the outcome achieved by the end of the Academic year | | |
| <div style="text-align: center; font-size: 48px; opacity: 0.1; pointer-events: none;"> N/A </div> | | |

| | |
|--|---|
| Plan of Action | Achievements/Outcomes |
| Implementation of Swayam/NPTEL online courses in the University for the benefit of students, | Extensive use of online tools for teaching during pandemic period |
| Use ICT enabled tools including online resources by the teachers for effective teaching and learning processes during the year | Due to COVID-19 restrictions teachers used extensively the online platforms like Google Meet, Zoom, and WebEx for delivering lectures |
| IT integration and reforms in the examination procedures and processes | Continuous assessment and Online mode of examinations (mid-sem and end-sem exams). The IT integrations have modernized the entire examination process |
| Innovations like incubation center for transfer of knowledge | Developing and nurturing the culture of creation of entrepreneurs |
| Workshops/seminars on Research methodology, Intellectual Property Rights, entrepreneurship, skill development | Conducted 19 workshops/Seminars |
| 13. Whether the AQAR was placed before statutory body? | Yes |
| <ul style="list-style-type: none"> Name of the statutory body | |
| Name | Date of meeting(s) |
| Executive Council | 24/03/2022 |
| 14. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to Assess the functioning? | No |
| 15. Whether institutional data submitted to AISHE | |
| Year | Date of Submission |
| 2021 | 05/05/2022 |

| Extended Profile | |
|--|-------------|
| 1.Programme | |
| 1.1 Number of programmes offered during the year: | 15 |
| 1.2 Number of departments offering academic programmes | 8 |
| 2.Student | |
| 2.1 Number of students during the year | 2170 |
| 2.2 Number of outgoing / final year students during the year: | 666 |
| 2.3 Number of students appeared in the University examination during the year | 2999 |
| 2.4 Number of revaluation applications during the year | 0 |
| 3.Academic | |
| 3.1 Number of courses in all Programmes during the year | 960 |
| 3.2 Number of full time teachers during the year | 118 |
| 3.3 Number of sanctioned posts during the year | 95 |
| 4.Institution | |
| 4.1 Number of eligible applications received for admissions to all the | 428 |

| | |
|---|-----|
| Programmes during the year | |
| 4.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year | 231 |
| 4.3 Total number of classrooms and seminar halls | 30 |
| 4.4 Total number of computers in the campus for academic purpose | 406 |
| 4.5 Total expenditure excluding salary during the year (INR in lakhs) | 654 |

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the University

The University follows a systematic process in designing and developing the curriculum. The approving authorities for the University are Board of Studies (BoS), Academic Council (AC) and Executive Council (EC). The programmes are structured to provide a solid basis in Engineering and Technology, Humanities, and Sciences. The courses are designed to improve human dignity, skills, employability and competency building, creativity/innovation and open thinking, cultural diversity, gender equality, respect for nature and environmental consciousness, democratic, participatory and ethical approach and team building through improved interpersonal communication. Several new courses are in place based on the feedback of students, alumni, employers and experts from academia and industry. The latest courses on AI, Machine Learning, Data Science and IoT are offered by Departments of Computer Engineering, Information Technology and Electronics and Telecommunication Engineering. The Department of Mechanical Engineering has designed a course on Fundamentals of Automobile Design with the help of Tata Technologies, Pune to improve the employability. The CBCS and OBE with good number of electives as well as POs/PSOs/COs designed for all programs and are published on

the web site as well as placed in the respective department and the awareness has been created among the students.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

08

| File Description | Documents |
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| Upload the data template | View File |
| Upload relevant supporting document | View File |

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year

97

| File Description | Documents |
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| Upload the data template | View File |
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1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

62

| File Description | Documents |
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| Upload the data template | View File |
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1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

15

| File Description | Documents |
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| Upload the data template | View File |
| Upload relevant supporting document | View File |

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The University is fully aware of the fact that for holistic development of students, it is necessary to give enough attention to extra- and co-curricular activities along with sound curriculum. Courses such as self-study seminar, technical project on community services (group project) and final year project (group project), industrial training and internship and industrial visits promote self- and participatory learning. In addition, assignment, quizzes, course seminars also promote self- and participatory learning. In addition to the above, the curriculum also consists of courses like Universal Human Rights, Environmental Engineering etc. to enrich the students learning and experience.

In addition, some branches have Students' Chapters of some professional associations, e.g., ISHRAE, SAE-India Club, etc. These chapters conduct various activities throughout the year. These activities also promote all-round development of the students. Thus, through the above activities, the students develop traits such as learning on one's own, learning from others, learning to learn which are essential attributes for life-long learning.

| File Description | Documents |
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| Upload relevant supporting document | View File |

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

48

| File Description | Documents |
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| Upload the data template | View File |
| Upload relevant supporting document | View File |

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above**1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year**

1035

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

1.3.4 - Number of students undertaking field projects / research projects / internships during the year

1166

| File Description | Documents |
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| Upload the data template | View File |
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1.4 - Feedback System**1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni**

- Any 3 of the above

| File Description | Documents |
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| Upload relevant supporting document | View File |

1.4.2 - Feedback processes of the institution may be classified as follows

- Feedback collected

| File Description | Documents |
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| Upload relevant supporting document | View File |

TEACHING-LEARNING AND EVALUATION**2.1 - Student Enrollment and Profile****2.1.1 - Demand Ratio****2.1.1.1 - Number of seats available during the year**

580

| File Description | Documents |
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| Upload the data template | View File |
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2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

219

| File Description | Documents |
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2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

- Our university believes in outcome-based learning processes. Advanced learners and slow learners are categorized by their responses in class room and performance in the examinations.
- The institution organizes Orientation/Induction programme for freshers at institute level and departmental level. The facilities in the college and the scope of the subjects being learnt are introduced in these sessions.
- Advanced learners are encouraged to refer latest versions of reference books and journal papers for their advanced studies. They are given opportunities to be part of innovative projects and other technical initiatives of the institute. They are encouraged to participate in Hackathons, Paper Presentations, Project Competitions and Summer Projects and Internships. They also helps slow learners through peer learning. Gold Medals are awarded to the toppers in the University Convocation. Training and Placement Cell invites Companies to hold their placement drive at the University.

Slow learners are provided Remedial Classes to improve their academic performance which helps them to improve subject knowledge catch up into their peers. Group Study System is also encouraged

with the help of the advanced learners. Personal counselling is also given to them by the tutor, mentor. Lecture notes/course materials are provided to the slow learners.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |
| Link For Additional Information | Nil |

2.2.2 - Student - Full time teacher ratio during the year

| Number of Students | Number of Teachers |
|--------------------|--------------------|
| 2170 | 118 |

| File Description | Documents |
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| Upload relevant supporting document | View File |

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences

- The University practices a teaching methodology which focuses on imparting education through a student centric approach. This methodology helps to transform students from being relegated to the role of passive recipients to active and involved stake holders, apart from boosting their confidence and encouraging independence.
- Interactive Methods: One of the important aspects of teaching learning process to inclusiveness of the students in all respect while teaching learning to make it more interactive and effective. While teaching the subject in ONLINE mode care was taken to make the students attentive by including the practical and real life examples. After each assessment tests, the model solutions were discussed through chat box.
- Student Seminars: The Student seminars are organized and papers are presented by students to enrich their learning experience.
- Internship: Internship aims at enabling the students to get a practical exposure to the working of the industry by providing an opportunity to supplement their classroom learning with

practical experience

- Project method and Problem-solving Methodology: B-Tech Project (BTP), three or four students are asked to work in a group to solve a particular problem. Students have to discuss given problem to find out the solution.

| File Description | Documents |
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| Upload relevant supporting document | View File |

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

- The teachers use various educational technologies to support classroom teaching. In the year 2020-21 due to COVID-19 restrictions teachers used online technology like Google Meet, Zoom, and WebEx for delivering lectures. The college has subscribed the ZOOM, WebEx application .For small classrooms the teachers used Google Meet or WebEx platforms. To supplement and promote the continuous internal evaluation the various department used Google forms to conduct online quiz. Google Classrooms are used by the department to share the PPTs, videos, web links and online quizzes in Google form.
- The handouts/notes were prepared in advance and teaching was done using the scanned notes. However, Digital Slate, chat box was used during explanation. Before the class, the link was shared to the students. Standard links such as NPTEL/SWAYM were also shared to the students for self learning and open discussion was arranged to make the online learning more inclusive and live.
- The online resources like NPTEL are extensively used for enhancing the teaching-learning process. To explain a particular concept, YouTube videos are used. virtual labs experiments are used to conduct the practical.
- Overall, the ICT enabled online resources are very much useful for enhancing the teaching -learning process.

| File Description | Documents |
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2.3.3 - Ratio of students to mentor for academic and other related issues during the year

2.3.3.1 - Number of mentors

| File Description | Documents |
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2.4 - Teacher Profile and Quality

2.4.1 - Total Number of full time teachers against sanctioned posts during the year

118

| File Description | Documents |
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2.4.2 - Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. during the year

42

| File Description | Documents |
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| Upload the data template | View File |
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2.4.3 - Total teaching experience of full time teachers in the same institution during the year

2.4.3.1 - Total experience of full-time teachers

1209

| File Description | Documents |
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| Upload the data template | View File |
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2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year

2

| File Description | Documents |
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2.5 - Evaluation Process and Reforms

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

102

2.5.1.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the year

102

| File Description | Documents |
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| Upload the data template | View File |
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2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

0

| File Description | Documents |
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| Upload relevant supporting document | No File Uploaded |

2.5.3 - IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

Dr. Babasaheb Ambedkar Technological University is a completely ICT enabled University and everything related to the examination system are run through ICT. The IT integrations have modernized the entire examination process and have speeded up the functioning mechanism, while making the whole process more transparent.

- The university has revised the academic curriculum for all the programs to introduce following examination reforms.
- Introduction of Continuous Assessment: This reform has empowered teachers to adopt course specific assessment methods. Teachers have started adopting different assessment

methods beyond written examinations. These include presentations, mini-projects, course seminars and surprise tests or online quizzes.

- **Introduction of Mid Semester Examination:** A comprehensive mid-semester examination is conducted based on 50% syllabus covered during the semester.
- **Online Mode of examination:** Most of the internal assessment is being carried out through online quizzes and presentation

The introduction of these reforms has resulted in better student engagement and student progression from year to year. This also resulted in reduced importance to the end semester examination and undue stress caused by the end semester examination.

| File Description | Documents |
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2.5.4 - Status of automation of Examination division along with approved Examination Manual

A. 100% automation of entire division & implementation of Examination Management System (EMS)

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

2.6 - Student Performance and Learning Outcomes

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

Our University has implemented Outcome Based Education for all the courses under its purview. The care has been taken to create wide awareness about the Learning Outcomes and the Graduate Attributes among all our stake-holders. The students are made aware about this during the Induction Program right at the beginning of their course. Additionally the Learning Outcomes and the Graduate Attributes are the standard parts of the curricula documents. The COs are also well documented in the curricula at the beginning of each Subject/Lab along with the correlation matrix with the Program Outcomes. Every teacher at the beginning of the subject/topic informs the students about COs/POs related to the Subject, Lab Activity.

The University has adopted Continuous Assessment System since long. This gives liberty to the teachers to ensure achievement of COs through various methods of assessment such as quizzes, mini projects, seminars presentations, case studies, group discussions or any other innovative methods of evaluation.

The End Semester paper setters and evaluators are informed well in advance about the Outcome Based Evaluation system for evaluation and also advised to set the question papers, Assignments, Lab Activities by specifying expected COs and the levels of Bloom's Taxonomy.

Web-link for syllabi

<https://dbatu.ac.in/academic-year-2020-2021/>

| File Description | Documents |
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| Upload relevant supporting document | View File |

2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year

During this Academic year, due to the COVID pandemic as the students were off the campus, it was really difficult to evaluate the COs and POs. However, this difficulty was converted into challenge by the innovative teaching and evaluation methods used by the Faculty members at the University. Depending on the nature and contents of the theory and lab courses, the assignments, quizzes, and activities were planned by the faculty members so as to ensure that the students are capable of attaining the COs and POs thereon. The attainment of POs, PSOs, and COs are evaluated through continuous evaluation and End Semester Examination. There are two continuous evaluations namely CA1 and CA2 of each 10 marks. One mid-term examination of 20 marks. There is an end semester examination of 60 marks to assess the overall understanding of the subject. This examination is done in an online mode. Care has been taken so that the questions are well spread over the whole syllabus and the COs and POs are fulfilled. To attain the subject specific POs, PSOs, and COs, many practical oriented questions are asked during teaching, given assignments and online quizzes etc.

| File Description | Documents |
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2.6.3 - Number of students passed during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

656

| File Description | Documents |
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| Upload the data template | View File |
| Upload relevant supporting document | No File Uploaded |

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a web link)

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

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented

Research Equipments purchased under TEQIP-III:

Probe Sonicator, Fixed Bed cum Simulated Moving Bed Chromatographic Reactor Assembly, ISHRAE Energy software, Cutting tool dynamometer, Software Defined Radio, Hydrogen Gas Generator, Surface roughness tester, Electrical machine Open lab set up, Reaction torque sensor, Data Science Lab pack, Chroma Cloth with Installation, C Frame for Chroma Cloth, FTIR Spectrometer, Reagents for synthesis, Reagents and solvents for synthesis, Metallurgical microscope, Signal Generator 20 GHz with pulse modulation.

| File Description | Documents |
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3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

0

| File Description | Documents |
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| Upload the data template | View File |
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3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

0

| File Description | Documents |
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3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

25

| File Description | Documents |
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| Upload the data template | View File |
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3.1.5 - Institution has the following facilities to support research

Central Instrumentation
Centre Animal House/Green House Museum
Media laboratory/Studios Business Lab
Research/Statistical Databases Moot court
Theatre Art Gallery

D. Any 1 of the above

| File Description | Documents |
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3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

0

| File Description | Documents |
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3.2 - Resource Mobilization for Research

3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the year (INR in Lakhs)

6.84 Lakhs

| File Description | Documents |
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3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

761 Lakhs

| File Description | Documents |
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| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year

5/51

| File Description | Documents |
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| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

The DBATU FORUM OF INNOVATION INCUBATION AND ENTERPRISE Incorporated

as Section 8 company on 4th November 2019 the Corporate Identity Number of the company is (CIN No-U85300MH2019NPL332513). It will provide an ecosystem to enterprising students and immediate alumni of the University, its affiliated colleges and other emerging technology based businesses that would support their start-up phase and increase their likelihood of success. It will provide working space, flexible lease, common office and laboratory facilities, business guidance, mentoring, and other technical resources in network mode at the Main Centre of the University.

The Incubation Centre is able to host approximately six to ten clients at a time in a proposed 5,000 square feet facility that would include a mix of office and lab space & necessary infrastructure for prototype building & legal support. The facility is owned by the University and State of Maharashtra. The grant of Rs. 5 Cr is sanctioned by GoM for the duration of 5 Years, out of which first tranche/installment of Rs. 25 Lakh is received by the company. Looking into performance of 2020-21 second installment of Rs. 50 lakh against sanctioned amount will be released soon.

The presence of Centre on the University campus, as Startup Ecosystem, is motivating the young engineers to become job provider rather than job seeker. This culture of creation of entrepreneurs is being propagated to colleges affiliated to the University.

| File Description | Documents |
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| Upload relevant supporting document | View File |

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

19

3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year

19

| File Description | Documents |
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| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

4

| File Description | Documents |
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3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following **A. All of the above**

1. Inclusion of research ethics in the research methodology course work
2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)
3. Plagiarism check
4. Research Advisory Committee

| File Description | Documents |
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| Upload relevant supporting document | View File |

3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards **E. None of the above**
 Commendation and monetary incentive at a University function
 Commendation and medal at a University function
 Certificate of honor
 Announcement in the Newsletter / website

| File Description | Documents |
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| Upload the data template | View File |
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3.4.3 - Number of Patents published/awarded during the year

3.4.3.1 - Total number of Patents published/awarded year wise during the year

1

| File Description | Documents |
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3.4.4 - Number of Ph.D's awarded per teacher during the year**3.4.4.1 - How many Ph.D's are awarded during the year**

26

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
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3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year

2

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
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3.4.6 - Number of books and chapters in edited volumes published per teacher during the year**3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year**

1

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

**3.4.7 - E-content is developed by teachers For e- E. None of the above
PG-Pathshala For CEC (Under Graduate) For**

SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.4.8 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

| Scopus | Web of Science |
|--------|----------------|
| 3.80 | 5.43 |

| File Description | Documents |
|---|---------------------------|
| Any additional information | View File |
| Bibliometrics of the publications during the year | View File |

3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

| Scopus | Web of Science |
|--------|----------------|
| 9 | 8 |

| File Description | Documents |
|--|---------------------------|
| Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution | View File |
| Any additional information | View File |

3.5 - Consultancy

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy

Consultancy is well recognized as an effective way for universities to disseminate knowledge and make an early and direct impact on society. However, the balance between consultancy and the traditional roles of the academic staff needs to be managed and the interests of the University must be protected. This Policy provides

provisions for conducting consultancy to ensure that consultancies undertaken by staff are consistent with the University's strategic and operational objectives and the costs are sustainable. All Research and Non-research consultancies as described in this Policy are governed by the following guiding principles: (a) There should be a demonstrable benefit to the University from the consultancy through income, enhanced reputation, and/or expansion the expertise of the staff member. (b) The Consultancy must not be in conflict with University policies including that governing employment; such as the Code of Conduct Policy. (c) The Consultancy must not be in conflict with the functions, objectives or interests of the University or damage the University's reputation. (d) At a minimum, the salary and on-cost charges set by the University must be applied to all project budgets. All Consultancies are required to include overheads

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

4240754

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year

The University has made noteworthy contribution to the society and environment through the active participation of NSS volunteers in the activities organized at neighborhood villages. Major Emphasis was given on holistic development of students. Villages were facing issues of uncleanliness, unhygienic and important issue of open defecation. Lack of awareness is noted among the villagers on issues such as health, education, government schemes etc. Techno-social survey was carried out in the nearby villages. The university

organized cleanliness drive, tree plantation and awareness drives in the nearby villages on social issues such as gender equality, save girl child, drug addiction, eradicating superstitions, farmers suicides etc. Further, NSS students created awareness about the various government schemes through 'Yuwa Mahiti Doot App' prepared by Government of Maharashtra.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

3.6.2 - Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the year

3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year

7

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

35

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

1512

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

13

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.7.2 - Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the year

4

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

The university has state-of-the-art infrastructure that facilitates effective teaching and learning for all programs

1. The university has total of 21 classrooms, 49 laboratories, nine seminar halls, and one computer center for all

thedeptments. one studio common to all departments and departmental library wherever feasible.

2. In 2020-21, the university has created an Incubation center for guiding students for their startups and developing themselves as entrepreneurs. Various facilities include corridor wi-fi, digital TV displays, and CCTV.

Seminar Halls:

Few departments have their own seminar halls well equipped with ICT facilities

Facilities for the Teachers:

1. Faculty members are provided desktop PCs, and printer facility for most of the faculty members
2. The university promotes to use free and open source software (FOSS).

Modern Classrooms:

Almost all the classrooms are equipped with an internet facility, few classrooms are wifi enabled with Projector, and audio system.

Well-Equipped Laboratories:

1. All laboratories are fully ventilated, LAN and few are Wi-Fi enabled, well furnished with the necessary and latest equipment and machinery with more than adequate number and space for free circulation.
2. Computer laboratories including computer center are equipped with latest configuration branded PCs and also few required licensed software.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

4.1.2 - The institution has adequate facilities for cultural activities, yoga, games (indoor, outdoor) and sports. (gymnasium, yoga centre, auditorium, etc.)

Following facilities are in place in the university. Students' activities are promoted through the Sport Department and Cultural Committee.

Playground which is suitable for following outdoor game playing:

1. Kabaddi
2. Kho-Kho
3. Volleyball Court
4. Cricket
5. Football
6. Handball
7. Basketball
8. Athletic

The university also has adequate facilities for the following indoor sports:

1. Table tennis
2. Badminton
3. Chess
4. Carrom

The university has a cultural activity cell in place and it plays an active role in promoting various activities within the university department. However, due to the pandemic situation of COVID-19 in 2020-21, these activities could not be conducted as students were not on the campus.

Yoga

The university conducts Yoga activities under the aegis of NCC unit. . In spite of pandemic situations, in the year 2020-21, the University NCC unit successfully organized an online program. Although it was an online program there was no lack of enthusiasm among the cadets.

The university hostels are having very good facilities for the gymnasium. However, due to lockdown, hostels were closed so no activities were conducted in the year 2020-21.

Auditorium

The university has a state-of-the-art auditorium with 10383 sq.ft. area whose development is in its last stage.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

4.1.3 - Availability of general campus facilities and overall ambience

Dr. Babasaheb Ambedkar Technological University, Lonere has campus area of nearly 467 Acres. The campus has different facilities for the students, teachers and supporting staff.

Hostels for students:-

Currently three hostels for girls are under construction. One of the units is completed which has the capacity of 160 students. But due to recent Covid-19 situation, the University has handed over this building to health department of Government of Maharashtra.

Hostel Name

Built-up area (Sq.m)

Capacity

Gangangiri (Boys)

6057.00

480

Sahyagiri (Boys)

4852.00

360

Dhavalgiri (Girls)

4500.00

210

Malaygiri (Girls)

4500.00

206

Staff quarters:-

Quarters Name

Built-up area (Sq.m)

No. of Flats

Professor Quarters (Krishan, Kaveri, Vaingang, Panchganga)

3900.00

32

Administrative Staff Quarters (Indrayani, Godavari, Savitri)

2970.00

24

Class-III Staff Quarters (Gomati, Sabaramati, Saraswati)

2230.00

36

Class -IV Staff quarters (Chandrabhaga)

660.00

16

Guest House:-

University has guest house named as 'Anandvan'. It can accommodate upto 44 persons. Its built up area is 1580 sq. m.

Resident facilities for vice Chancellor, Registrar, Dean:-

Name of the Residence

Built-up area (Sq.m)

Vice Chancellor Bungalow

660.00

Registrar Bungalow

Dean Bungalow

Sport Facilities:-

University has basketball grounds, Cricket ground, badminton court, table tennis courts, etc.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

73.33

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

Automation of Library Service: Library is partially automated with the help of LIBMAN software developed by Masters Computer. All the work related to issue and return has been computerized. Most of the books are barcode automation is partially done. All the issue and return transactions of the Library and Book Bank are completely computerized.

Web Opac on Local LAN: Library has own OPAC this can be operated within the campus premises by clicking in <http://dbatulibrary/webopac> or <http://172.16.5.238/opac>. Besides listing all the books available in the library, it allows the facility like self renew, reservation, Fine calculations, status of particular Books, particular students. It is searchable by Author, Title, Acc. No. and several other fields.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases

B. Any 3 of the above

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)

0

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)

20

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

4.3 - IT Infrastructure

4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year

24

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

4.3.2 - Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

To meet the requirements of 'Dr. Babasaheb Ambedkar Technological University IT Usage Policy' the Cyberoam - CR300i unified threat management appliance is used. User connectivity, infrastructure security, and their governance are maintained by the Cyberoam CR 300i's features like Stateful Inspection Firewall, Gateway Antivirus and Spyware, Gateway Anti-Spam, Intrusion Prevention System, Web-Filtering, Bandwidth Management, Multiple Link Management, Comprehensive Reporting.

University Network Infrastructure has 2 Gateways

1) NKN/BSNL Gateway (1 Gbps)

2) Railtel Gateway (10 Mbps)

Name

IP Address

Interface

Type

Activate on Failure of

Weight

NKN

14.139.120.1

PortF - 14.139.120.2/255.255.255.240

Active

N/A

1

Railtel

203.153.39.169

PortB - 203.153.39.173/255.255.255.248

Backup

NKN gateway

NA

Whenever a user connects a device to the University Network Infrastructure he/she is assigned an IP address from the pool and then to access the Internet the login-ID and Password is asked for authentication by Cyberoam Server. All further communication are governed by Cyberoam Server using various policies as follows:

- 1) User Account Distribution and Usage QoS Policy
- 2) Web-Filter Policy
- 3) Application Filter Policy

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

4.3.3 - Student - Computer ratio during the year

| | |
|--------------------|---|
| Number of students | Number of Computers available to students for academic purposes |
| 2390 | 406 |

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line) • ?1 GBPS

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing C. Any 2 of the above

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |
| Upload the data template | View File |

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

160.15 Lakhs

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

1. Following process is carried out for physical maintenance. This tender process is mainly divided into two parts,

1. Offline / A1- Tenders

These tenders are useful for carrying out minor maintenance works costing up to Rs.8lakhs. It is advertised on university website.

1. Online / E- Tenders

These tenders are useful for major maintenance/ new works (up to 25 Lakhs) costing more than 10 lakhs. They are given wide publicity in local and state level newspaper.

1. E-tenders

These tenders are useful for major maintenance work/new major work costing upto Rs. 25 Lakhs. They are given wide publicity at local daily and state daily.

In addition to these two, work costing more than Rs. 25 lakhs are carried out with the help of PWD.

1. LABORATORY: Departments regularly maintains the laboratory equipments by checking the working status of instruments. Maintenance is carried out by the laboratory assistants. Lab Technicians are maintaining dead stock, consumables, semi consumable materials, log book.
2. ACADEMIC AND SUPPORT FACILITIES: Department organizes workshops, guest lectures, seminars for development of students. The departmental project and seminar coordinators are maintaining all projects and seminar records. Department office maintains all academic documents such as master, individual teacher's, class room, laboratory time tables, monthly review of number of lectures and practical conducted by teachers, a copy of unit test examination time table, student's feedback reports.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

1733

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

770

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology

A. All of the above

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

5.1.4 - The Institution adopts the following for redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organisation wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

• All of the above

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)

5.2.1.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

30

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

5.2.2 - Total number of placement of outgoing students during the year

106

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

22

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter -university/state/national/international events (award for a team event should be counted as one) during the year

0

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | No File Uploaded |

5.3.2 - Presence of Student Council and its activities for institutional development and student welfare

Students have representation on academic and administrative bodies and committees of the University. University also constituted various Clubs and Board of Students Development and extensional activities.

1. **Class Committees:** All programmes have class committees for each course that comprise of student members representing meritorious as well as weak students, along with faculty members nominated by the Head of the Department, other than the course teacher. The Class Committees provide feedback on all aspects of the programme and respective course. Class Committee Meetings are held regularly, at least twice in each semester.
2. **Cultural and Sports Committees:** Students have strong representations in all cultural and sports and games committees. However, activities were hampered by Covid-19 Pandemic.
3. **Organization of Special Events:** Students online organized, and celebrated the National Teachers Day, on Sept. 5, and other National celebrations that include, Independence Day, Republic Day, Engineers Day, Induction Program, Skill Development Program, National yoga Day

However due to Covid-19 pandemic students welfare activities could not be organised.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

5.3.3 - Number of sports and cultural events / competitions organised by the institution during the year

0

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | No File Uploaded |

5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and other support services during the year

The Dr BATU Alumni Association (DBAA) was inaugurated on 26th Jan 2021 and formally completed registration with the Charity Commissioner Alibag on 3rd June 2021(DBATU/REG/Recognition DBAA/2020-21 date 08/01/2021). Over the past year, the DBAA initiated several activities for faculty, current students and alumni. Student activities included provision of internships (around 200), placement assistance (around 20), webinars (around 23 - both subject specific and related to career development) which have helped to establish a strong engagement with students. To further help with internships, DBAA also facilitated a MoU between DBATU and Internshala. For faculty, DBAA is contributing through Alumni Advisors to Departments (to advice on curriculum development, lab development and jobs). For alumni, student and staff members of the DBAA, a website was launched on 23rd Oct 2021 - which acts as the central hub for all alumni activities. Most recently, DBAA is actively pursuing establishment of a Raspberry Pi Lab at DBATU. DBAA has also initiated infrastructure contributions via engagement through tenders for solar grid proposed at DBATU and contributing to discussions concerning Fibre Optic line for enhanced connectivity. DBAA is now working towards establishment of scholarships, support for student digital connectivity and strengthening entrepreneurship activities at DBATU.

- website: www.alumni.dbatu.ac.in

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

5.4.2 - Alumni contribution during the year (INR in Lakhs) E. <1Lakhs

| File Description | Documents |
|-------------------------------------|------------------|
| Upload relevant supporting document | No File Uploaded |

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance

Vision: 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. **Mission:** The University is committed to provide quality technical education, research and development services to meet the needs of industry, business, service sector and the society at large.

The Faculty, Students and Staff are committed to the mission of the University of providing quality technical education and to become a 'Centre of Excellence' in Education.

The University has adopted a number of new initiatives and practices through ingenious leadership and effective governance.

The university has prepared an elaborate 'Strategic Plan' which gives a detailed roadmap for the long-term development and growth of the university as envisaged in the University Act.

The University believes that 'good governance'. In view of this, the university has made several reforms gradually in governance practices. The university has well-structured governing mechanisms as provided in the University Act No. XXIX of 2014. The governance and administration of the university are carried out through various committees such as Executive Council, Academic Council, etc.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

6.1.2 - The effective leadership is reflected in various institutional practices such as decentralization and participative management

The institution promotes the culture of participative management at the strategic level, functional level and operational level. At a strategic level the Governing body, Teachers and the IQAC are involved in defining policies procedures, framing guidelines and rules regulations pertaining to admission, examination, code of conduct-discipline, grievance, support services, finance etc. In functional level faculty members share knowledge among themselves,

students and staff members while working for a committee. Faculty members are involved in joint research and have published papers.

Students and department staff join hands with the HoDs and faculty for the execution of different academic, administrative, extension related, co- and extracurricular activities. Startup, innovation and incubation center is going to be a good example of participative Management.

Similarly, Placement process in the University is driven by the participation of members from Career Development Center (CDC), Faculty and Student Committee on placements.

Moreover, Faculty members of various departments have been given additional responsibilities related to various aspects of the university like Student section, Admission, Examination, Research and development, centralized procurement(CPC), IQAC, Alumni association and Board of studies.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

Dr. Babasaheb Ambedkar Technological University, with its headquarters situated at Lonere, is now a statutory State Technical University established by Government of Maharashtra through special Dr. Babasaheb Ambedkar Technological University Act. The university has been accorded the status of an 'affiliating' university of the entire State of Maharashtra from March 2, 2016, by the Maharashtra Act No. XXIX of 2014.

The Strategic Plan document collates and confers the goals, strategies and performance indicators of the center, every department and affiliating institutes. This information is converted into operating details for each of the functional divisions in terms of priorities, alignment of resources, implementation plan, reporting system and measurement of progress. The strategic plan has been prepared after detailed consultation with various committee

members and authorities as well as by taking consideration of feedback from alumni and industry persons so that it will reflect the expectations and roadmap for scaling new heights of excellence. The strategic plan is effectively deployed in various sectors. One example of successfully implemented activity based on a strategic plan is the formation of a startup, innovation and incubation center to encourage and support establishment and growth of technology-based start-ups which can enable students and faculty to innovate and prototype their potential ideas with industrial standards and support from Government, industry and reputed academic institutions around the world.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The University shall have a decentralized administrative structure of Main center, four Regional Centers at Mumbai, Pune, Aurangabad and Nagpur along with five sub regional centers at Amaravati, Jalgaon, Kolhapur, Nanded, and Solapur. Other Centers may be added over time as needed. The Main Centre shall have four Directors- Academics, Administration, ICT and Research and Development supported by Joint Directors, Registrar, Deans, and Chief Finance Officer in respective areas. The Centres shall look after the functions such as Examination, Research & Development and Industry relations, Training, Student Grievances, etc. The University and Centres shall work through the eGovernance system and MIS with robust State-of-the-Art ICT infrastructure. Apart from the Director's office, Dean's Office and Registrar's office, there is Executive council, academic council, board of examination, board of studies and IQAC which decides the policies, procedure and rules in the respective areas keeping the view of National education policies, government regulations, existing priorities and local needs. Regular feedback obtained from the alumni, students, parents and faculty along with suggestions of NAAC peer team form the major inputs for the planning. These inputs are discussed and analyzed by the executive and academic Council, the registrar, IQAC, and CDC. Finance department, planning and procurement section, Heads of Departments, committee / cell in-charges and office staff, monitor

and work together for the effective implementation of these policies. The organizational structure of the University facilitates its smooth functioning.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering A. All of the above following areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff

Teaching faculty is assessed by means of the Self Appraisal Report submitted at the end of every academic cycle. The objective of the SAR is to highlight faculty member's role and performance for the past year and it also summarizes the expectations from the faculty for future development. The reporting authority reviews the nature & quality of work faculty performed annually based on the parameters such as knowledge, analytical ability, initiative taken, ability to inspire and motivate, supervise, interpersonal relations, and teamwork. Student Feedback is also considered for the evaluation of faculty in the confidential report. The CR plays the most important role along with the training and publication of faculty for promotion under CAS. The IQAC also reviews Administrative and Academic progress so as to review the performance of all the departments and office administration. The university has well defined welfare measures for teaching and non teaching staff such as,

1. Casual or Earned Leave are readily sanctioned to the staff for personal work, medical reason, attending Refresher Course/Orientation Program/seminars etc, maternity leave for female staff
2. Summer and winter Vacation
3. Financial support for teaching faculties to attend conferences, workshops, etc, Festival advance to non teaching staff
4. wifi/internet, canteen, washrooms, CCTV & security staff
5. A well organized cooperative credit society for staff
6. Health care center
7. Women's grievance committee

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

6.3.2 - Total number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

10

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

1

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the year(Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)

44

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The University ensures optimum utilization of funds through various measures such as organizing various academic activities for faculty and staff members, controlling administrative expenses, sharing common facilities among the Departments and Centers. Faculty members are encouraged to apply for projects from Government agencies to carry out their research in the campus. As per the strategy of the University, the activities that need recurring funds and the others that require immediate funding are identified and grouped separately. Innovative strategies are employed for identifying and mobilizing funds. Faculty members are encouraged to apply for funded research, projects and consultancies. resources are mobilized by encouraging joint programs, research, faculty development programs etc between university departments and the affiliated institutions.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

0

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

0

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

6.4.4 - Institution conducts internal and external financial audits regularly

Internal Audit: Internal Audits are conducted once in a year. The internal audit committee of the University with an external auditor is involved in conducting an internal audit in which the vouching of the bills, random checking of the bill is done. Ms P.V Page & co. was the CA for this year. Internal audit is required for monitoring and upgrading the accounting process on a continuous basis. the Audit report for year 20-21 is attached in the criteria 6.4.3 as the supporting document.

External audit: External Audit is conducted once in a year. The Ms Kirtane and Pandit LLP is the renowned firm of Mumbai is the Chartered accountant for Dr. Babasaheb Ambedkar Technological University, Lonere. The external audit starts in the month of Nov. and ends till Dec.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals

Every academic year IQAC visits the department for internal audit and discusses quality assurance strategies and best practices for the department. Every year, the first year student's induction program is conducted under the quality assurance strategy in which the information regarding department, laboratories, examination

system, library, other departments etc along with universal human values. Due to covid 19 pandemic, the induction program is conducted online for the last two years.

Many online workshops and FDP were conducted for improving quality of teaching learning process, structure and methodology of operation and learning outcomes such as 'Orientation Session on National Education Policy (with a focus on Innovation and entrepreneurship.', 'Session on Accelerators/Incubation - Opportunities for the Students & Faculties - Early Stage Entrepreneurs' , 'Orientation Session on National Innovation and Startup Policy (NISIP)' etc

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken

A. Any 5 or all of the above

Confernces, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and studens Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

Describe quality enhancement initiatives in the academic and administrative domains successfully implemented during the year within a Maximum of 200 words each

The following quality enhancement initiative in the academics and administrative domains has been taken.

1. The incubation, innovation and startup cell has been activated

and functionalized.

2. It is made mandatory to offer at least one online course in Every Semester commencing from Academic Year 2020-21.
3. To cope up with COVID 19 pandemic, infrastructure is developed to promote online teaching and learning processes.
4. All the examinations during the year 2020-21 were conducted on proctored objective based online examination systems.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

In year 2020-2021 Institute have conducted following events for gender equality

1. Savitribai Phule Jayanti is celebrated on 3rd January 2021 to aware students about contribution of Savitribai Phule in women's education. Savitribai Phule Jayanti is the anual commemoration of the birth anniversary of the Indian social reformer who played a crucial role in shaping India's education system, with a special focus on educating the girl child.

2. Women's day was celebrated on 8th March 2021 to express gratitude about women's contribution in the society. A day that commemorates the social, political and economic achievements of women. Women in different parts of the world use this day to come together to celebrate one another and rally for equal treatment and representation

3. Tech-Saksham is a program that aims to equip women with technical skills and encourage them towards technology careers. The program particularly focuses on women because India has one of the youngest workforces in the world but with a large skill gap with regards to the jobs of the future and an even higher gender disparity when it comes to STEM careers. Partners & Programs are

1. Microsoft
2. SAP
3. Edunet Foundation

The Motive behind the program was Build Skills of the Future Engage in a cultural relook, Established college to industry linkages , Build capacity of the support system, Project-based learning with local context.

| File Description | Documents |
|--|---------------------------|
| Upload relevant supporting document | View File |
| Annual gender sensitization action plan(s) | abc |
| Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information | abc |

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

C. Any 2 of the above

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Description:

- Solid waste management

The University had purchased 100 dustbins for segregation of solid waste in the University campus.

- Liquid waste management

The University had maintained drainage system for the management of liquid waste.

- Biomedical waste management

No data found

- E-waste management

No data found

- Waste recycling system

No data found

- Hazardous chemicals and radioactive waste management

Not available

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

B. Any 3 of the above

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

B. Any 3 of the above

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

E. None of the above

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions/awards
5. Beyond the campus environmental promotional activities

| File Description | Documents |
|-------------------------------------|------------------|
| Upload relevant supporting document | No File Uploaded |

7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

A. Any 4 or all of the above

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words)

1. National Anti-Terrorism Day is celebrated on 21st May 2021 to spread awareness about the violence caused by the terrorists. The

objective behind the observance of this day is to wean away the youth from terrorism and the cult of violence by highlighting the suffering of common people and showing how it is prejudicial to the national interest.

2. University has done landscaping of the campus. For the same, a tree plantation around sports ground was planned on 25th February 2021. It helps to preserve biodiversity, conserve water, preserve soil, and control climate, among other things.

3. One day blood donation camp was organized by the NCC in the month of August 2021 in collaboration with Goregaon Rotary Club and Mahad Jankalyan Blood bank. Students and faculty members from the university actively participated in the camp. The purpose to organize a blood donation camp is to motivate people to donate blood and social works.

4. Virtual Tree plantation program was organized by the NCC on 21st June 2021, Every one planted the trees at their own place. A very auspicious tree plantation program was organized in to create an awareness regarding climate change and its adverse effect on us.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

National Level Online Quiz on Environmental Awareness

On the occasion of WORLD WILDLIFE DAY - 3rd March, 2021, we have organized National Level Online Quiz on Environmental Awareness.

There are 15 multiple choice type questions each carrying 10 marks. E-Certificate will be provided on registered email address for those participants who will score more than equal to 80% score.

WOMEN EMPOWERMENT THROUGH HIGHER EDUCATION 21-25 January 2021

OBJECTIVES OF COURSE:

Demonstrate the values, attitudes and human skills necessary for their empowerment and creating a healthy family environment.

Friday Lecture Series under Atmanirbhar Bharat Cell

YouTube Live:

<https://www.youtube.com/watch?v=3Hr490JurBY&feature=youtu.be>

Taken by: Prof. Vedala Rama Sastry, VC

One Day Workshop on Human Values in Technical Education: Road Ahead

Taken by: Prof. Vedala Rama Sastry, VC

ATMA NIRBHAR BHARAT CELL of DBATU

August 15, 2020

The Atma Nirbhar Bharat Cell of the University was inaugurated by Governor of Maharashtra, Shri Bhagat Singh Koshyariji through an online programme.

Expert Talk cum interaction on Role of Values in Technical Education

By Shri. Atul Kothari National Secretary, Shiksha Sanskriti Utthan
Nyas Date: Wednesday, 13th May 2020 Time: 11 am- 12 Noon Platform: CISCO Webex

Higher Education post COVID-19 era : Hon'ble Minister for Human Resource Development

<https://www.facebook.com/cmnishank> .

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on Code of Conduct are organized All of the above

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Sr.No

Title Of the Program

Date

No. of participants

1

Independence Day

15th August 2020

25

2

Sadbhavana Divas

20 August 2020

15

3

Mahatma Gandhi Jayanti

2nd October 2020

15

4

Ekta Diwas Celebrations

31st October 2020

15

5

Dr Ambedkar Mahaparinirvan Din

6th December 2020

15

6

Sant Jagnade Maharaj Jayanti

8th December 2020

20

7

Dnyanjyoti Savitribai Fule Jayanti

3rd January 2021

08

8

Jijau Maasaheb Jayanti & Swami Vivekanand Jayanti

12th January 2021

22

9

Netaji Subhashchandra Bose Jayanti

23rd January 2021

13

10

Republic Day Celebration

26th January 2021

11

Sant Sevalaal Maharaj Jayanti

15th February 2021

20

Chatrapati Shivaji Maharaj Jayanti

19th February 2021

25

12

Sant Gadge Maharaj Jayanti

23rd February 2021

20

13

Sant Rohidas Maharaj Jayanti

27th February 2021

18

14

Women's Day Celebration

8th March 2021

25

15

Yashvantrao Chavan Jayanti

12th March 2021

28

16

Shaheed Divas

23rd March 2021

15

17

Mahatma Jyotiba Fule Jayanti

11th April 2021

10

18

Dr. Babasaheb Ambedkar Jayanti

14th April 2021

30

19

Rashtrasant Tukdoji Maharaj Jayanti

30th April 2021

15

20

Dahashatwad Aani Hinsachar Virodhi Din

21st May 2021

10

21

Swatantryaveer V. D. Sawarkar Jayanti

28th May 2021

15

22

Punyshlok Ahilyadevi Holkar Jayanti

31st May 2021

15

23

Maharana Pratap Jayanti

13th June 2021

10

24

Chatrapati Shahu Maharaj Jayanti

26th June 2021

15

25

Vasantrao Naik Jayanti

1st July 2021

10

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the University

The University follows a systematic process in designing and developing the curriculum. The approving authorities for the University are Board of Studies (Bos), Academic Council (AC) and Executive Council (EC). The programmes are structured to provide a solid basis in Engineering and Technology, Humanities, and Sciences. The courses are designed to improve human dignity, skills, employability and competency building, creativity/innovation and open thinking, cultural diversity, gender equality, respect for nature and environmental consciousness, democratic, participatory and ethical approach and team building through improved interpersonal communication. Several new courses are in place based on the feedback of students, alumni, employers and experts from academia and industry. The latest courses on AI, Machine Learning, Data Science and IoT are offered by Departments of Computer Engineering, Information Technology and Electronics and Telecommunication Engineering. The Department of Mechanical Engineering has designed a course on Fundamentals of Automobile Design with the help of Tata Technologies, Pune to improve the employability. The CBCS and OBE with good number of electives as well as POs/PSOs/COs designed for all programs and are published on the web site as well as placed in the respective department and the awareness has been created among the students.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

08

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year

97

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

62

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

15

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The University is fully aware of the fact that for holistic development of students, it is necessary to give enough attention to extra- and co-curricular activities along with sound curriculum. Courses such as self-study seminar, technical project on community services (group project) and final year project (group project), industrial training and internship and industrial visits promote self- and participatory learning. In addition, assignment, quizzes, course seminars also promote self- and participatory learning. In addition to the above, the curriculum also consists of courses like Universal Human Rights, Environmental Engineering etc. to enrich the students learning and experience.

In addition, some branches have Students' Chapters of some professional associations, e.g., ISHRAE, SAE-India Club, etc. These chapters conduct various activities throughout the year. These activities also promote all-round development of the students. Thus, through the above activities, the students develop traits such as learning on one's own, learning from others, learning to learn which are essential attributes for life-long learning.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

48

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above

1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year

1035

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

1.3.4 - Number of students undertaking field projects / research projects / internships during the year

1166

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

1.4 - Feedback System

1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni

- Any 3 of the above

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

1.4.2 - Feedback processes of the institution may be classified as follows

- Feedback collected

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

580

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

219

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

- Our university believes in outcome-based learning processes. Advanced learners and slow learners are categorized by their responses in class room and performance in the examinations.
- The institution organizes Orientation/Induction programme for freshers at institute level and departmental level. The facilities in the college and the scope of the subjects being learnt are introduced in these sessions.
- Advanced learners are encouraged to refer latest versions of reference books and journal papers for their advanced studies. They are given opportunities to be part of innovative projects and other technical initiatives of the institute. They are encouraged to participate in Hackathons, Paper Presentations, Project Competitions and Summer Projects and Internships. They also helps slow learners through peer learning. Gold Medals are awarded to the toppers in the University Convocation. Training and Placement Cell invites Companies to hold their placement drive at the University.

Slow learners are provided Remedial Classes to improve their academic performance which helps them to improve subject

knowledge catch up into their peers. Group Study System is also encouraged with the help of the advanced learners. Personal counselling is also given to them by the tutor, mentor. Lecture notes/course materials are provided to the slow learners.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |
| Link For Additional Information | Nil |

2.2.2 - Student - Full time teacher ratio during the year

| Number of Students | Number of Teachers |
|--------------------|--------------------|
| 2170 | 118 |

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences

- The University practices a teaching methodology which focuses on imparting education through a student centric approach. This methodology helps to transform students from being relegated to the role of passive recipients to active and involved stake holders, apart from boosting their confidence and encouraging independence.
- Interactive Methods: One of the important aspects of teaching learning process to inclusiveness of the students in all respect while teaching learning to make it more interactive and effective. While teaching the subject in ONLINE mode care was taken to make the students attentive by including the practical and real life examples. After each assessment tests, the model solutions were discussed through chat box.
- Student Seminars: The student seminars are organized and papers are presented by students to enrich their learning experience.
- Internship: Internship aims at enabling the students to get

a practical exposure to the working of the industry by providing an opportunity to supplement their classroom learning with practical experience

- Project method and Problem-solving Methodology: B-Tech Project (BTP), three or four students are asked to work in a group to solve a particular problem. Students have to discuss given problem to find out the solution.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

- The teachers use various educational technologies to support classroom teaching. In the year 2020-21 due to COVID-19 restrictions teachers used online technology like Google Meet, Zoom, and WebEx for delivering lectures. The college has subscribed the ZOOM, WebEx application. For small classrooms the teachers used Google Meet or WebEx platforms. To supplement and promote the continuous internal evaluation the various department used Google forms to conduct online quiz. Google Classrooms are used by the department to share the PPTs, videos, web links and online quizzes in Google form.
- The handouts/notes were prepared in advance and teaching was done using the scanned notes. However, Digital Slate, chat box was used during explanation. Before the class, the link was shared to the students. Standard links such as NPTEL/SWAYM were also shared to the students for self learning and open discussion was arranged to make the online learning more inclusive and live.
- The online resources like NPTEL are extensively used for enhancing the teaching-learning process. To explain a particular concept, YouTube videos are used. virtual labs experiments are used to conduct the practical.
- Overall, the ICT enabled online resources are very much useful for enhancing the teaching -learning process.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

2.3.3 - Ratio of students to mentor for academic and other related issues during the year

| 2.3.3.1 - Number of mentors | |
|---|---------------------------|
| 118 | |
| File Description | Documents |
| Upload relevant supporting document | View File |
| 2.4 - Teacher Profile and Quality | |
| 2.4.1 - Total Number of full time teachers against sanctioned posts during the year | |
| 118 | |
| File Description | Documents |
| Upload the data template | View File |
| Upload relevant supporting document | View File |
| 2.4.2 - Total Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. during the year | |
| 42 | |
| File Description | Documents |
| Upload the data template | View File |
| Upload relevant supporting document | View File |
| 2.4.3 - Total teaching experience of full time teachers in the same institution during the year | |
| 2.4.3.1 - Total experience of full-time teachers | |
| 1209 | |
| File Description | Documents |
| Upload the data template | View File |
| Upload relevant supporting document | View File |
| 2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year | |
| 2 | |

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

2.5 - Evaluation Process and Reforms

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

102

2.5.1.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the year

102

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

0

| File Description | Documents |
|-------------------------------------|------------------|
| Upload relevant supporting document | No File Uploaded |

2.5.3 - IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

Dr. Babasaheb Ambedkar Technological University is a completely ICT enabled University and everything related to the examination system are run through ICT. The IT integrations have modernized the entire examination process and have speeded up the functioning mechanism, while making the whole process more transparent.

- The university has revised the academic curriculum for all the programs to introduce following examination reforms.
- Introduction of Continuous Assessment: This reform has

empowered teachers to adopt course specific assessment methods. Teachers have started adopting different assessment methods beyond written examinations. These include presentations, mini-projects, course seminars and surprise tests or online quizzes.

- Introduction of Mid Semester Examination: A comprehensive mid-semester examination is conducted based on 50% syllabus covered during the semester.
- Online Mode of examination: Most of the internal assessment is being carried out through online quizzes and presentation

The introduction of these reforms has resulted in better student engagement and student progression from year to year. This also resulted in reduced importance to the end semester examination and undue stress caused by the end semester examination.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

2.5.4 - Status of automation of Examination division along with approved Examination Manual

A. 100% automation of entire division & implementation of Examination Management System (EMS)

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

2.6 - Student Performance and Learning Outcomes

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

Our University has implemented Outcome Based Education for all the courses under its purview. The care has been taken to create wide awareness about the Learning Outcomes and the Graduate Attributes among all our stake-holders. The students are made aware about this during the Induction Program right at the beginning of their course. Additionally the Learning Outcomes and the Graduate Attributes are the standard parts of the curricula documents. The COs are also well documented in the curricula at

the beginning of each Subject/Lab along with the correlation matrix with the Program Outcomes. Every teacher at the beginning of the subject/topic informs the students about COs/POs related to the Subject, Lab Activity.

The University has adopted Continuous Assessment System since long. This gives liberty to the teachers to ensure achievement of COs through various methods of assessment such as quizzes, mini projects, seminars presentations, case studies, group discussions or any other innovative methods of evaluation.

The End Semester paper setters and evaluators are informed well in advance about the Outcome Based Evaluation system for evaluation and also advised to set the question papers, Assignments, Lab Activities by specifying expected COs and the levels of Bloom's Taxonomy.

Web-link for syllabi

<https://dbatu.ac.in/academic-year-2020-2021/>

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year

During this Academic year, due to the COVID pandemic as the students were off the campus, it was really difficult to evaluate the COs and POs. However, this difficulty was converted into challenge by the innovative teaching and evaluation methods used by the Faculty members at the University. Depending on the nature and contents of the theory and lab courses, the assignments, quizzes, and activities were planned by the faculty members so as to ensure that the students are capable of attaining the COs and POs thereon. The attainment of POs, PSOs, and COs are evaluated through continuous evaluation and End Semester Examination. There are two continuous evaluations namely CA1 and CA2 of each 10 marks. One mid-term examination of 20 marks. There is an end semester examination of 60 marks to assess the overall understanding of the subject. This examination is done in an online mode. Care has been taken so that the questions are well spread over the whole syllabus and the COs and POs are fulfilled. To attain the subject specific POs, PSOs, and COs, many practical oriented questions are asked during teaching, given assignments

and online quizzes etc.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

2.6.3 - Number of students passed during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

656

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | No File Uploaded |

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a web link)

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

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution Research facilities are frequently updated and there is well defined policy for promotion of research which is uploaded on the institutional website and implemented

Research Equipments purchased under TEQIP-III:

Probe Sonicator, Fixed Bed cum Simulated Moving Bed Chromatographic Reactor Assembly, ISHRAE Energy software, Cutting tool dynamometer, Software Defined Radio, Hydrogen Gas Generator, Surface roughness tester, Electrical machine Open lab set up, Reaction torque sensor, Data Science Lab pack, Chroma Cloth with Installation, C Frame for Chroma Cloth, FTIR Spectrometer, Reagents for synthesis, Reagents and solvents for synthesis, Metallurgical microscope, Signal Generator 20 GHz with pulse modulation.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

0

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

0

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

25

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.1.5 - Institution has the following facilities to support research
Central Instrumentation Centre
Animal House/Green House
Museum
Media laboratory/Studios
Business Lab
Research/Statistical Databases
Moot court
Theatre
Art Gallery

D. Any 1 of the above

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

0

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.2 - Resource Mobilization for Research

3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the year (INR in Lakhs)

6.84 Lakhs

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

761 Lakhs

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year

5/51

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

The DBATU FORUM OF INNOVATION INCUBATION AND ENTERPRISE Incorporated as Section 8 company on 4th November 2019 the Corporate Identity Number of the company is (CIN No- U85300MH2019NPL332513). It will provide an ecosystem to enterprising students and immediate alumni of the University, its affiliated colleges and other emerging technology based businesses that would support their start-up phase and increase their likelihood of success. It will provide working space, flexible lease, common office and laboratory facilities, business guidance, mentoring, and other technical resources in network mode at the Main Centre of the University.

The Incubation Centre is able to host approximately six to ten clients at a time in a proposed 5,000 square feet facility that would include a mix of office and lab space & necessary infrastructure for prototype building & legal support. The facility is owned by the University and State of Maharashtra. The grant of Rs. 5 Cr is sanctioned by GoM for the duration of 5 Years, out of which first tranche/installment of Rs. 25 Lakh is received by the company. Looking into performance of 2020-21 second installment of Rs. 50 lakh against sanctioned amount will be released soon.

The presence of Centre on the University campus, as Startup Ecosystem, is motivating the young engineers to become job provider rather than job seeker. This culture of creation of entrepreneurs is being propagated to colleges affiliated to the University.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

19

3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year

19

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

4

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following

1. Inclusion of research ethics in the research methodology course work
2. Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)
3. Plagiarism check
4. Research Advisory Committee

A. All of the above

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards Commendation and monetary incentive at a University function Commendation and medal at a University function Certificate of honor Announcement in the Newsletter /

E. None of the above

| website | |
|--|---------------------------|
| File Description | Documents |
| Upload the data template | View File |
| Upload relevant supporting document | View File |
| 3.4.3 - Number of Patents published/awarded during the year | |
| 3.4.3.1 - Total number of Patents published/awarded year wise during the year | |
| 1 | |
| File Description | Documents |
| Upload the data template | View File |
| Upload relevant supporting document | View File |
| 3.4.4 - Number of Ph.D's awarded per teacher during the year | |
| 3.4.4.1 - How many Ph.D's are awarded during the year | |
| 26 | |
| File Description | Documents |
| Upload the data template | View File |
| Upload relevant supporting document | View File |
| 3.4.5 - Number of research papers per teacher in the Journals notified on UGC website during the year | |
| 2 | |
| File Description | Documents |
| Upload the data template | View File |
| Upload relevant supporting document | View File |
| 3.4.6 - Number of books and chapters in edited volumes published per teacher during the year | |
| 3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year | |

1

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS

E. None of the above

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.4.8 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

| Scopus | Web of Science |
|--------|----------------|
| 3.80 | 5.43 |

| File Description | Documents |
|---|---------------------------|
| Any additional information | View File |
| Bibliometrics of the publications during the year | View File |

3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

| Scopus | Web of Science |
|--------|----------------|
| 9 | 8 |

| File Description | Documents |
|--|---------------------------|
| Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution | View File |
| Any additional information | View File |

3.5 - Consultancy

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy

Consultancy is well recognized as an effective way for universities to disseminate knowledge and make an early and direct impact on society. However, the balance between consultancy and the traditional roles of the academic staff needs to be managed and the interests of the University must be protected. This Policy provides provisions for conducting consultancy to ensure that consultancies undertaken by staff are consistent with the University's strategic and operational objectives and the costs are sustainable. All Research and Non-research consultancies as described in this Policy are governed by the following guiding principles: (a) There should be a demonstrable benefit to the University from the consultancy through income, enhanced reputation, and/or expansion the expertise of the staff member. (b) The Consultancy must not be in conflict with University policies including that governing employment; such as the Code of Conduct Policy. (c) The Consultancy must not be in conflict with the functions, objectives or interests of the University or damage the University's reputation. (d) At a minimum, the salary and on-cost charges set by the University must be applied to all project budgets. All Consultancies are required to include overheads

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

4240754

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year

The University has made noteworthy contribution to the society and environment through the active participation of NSS volunteers in the activities organized at neighborhood villages. Major Emphasis was given on holistic development of students. Villages were facing issues of uncleanliness, unhygienic and important issue of open defecation. Lack of awareness is noted among the villagers on issues such as health, education, government schemes etc. Techno-social survey was carried out in the nearby villages. The university organized cleanliness drive, tree plantation and awareness drives in the nearby villages on social issues such as gender equality, save girl child, drug addiction, eradicating superstitions, farmers suicides etc. Further, NSS students created awareness about the various government schemes through 'Yuwa Mahiti Doot App' prepared by Government of Maharashtra.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

3.6.2 - Number of awards received by the Institution, its teachers and students from Government /Government recognised bodies in recognition of the extension activities carried out during the year

3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year

7

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.6.3 - Number of extension and outreach programs conducted by the institution including those through NSS/NCC/Red cross/YRC during the year(including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

35

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

1512

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

13

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

3.7.2 - Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the year

4

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

The university has state-of-the-art infrastructure that facilitates effective teaching and learning for all programs

1. The university has total of 21 classrooms, 49 laboratories, nine seminar halls, and one computer center for all the departments. one studio common to all departments and departmental library wherever feasible.
2. In 2020-21, the university has created an Incubation center for guiding students for their startups and developing themselves as entrepreneurs. Various facilities include corridor wi-fi, digital TV displays, and CCTV.

Seminar Halls:

Few departments have their own seminar halls well equipped with ICT facilities

Facilities for the Teachers:

1. Faculty members are provided desktop PCs, and printer facility for most of the faculty members
2. The university promotes to use free and open source software (FOSS).

Modern Classrooms:

Almost all the classrooms are equipped with an internet facility, few classrooms are wifi enabled with Projector, and audio system.

Well-Equipped Laboratories:

1. All laboratories are fully ventilated, LAN and few are Wi-Fi enabled, well furnished with the necessary and latest equipment and machinery with more than adequate number and space for free circulation.
2. Computer laboratories including computer center are equipped with latest configuration branded PCs and also few required licensed software.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

4.1.2 - The institution has adequate facilities for cultural activities, yoga, games (indoor, outdoor) and sports. (gymnasium, yoga centre, auditorium, etc.)

Following facilities are in place in the university. Students' activities are promoted through the Sport Department and Cultural Committee.

Playground which is suitable for following outdoor game playing:

1. Kabaddi
2. Kho-Kho
3. Volleyball Court
4. Cricket
5. Football
6. Handball
7. Basketball
8. Athletic

The university also has adequate facilities for the following indoor sports:

1. Table tennis
2. Badminton
3. Chess
4. Carrom

The university has a cultural activity cell in place and it plays an active role in promoting various activities within the university department. However, due to the pandemic situation of COVID-19 in 2020-21, these activities could not be conducted as students were not on the campus.

Yoga

The university conducts Yoga activities under the aegis of NCC unit. . In spite of pandemic situations, in the year 2020-21, the University NCC unit successfully organized an online program. Although it was an online program there was no lack of enthusiasm among the cadets.

The university hostels are having very good facilities for the gymnasium. However, due to lockdown, hostels were closed so no activities were conducted in the year 2020-21.

Auditorium

The university has a state-of-the-art auditorium with 10383 sq.ft. area whose development is in its last stage.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

4.1.3 - Availability of general campus facilities and overall ambience

Dr. Babasaheb Ambedkar Technological University, Lonere has campus area of nearly 467 Acres. The campus has different facilities for the students, teachers and supporting staff.

Hostels for students:-

Currently three hostels for girls are under construction. One of the units is completed which has the capacity of 160 students.

But due to recent Covid-19 situation, the University has handed over this building to health department of Government of Maharashtra.

Hostel Name

Built-up area (Sq.m)

Capacity

Gagangiri (Boys)

6057.00

480

Sahyagiri (Boys)

4852.00

360

Dhavalgiri (Girls)

4500.00

210

Malaygiri (Girls)

4500.00

206

Staff quarters:-

Quarters Name

Built-up area (Sq.m)

No. of Flats

Professor Quarters (Krishan, Kaveri, Vaingang, Panchganga)

3900.00

32

Administrative Staff Quarters (Indrayani, Godavari, Savitri)

2970.00

24

Class-III Staff Quarters (Gomati, Sabaramati, Saraswati)

2230.00

36

Class -IV Staff quarters (Chandrabhaga)

660.00

16

Guest House:-

University has guest house named as 'Anandvan'. It can accommodate upto 44 persons. Its built up area is 1580 sq. m.

Resident facilities for vice Chancellor, Registrar, Dean:-

Name of the Residence

Built-up area (Sq.m)

Vice Chancellor Bungalow

660.00

Registrar Bungalow

Dean Bungalow

Sport Facilities:-

University has basketball grounds, Cricket ground, badminton court, table tennis courts, etc.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

73.33

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

Automation of Library Service: Library is partially automated with the help of LIBMAN software developed by Masters Computer. All the work related to issue and return has been computerized. Most of the books are barcode automation is partially done. All the issue and return transactions of the Library and Book Bank are completely computerized.

Web Opac on Local LAN: Library has own OPAC this can be operated within the campus premises by clicking in <http://dbatulibrary/webopac> or <http://172.16.5.238/opac>. Besides listing all the books available in the library, it allows the facility like self renew, reservation, Fine calculations, status of particular Books, particular students. It is searchable by Author, Title, Acc. No. and several other fields.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga

B. Any 3 of the above

| Databases | |
|--|---------------------------|
| File Description | Documents |
| Upload relevant supporting document | View File |
| 4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs) | |
| 0 | |
| File Description | Documents |
| Upload the data template | View File |
| Upload relevant supporting document | View File |
| 4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access) | |
| 20 | |
| File Description | Documents |
| Upload relevant supporting document | View File |
| 4.3 - IT Infrastructure | |
| 4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year | |
| 24 | |
| File Description | Documents |
| Upload the data template | View File |
| Upload relevant supporting document | View File |
| 4.3.2 - Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility | |
| To meet the requirements of 'Dr. Babasaheb Ambedkar Technological University IT Usage Policy' the Cyberoam - CR300i unified threat management appliance is used. User connectivity, infrastructure security, and their governance are maintained by the Cyberoam CR 300i's features like Stateful Inspection Firewall, Gateway | |

Antivirus and Spyware, Gateway Anti-Spam, Intrusion Prevention System, Web-Filtering, Bandwidth Management, Multiple Link Management, Comprehensive Reporting.

University Network Infrastructure has 2 Gateways

1) NKN/BSNL Gateway (1 Gbps)

2) Railtel Gateway (10 Mbps)

Name

IP Address

Interface

Type

Activate on Failure of

Weight

NKN

14.139.120.1

PortF - 14.139.120.2/255.255.255.240

Active

N/A

1

Railtel

203.153.39.169

PortB - 203.153.39.173/255.255.255.248

Backup

NKN gateway

NA

Whenever a user connects a device to the University Network Infrastructure he/she is assigned an IP address from the pool and then to access the Internet the login-ID and Password is asked for authentication by Cyberoam Server. All further communication are governed by Cyberoam Server using various policies as follows:

- 1) User Account Distribution and Usage QoS Policy
- 2) Web-Filter Policy
- 3) Application Filter Policy

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

4.3.3 - Student - Computer ratio during the year

| | |
|--------------------|---|
| Number of students | Number of Computers available to students for academic purposes |
| 2390 | 406 |

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)

- ?1 GBPS

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing

C. Any 2 of the above

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |
| Upload the data template | View File |

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

160.15 Lakhs

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

1. Following process is carried out for physical maintenance. This tender process is mainly divided into two parts,

1. Offline / A1- Tenders

These tenders are useful for carrying out minor maintenance works costing up to Rs.8lakhs. It is advertised on university website.

1. Online / E- Tenders

These tenders are useful for major maintenance/ new works (up to 25 Lakhs) costing more than 10 lakhs. They are given wide publicity in local and state level newspaper.

1. E-tenders

These tenders are useful for major maintenance work/new major work costing upto Rs. 25 Lakhs. They are given wide publicity at local daily and state daily.

In addition to these two, work costing more than Rs. 25 lakhs are carried out with the help of PWD.

1. LABORATORY: Departments regularly maintains the laboratory equipments by checking the working status of instruments. Maintenance is carried out by the laboratory assistants. Lab Technicians are maintaining dead stock, consumables, semi consumable materials, log book.

2. ACADEMIC AND SUPPORT FACILITIES: Department organizes workshops, guest lectures, seminars for development of students. The departmental project and seminar coordinators are maintaining all projects and seminar records. Department office maintains all academic documents such as master, individual teacher's, class room, laboratory time tables, monthly review of number of lectures and practical conducted by teachers, a copy of unit test examination time table, student's feedback reports.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

1733

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

770

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) Awareness of trends in technology

A. All of the above

| File Description | Documents |
|--|--|
| Upload the data template | View File |
| Upload relevant supporting document | View File |
| <p>5.1.4 - The Institution adopts the following for redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organisation wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees</p> | <ul style="list-style-type: none"> • All of the above |
| File Description | Documents |
| Upload relevant supporting document | View File |
| 5.2 - Student Progression | |
| 5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations) | |
| 5.2.1.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year | |
| 30 | |
| File Description | Documents |
| Upload the data template | View File |
| Upload relevant supporting document | View File |
| 5.2.2 - Total number of placement of outgoing students during the year | |
| 106 | |

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

22

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | View File |

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter -university/state/national/international events (award for a team event should be counted as one) during the year

0

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | No File Uploaded |

5.3.2 - Presence of Student Council and its activities for institutional development and student welfare

Students have representation on academic and administrative bodies and committees of the University. University also constituted various Clubs and Board of Students Development and extensional activities.

1. **Class Committees:** All programmes have class committees for each course that comprise of student members representing meritorious as well as weak students, along with faculty members nominated by the Head of the Department, other than the course teacher. The Class Committees provide feedback on all aspects of the programme and respective course. Class Committee Meetings are held regularly, at least twice

in each semester.

2. **Cultural and Sports Committees:** Students have strong representations in all cultural and sports and games committees. However, activities were hampered by Covid-19 Pandemic.
3. **Organization of Special Events:** Students online organized, and celebrated the National Teachers Day, on Sept. 5, and other National celebrations that include, Independence Day, Republic Day, Engineers Day, Induction Program, Skill Development Program, National yoga Day

However due to Covid-19 pandemic students welfare activities could not organised.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

5.3.3 - Number of sports and cultural events / competitions organised by the institution during the year

0

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| Upload relevant supporting document | No File Uploaded |

5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapters (registered and functional)contributes significantly to the development of the institution through financial and other support services during the year

The Dr BATU Alumni Association (DBAA) was inaugurated on 26th Jan 2021 and formally completed registration with the Charity Commissioner Alibag on 3rd June 2021(DBATU/REG/Recognition DBAA/2020-21 date 08/01/2021). Over the past year, the DBAA initiated several activities for faculty, current students and alumni. Student activities included provision of internships (around 200), placement assistance (around 20), webinars (around 23 - both subject specific and related to career development) which have helped to establish a strong engagement with students. To further help with internships, DBAA also facilitated a MoU between DBATU and Internshala. For faculty, DBAA is contributing through Alumni Advisors to Departments (to advice on curriculum

development, lab development and jobs). For alumni, student and staff members of the DBAA, a website was launched on 23rd Oct 2021 - which acts as the central hub for all alumni activities. Most recently, DBAA is actively pursuing establishment of a Raspberry Pi Lab at DBATU. DBAA has also initiated infrastructure contributions via engagement through tenders for solar grid proposed at DBATU and contributing to discussions concerning Fibre Optic line for enhanced connectivity. DBAA is now working towards establishment of scholarships, support for student digital connectivity and strengthening entrepreneurship activities at DBATU.

- website: www.alumni.dbatu.ac.in

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

5.4.2 - Alumni contribution during the year (INR in Lakhs) E. <1Lakhs

| File Description | Documents |
|-------------------------------------|------------------|
| Upload relevant supporting document | No File Uploaded |

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance

Vision: 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. **Mission:** The University is committed to provide quality technical education, research and development services to meet the needs of industry, business, service sector and the society at large.

The Faculty, Students and Staff are committed to the mission of the University of providing quality technical education and to become a 'Centre of Excellence' in Education.

The University has adopted a number of new initiatives and practices through ingenious leadership and effective governance.

The university has prepared an elaborate 'Strategic Plan' which gives a detailed roadmap for the long-term development and growth of the university as envisaged in the University Act.

The University believes that 'good governance'. In view of this, the university has made several reforms gradually in governance practices. The university has well-structured governing mechanisms as provided in the University Act No. XXIX of 2014. The governance and administration of the university are carried out through various committees such as Executive Council, Academic Council, etc.

| File Description | Documents |
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6.1.2 - The effective leadership is reflected in various institutional practices such as decentralization and participative management

The institution promotes the culture of participative management at the strategic level, functional level and operational level. At a strategic level the Governing body, Teachers and the IQAC are involved in defining policies procedures, framing guidelines and rules regulations pertaining to admission, examination, code of conduct-discipline, grievance, support services, finance etc. In functional level faculty members share knowledge among themselves, students and staff members while working for a committee. Faculty members are involved in joint research and have published papers.

Students and department staff join hands with the HoDs and faculty for the execution of different academic, administrative, extension related, co- and extracurricular activities. Startup, innovation and incubation center is going to be a good example of participative Management.

Similarly, Placement process in the University is driven by the participation of members from Career Development Center (CDC), Faculty and Student Committee on placements.

Moreover, Faculty members of various departments have been given additional responsibilities related to various aspects of the university like Student section, Admission, Examination, Research and development, centralized procurement(CPC), IQAC, Alumni

association and Board of studies.

| File Description | Documents |
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| Upload relevant supporting document | View File |

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

Dr. Babasaheb Ambedkar Technological University, with its headquarters situated at Lonere, is now a statutory State Technical University established by Government of Maharashtra through special Dr. Babasaheb Ambedkar Technological University Act. The university has been accorded the status of an 'affiliating' university of the entire State of Maharashtra from March 2, 2016, by the Maharashtra Act No. XXIX of 2014.

The Strategic Plan document collates and confers the goals, strategies and performance indicators of the center, every department and affiliating institutes. This information is converted into operating details for each of the functional divisions in terms of priorities, alignment of resources, implementation plan, reporting system and measurement of progress. The strategic plan has been prepared after detailed consultation with various committee members and authorities as well as by taking consideration of feedback from alumni and industry persons so that it will reflect the expectations and roadmap for scaling new heights of excellence. The strategic plan is effectively deployed in various sectors. One example of successfully implemented activity based on a strategic plan is the formation of a startup, innovation and incubation center to encourage and support establishment and growth of technology-based start-ups which can enable students and faculty to innovate and prototype their potential ideas with industrial standards and support from Government, industry and reputed academic institutions around the world.

| File Description | Documents |
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6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

The University shall have a decentralized administrative structure of Main center, four Regional Centers at Mumbai, Pune, Aurangabad and Nagpur along with five sub regional centers at Amaravati, Jalgaon, Kolhapur, Nanded, and Solapur. Other Centers may be added over time as needed. The Main Centre shall have four Directors-Academics, Administration, ICT and Research and Development supported by Joint Directors, Registrar, Deans, and Chief Finance Officer in respective areas. The Centres shall look after the functions such as Examination, Research & Development and Industry relations, Training, Student Grievances, etc. The University and Centres shall work through the eGovernance system and MIS with robust State-of the-Art ICT infrastructure. Apart from the Director's office, Dean's Office and Registrar's office, there is Executive council, academic council, board of examination, board of studies and IQAC which decides the policies, procedure and rules in the respective areas keeping the view of National education policies, government regulations, existing priorities and local needs. Regular feedback obtained from the alumni, students, parents and faculty along with suggestions of NAAC peer team form the major inputs for the planning. These inputs are discussed and analyzed by the executive and academic Council, the registrar, IQAC, and CDC. Finance department, planning and procurement section, Heads of Departments, committee / cell in-charges and office staff, monitor and work together for the effective implementation of these policies. The organizational structure of the University facilitates its smooth functioning.

| File Description | Documents |
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| Upload relevant supporting document | View File |

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering following areas of operation

A. All of the above

- 1. Administration**
- 2. Finance and Accounts**
- 3. Student Admission and Support**
- 4. Examination**

| File Description | Documents |
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| Upload the data template | View File |
| Upload relevant supporting document | View File |

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff

Teaching faculty is assessed by means of the Self Appraisal Report submitted at the end of every academic cycle. The objective of the SAR is to highlight faculty member's role and performance for the past year and it also summarizes the expectations from the faculty for future development. The reporting authority reviews the nature & quality of work faculty performed annually based on the parameters such as knowledge, analytical ability, initiative taken, ability to inspire and motivate, supervise, interpersonal relations, and teamwork. Student Feedback is also considered for the evaluation of faculty in the confidential report. The CR plays the most important role along with the training and publication of faculty for promotion under CAS. The IQAC also reviews Administrative and Academic progress so as to review the performance of all the departments and office administration. The university has well defined welfare measures for teaching and non teaching staff such as,

1. Casual or Earned Leave are readily sanctioned to the staff for personal work, medical reason, attending Refresher Course/Orientation Program/seminars etc, maternity leave for female staff
2. Summer and winter Vacation
3. Financial support for teaching faculties to attend conferences, workshops, etc, Festival advance to non teaching staff
4. wifi/internet, canteen, washrooms, CCTV & security staff
5. A well organized cooperative credit society for staff

6. Health care center**7. Women's grievance committee**

| File Description | Documents |
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6.3.2 - Total number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

10

| File Description | Documents |
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| Upload the data template | View File |
| Upload relevant supporting document | View File |

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

1

| File Description | Documents |
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| Upload the data template | View File |
| Upload relevant supporting document | View File |

6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the year(Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)

44

| File Description | Documents |
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| Upload the data template | View File |
| Upload relevant supporting document | View File |

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The University ensures optimum utilization of funds through various measures such as organizing various academic activities for faculty and staff members, controlling administrative expenses, sharing common facilities among the Departments and Centers. Faculty members are encouraged to apply for projects from Government agencies to carry out their research in the campus. As per the strategy of the University, the activities that need recurring funds and the others that require immediate funding are identified and grouped separately. Innovative strategies are employed for identifying and mobilizing funds. Faculty members are encouraged to apply for funded research, projects and consultancies. resources are mobilized by encouraging joint programs, research, faculty development programs etc between university departments and the affiliated institutions.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

0

| File Description | Documents |
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| Upload the data template | View File |
| Upload relevant supporting document | View File |

6.4.3 - Funds / Grants received from non-government bodies, individuals, philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

0

| File Description | Documents |
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| Upload the data template | View File |
| Upload relevant supporting document | View File |

6.4.4 - Institution conducts internal and external financial audits regularly

Internal Audit: Internal Audits are conducted once in a year. The internal audit committee of the University with an external auditor is involved in conducting an internal audit in which the vouching of the bills, random checking of the bill is done. Ms P.V Page & co. was the CA for this year. Internal audit is required for monitoring and upgrading the accounting process on a continuous basis. the Audit report for year 20-21 is attached in the criteria 6.4.3 as the supporting document.

External audit: External Audit is conducted once in a year. The Ms Kirtane and Pandit LLP is the renowned firm of Mumbai is the Chartered accountant for Dr. Babasaheb Ambedkar Technological University, Lonere. The external audit starts in the month of Nov. and ends till Dec.

| File Description | Documents |
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6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals

Every academic year IQAC visits the department for internal audit and discusses quality assurance strategies and best practices for the department. Every year, the first year student's induction program is conducted under the quality assurance strategy in which the information regarding department, laboratories, examination system, library, other departments etc along with universal human values. Due to covid 19 pandemic, the induction program is conducted online for the last two years.

Many online workshops and FDP were conducted for improving quality of teaching learning process, structure and methodology of operation and learning outcomes such as 'Orientation Session on National Education Policy (with a focus on Innovation and entrepreneurship.', 'Session on Accelerators/Incubation - Opportunities for the Students & Faculties - Early Stage Entrepreneurs' , 'Orientation Session on National Innovation and Startup Policy (NISIP)' etc

| File Description | Documents |
|--|--|
| Upload relevant supporting document | View File |
| <p>6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken Confernces, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and studens Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)</p> | <p>A. Any 5 or all of the above</p> |
| File Description | Documents |
| Upload the data template | View File |
| Upload relevant supporting document | View File |
| <p>6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)</p> | |
| <p>Describe quality enhancement initiatives in the academic and administrative domains successfully implemented during the year within a Maximum of 200 words each</p> <p>The following quality enhancement initiative in the academics and administrative domains has been taken.</p> <ol style="list-style-type: none"> 1. The incubation, innovation and startup cell has been activated and functionalized. 2. It is made mandatory to offer at least one online course in Every Semester commencing from Academic Year 2020-21. 3. To cope up with COVID 19 pandemic, infrastructure is developed to promote online teaching and learning processes. 4. All the examinations during the year 2020-21 were conducted | |

on proctored objective based online examination systems.

| File Description | Documents |
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INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

In year 2020-2021 Institute have conducted following events for gender equality

1. Savitribai Phule Jayanti is celebrated on 3rd January 2021 to aware students about contribution of Savitribai Phule in women's education. Savitribai Phule Jayanti is the anual commemoration of the birth anniversary of the Indian social reformer who played a crucial role in shaping India's education system, with a special focus on educating the girl child.

2. Women's day was celebrated on 8th March 2021 to express gratitude about women's contribution in the society. A day that commemorates the social, political and economic achievements of women. Women in different parts of the world use this day to come together to celebrate one another and rally for equal treatment and representation

3.Tech-Saksham is a program that aims to equip women with technical skills and encourage them towards technology careers. The program particularly focuses on women because India has one of the youngest workforces in the world but with a large skill gap with regards to the jobs of the future and an even higher gender disparity when it comes to STEM careers. Partners & Programs are

1. Microsoft
2. SAP
3. Edunet Foundation

The Motive behind the program was Build Skills of the Future Engage in a cultural relook, Established college to industry linkages , Build capacity of the support system, Project-based learning with local context.

| File Description | Documents |
|--|---------------------------|
| Upload relevant supporting document | View File |
| Annual gender sensitization action plan(s) | abc |
| Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information | abc |

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment

C. Any 2 of the above

| File Description | Documents |
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7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Description:

- **Solid waste management**

The University had purchased 100 dustbins for segregation of solid waste in the University campus.

- **Liquid waste management**

The University had maintained drainage system for the management of liquid waste.

- **Biomedical waste management**

No data found

- E-waste management

No data found

- Waste recycling system

No data found

- Hazardous chemicals and radioactive waste management

Not available

| File Description | Documents |
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| | |
|--|------------------------------|
| 7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus | B. Any 3 of the above |
|--|------------------------------|

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

7.1.5 - Green campus initiatives include

| | |
|---|------------------------------|
| 7.1.5.1 - The institutional initiatives for greening the campus are as follows: | B. Any 3 of the above |
| <ol style="list-style-type: none"> 1. Restricted entry of automobiles 2. Use of bicycles/ Battery-powered vehicles 3. Pedestrian-friendly pathways 4. Ban on use of plastic 5. Landscaping | |

| File Description | Documents |
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| Upload relevant supporting document | View File |

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

| | |
|--|--|
| <p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities | <p>E. None of the above</p> |
| <p>File Description</p> | <p>Documents</p> |
| <p>Upload relevant supporting document</p> | <p>No File Uploaded</p> |
| <p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p> | <p>A. Any 4 or all of the above</p> |
| <p>File Description</p> | <p>Documents</p> |
| <p>Upload relevant supporting document</p> | <p>View File</p> |
| <p>7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words)</p> | |
| <p>1. National Anti-Terrorism Day is celebrated on 21st May 2021 to spread awareness about the violence caused by the terrorists. The objective behind the observance of this day is to wean away the youth from terrorism and the cult of violence by highlighting the suffering of common people and showing how it is prejudicial to the national interest.</p> | |

2. University has done landscaping of the campus. For the same, a tree plantation around sports ground was planned on 25th February 2021. It helps to preserve biodiversity, conserve water, preserve soil, and control climate, among other things.

3. One day blood donation camp was organized by the NCC in the month of August 2021 in collaboration with Goregaon Rotary Club and Mahad Jankalyan Blood bank. Students and faculty members from the university actively participated in the camp. The purpose to organize a blood donation camp is to motivate people to donate blood and social works.

4. Virtual Tree plantation program was organized by the NCC on 21st June 2021, Every one planted the trees at their own place. A very auspicious tree plantation program was organized in to create an awareness regarding climate change and its adverse effect on us.

| File Description | Documents |
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7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

National Level Online Quiz on Environmental Awareness

On the occasion of WORLD WILDLIFE DAY - 3rd March, 2021, we have organized National Level Online Quiz on Environmental Awareness.

There are 15 multiple choice type questions each carrying 10 marks. E-Certificate will be provided on registered email address for those participants who will score more than equal to 80% score.

WOMEN EMPOWERMENT THROUGH HIGHER EDUCATION 21-25 January 2021

OBJECTIVES OF COURSE:

Demonstrate the values, attitudes and human skills necessary for their empowerment and creating a healthy family environment.

Friday Lecture Series under Atmanirbhar Bharat Cell

YouTube Live:

<https://www.youtube.com/watch?v=3Hr490JurBY&feature=youtu.be>

Taken by: Prof. Vedala Rama Sastry, VC

One Day Workshop on Human Values in Technical Education: Road Ahead

Taken by: Prof. Vedala Rama Sastry, VC

ATMA NIRBHAR BHARAT CELL of DBATU

August 15, 2020

The Atma Nirbhar Bharat Cell of the University was inaugurated by Governor of Maharashtra, Shri Bhagat Singh Koshyariji through an online programme.

Expert Talk cum interaction on Role of Values in Technical Education

By Shri. Atul Kothari National Secretary, Shiksha Sanskriti Utthan Nyas Date: Wednesday, 13th May 2020 Time: 11 am- 12 Noon Platform: CISCO Webex

Higher Education post COVID-19 era : Hon'ble Minister for Human Resource Development

<https://www.facebook.com/cmnishank> .

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on Code of Conduct are organized

All of the above

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Sr.No

Title Of the Program

Date

No. of participants

1

Independence Day

15th August 2020

25

2

Sadbhavana Divas

20 August 2020

15

3

Mahatma Gandhi Jayanti

2nd October 2020

15

4

Ekta Diwas Celebrations

31st October 2020

15

5

Dr Ambedkar Mahaparinirvan Din

6th December 2020

15

6

Sant Jagnade Maharaj Jayanti

8th December 2020

20

7

Dnyanjyoti Savitribai Fule Jayanti

3rd January 2021

08

8

Jijau Maasaheb Jayanti & Swami Vivekanand Jayanti

12th January 2021

22

9

Netaji Subhashchandra Bose Jayanti

23rd January 2021

13

10

Republic Day Celebration

26th January 2021

11

Sant Sevalaal Maharaj Jayanti

15th February 2021

20

Chatrapati Shivaji Maharaj Jayanti

19th February 2021

25

12

Sant Gadge Maharaj Jayanti

23rd February 2021

20

13

Sant Rohidas Maharaj Jayanti

27th February 2021

18

14

Women's Day Celebration

8th March 2021

25

15

Yashvantrao Chavan Jayanti

12th March 2021

28

16

Shaheed Divas

23rd March 2021

15

17

Mahatma Jyotiba Fule Jayanti

11th April 2021

10

18

Dr. Babasaheb Ambedkar Jayanti

14th April 2021

30

19

Rashtrasant Tukdoji Maharaj Jayanti

30th April 2021

15

20

Dahashatwad Aani Hinsachar Virodhi Din

21st May 2021

10

21

Swatantryaveer V. D. Sawarkar Jayanti

28th May 2021

15

22

Punyshlok Ahilyadevi Holkar Jayanti

31st May 2021

15

23

Maharana Pratap Jayanti

13th June 2021

10

24

Chatrapati Shahu Maharaj Jayanti

26th June 2021

15

25

Vasantrao Naik Jayanti

1st July 2021

10

| File Description | Documents |
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7.2 - Best Practices

7.2.1 - Describe one best practice successfully implemented by the Institution as per NAAC format provided in the Manual

7.2 Best practices

1. Title of the Practice: Support to the society during natural calamities

2. Objectives of the Practice

- To help and support society during event of distress
- Spread Covid 19 awareness
- To help the needy people

3. The Context

Since last 2-3 years we had to face unfortunate events such as pandemic and natural calamities (e.g., Flood situation, cyclone). University had contributed to the society.

4. The Practice

The Institution contributes to the society through Health camps, Blood donation camps, Awareness rallies, Guest Lectures and workshops to Teachers. During lockdown period we distributed food, water to needy people.

University had conducted workshops on mental health during covid 19 (From 6th may to 10th may). Also, university had conducted online meditation and breath workshop (18 may to 21 may 2020). Vaccination drive had organized in the university campus.

During the flood situation in Mahad, Konkan region (July 2021). University had taken initiative to help them.

5. Evidence of Success

1. <https://dbatu.ac.in/role-of-values-in-technical-education-in-post-covid-19-situation-by-shri-atul-kothari-on-13th-may-2020-at-11-am-through-online-webex-platform/>

6. Problems Encountered and Resources Required

- It was difficult to distribute food, medicine during flood time due to less manpower
- Floods damage the roads, bridges and public property, travelling was very difficult task

Resources required:

- Hostel facilities
- manpower
- finance.

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

Institutional Distinctiveness:

The University is situated at Lorene in Raigad District, in a rural setting which provides an environment, ideal and conducive for nurturing academic progress, pursuit of research and contemplation in rural area.

The university has been accorded the status of an 'affiliating' university of the entire State of Maharashtra from March 2, 2016, by the Maharashtra Act No. XXIX of 2014.

Finishing school activity for SC/ST/OBC and academically weak students were conducted so as to improve their transition rate, pass rate, skills and employability.

The industry-institute meet has been organised for collaborative activities.

Learning beyond the classroom: The University provides funding support to technical festivals and professional chapter activities of the students so that they learn many new things on their own.

Several finishing school activities and soft-skill development programmes were conducted for SC/ST/OBC and academically weak students so as to improve their transition rate, pass rate, skills and employability.

A specially designed 'diagnostic test' is being conducted for new entrants so as to identify weaknesses in each of the students. Accordingly, suitable measures can be taken in future to help the students to address these weaknesses and improve their academic performance and personality.

7.3.2 - Plan of action for the next academic year

Regular submission of AQARs and Preparation of Self Study Report for second NAAC cycle: The university is over-due for submission of SSR for the second NAAC cycle. The delay was due to the disruption of activities due to the pandemic situation for almost the last two years.

Admission of Ph.D. students on the university campus as well as

in affiliating colleges: the university had released advertisements for Ph.D. admission under various schemes (like full-time/part-time, with and without scholarships). The university will give priority to resolving some pending issues to expedite the process. This will give a boost to research at the University.

Beautification/renovation of the campus: University has started several activities for beautification and renovation of the campus by landscaping, repairing & painting old buildings, installing the statue of Chhatrapati Shivaji Maharaj, etc.

Increase the number of functional MoUs with institutions/industries in India for an internship, on-the-job training, project work, and industrial consultancy.

Development of recreational and sports facilities on the campus of the university for students. Offering more community-based technical projects useful for solving societal problems and also sensitizing students about the problems.

Give emphasis on an increase in the number of students who will qualify for GATE /GMAT /GRE/ TOEFL).