

Dr. Babasaheb Ambedkar Technological University, Lonere
Dist: Raigad, Maharashtra

Established as an affiliating Technical University in the state of Maharashtra under
Dr. Babasaheb Ambedkar Technological University Maharashtra
Act No. XXIX of 2014, dated March 2014



Annual Report
2019-20

‘Vidyavihar’ Lonere, TalukaMangaon, District Raigad-402103

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His Excellency-The Chancellor
Shri. Bhagat Singh Koshyari



Vice - Chancellor
Dr. V. R. Sastry
(From 1st April 2019 to 31st March 2020)



I/c Registrar
Dr. S. B. Deosarkar
(From 1st April, 2019 to 31st July, 2019)
(From 4th March, 2020 to 6th March, 2020)



I/c Registrar
Dr. M. Sadaiah
(From 1st August 2019, to 3rd March, 2020)



I/c Registrar
Dr. B. R. Iyer
(From 7th March, 2020 to 31st March, 2020)

Annual Report Committee 2019 - 20

Sr. No	Verification Officers	Position
1	Dr. B. F. Jogi, Registrar	Chairman
2	Dr. S. V. Khobragade, Finance Officer	Coordinator
3	Mr. G. H. Kalsekar, Store Verification Officer	Secretary

Annual Report Language Translation Verification

Sr. No	Name	Position
1	Dr. A. P. Shesh	Language Translation Verification (English)
2	Mr. P. K. Pendse	Marathi Language Translation Verification Officer
3	Mr. P. B. Avhad	Language Verification

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Chapter One

About the University

Initially the University was established by Maharashtra Government as per Dr. Babasaheb Ambedkar Technological University Act 1989 (22). The Dr. Babasaheb Ambedkar Technological University, Lonere has been reconstituted under the Government of Maharashtra (Act 29) (2014) since 1st March 2016 and the process of affiliation of institutes of Engineering (Engg.), Pharmacy (Pharm.), Architecture (Arch.) and Hotel Management and Catering Technology (HMCT) courses has been started.

Major Boards of the University:

- 1) Executive Council (EC)
- 2) Academic Council (AC)
- 3) Planning, and Evaluation P&E (Monitoring) Board
- 4) Finance Committee (FC)
- 5) Boards of Studies (BOS)
- 6) Such other bodies of the University as may be declared by the Statutes to be the authorities of the University.

For the broader frame work of the University, the board is following their commendations of Dr. Narendra Jadhav Committee for Higher Education and the report of the committees constituted under the leadership of Dr. Anil Kakodkar, Dr. Arun Nigwekar and Dr. Ram Takawle. The reports from All India Council of Technical Education (AICTE), Ministry of Human Resource Development, Ministry of Skill Development, and several reports of industries and CII also formed the resource base of this plan.

Administrative Setup of the New State Affiliating Technical University

The University shall be governed by the main center at Vidyavihar, Lonere, Dist. Raigad. The Vice-Chancellor shall be the Principle Executive Power and academic officer of the University and shall exercise general supervision and control over affairs of the University. However, the four regional centers at Aurangabad, Mumbai, Nagpur and Pune and five Sub centers at Amravati, Jalgaon, Kolhapur, Nanded and Solapur shall be established for decentralized operations of the University. Each center will be headed by a Director/ Deputy Director/Jt. Director and shall be developed as an autonomous center to look after the colleges within its region of management. Appointment of the Director/ Deputy Director/Jt. Director will be for three years.

A 'Regional Center' means a Center established or maintained by the University, as its constituent unit, for the purpose of coordinating and supervising the work of students and institutions and for rendering any other assistance including training, conducting classes and administering examinations and for performing such other functions as may be conferred on such center by the Executive Council (EC).

With the new status of Affiliating Technological University, the University requires manpower at the priority Level. To fulfill the requirements of regulatory bodies like AICTE, NBA and NAAC, induction of Deans at the Main Centre, creating and filling University Officers on Statutory positions of Directors at main center, Regional Centers and Sub-centers the new appointments of faculty member in the University Department is essential.

Currently, the University is heavily Understaffed; the new offices shall also require Supporting staff. For efficient organization, their deployment in early phase of the development of the university is a must. The situation is similar at non teaching staff level. It is matter utmost importance to fill all the vacant position with the highest priority. The university has been following with concerned officers in the

Government to fill up all the vacant positions, The University, however, has been functioning with ad-hoc faculty and non-teaching staff.

University's Regional Centres:

There shall be four Regional Centres, one each at **Mumbai, Pune, Aurangabad, and Nagpur**

- (1) The Regional centre shall establish the following divisions or cells
 - Examination cell
 - Research and Development and Industry Co-ordination cell
 - Administration and Finance cell
 - Information and Communications Technology cell
 - Students Grievances Centre
- (2) The Director appointed by Executive Council will be the Head of each Regional Centre. Each of the divisions or cells shall be headed by a Joint Director.
- (3) The Sub-centres shall be operated and maintained as University's constituent unit, having University's complements of facilities, faculty and staff. The joint Director appointed by the University will be the head of the sub- Centres.

The Regional Centre is the direct connectivity between the affiliated colleges and the University. Its primary role is to ensure timely and orderly conduct of the examination at designated examination Centres in the region. But it shall address many more functions of the University.

Regional sub-Centres:

There shall be five sub-regional Centres, one each at **Amravati, Jalgaon, Nanded, Solapur and Kolhapur.**

(1) Each Sub-Regional Centre shall have the following Administrative Directors

- a) Jt. Director- Head of the Centre
- b) Dy. Director -Examination
- c) Dy. Director- ICT
- d) Jt. Director-Administration and Finance

(2) The Sub-centre shall establish, within its campus, all or any of the following divisions or cells and such other facilities as it may deem fit

- a) Examination cell
- b) Administration and Finance cell
- c) Information and Communications Technology cell
- d) Students Grievances Centre

(3) Each of the divisions or cells shall headed by Deputy Director

University's Strategic Aims:

1. To improve quality of technical education throughout the State.
2. To expand facilities for post-Graduate education by increasing intake capacity of existing Programmes and starting new Programmes.
3. To co-operate with industries both in public and private sectors with a view to devising courses of instruction which would meet the requirements of such industries.
4. To further the advancement of knowledge in Engineering Technology and allied sciences to prosecute and promote research.
5. To teach the examine students in such manner, and confer such Degrees, Diplomas, Certificates and other academic distinctions, as the University may deem fit.

Chapter Two

Authorities of the University

The Annual Report of the Dr. Babasaheb Ambedkar Technological University for the year ending on 31st March, 2018 has been prepared as per the directives of the Executive Council.

Chancellor: His Excellency Shri. Bhagat Singh Koshyari

Vice-Chancellor: Dr. V. R. Sastry

Executive Council:

In accordance with Section 27-29 of the Dr. Babasaheb Ambedkar Technological University Act No. XXII of 2014, the Executive Council of this University is hereby constituted for the period of three years with effect from 7th October, 2016 to 6th October, 2019.

Sr. No.	Name	Designation	Position in the Council
01	Dr. V. R. Sastry	Vice – Chancellor, (From 21 st March, 2019 to 28 th February, 2021)	Chairman
02	Dr. S. K. Mahajan	Director of Directorate of Technical Education (or his representative)	Member
03	Prof. G. D. Yadav	Nominee of the Chancellor	Member
04	Prof. P. V. Vijay Babu Prof. P. K. Brahmanekar	Two representatives of the Heads of the University Departments and Heads of conducted institutions (nominated by the Vice – Chancellor by rotation accordingly to seniority)	Member
05	Prof. M. S. Tandale Dr. S. V. Khobragade	Two Teachers of the University, one from among professors and one from among assistant professors (to be nominated by the Vice – Chancellor by rotation according to seniority).	Member
06	Padmashree.M. Kamble Mr. P. Chaudhary Dr. V. Vadke Prof. A. Kusre	Four eminent scientists or renowned technologists, (nominated by the State Government)	Member
07	Dr. S. B. Deosarkar Dr. M. Sadaiah Dr. B. R. Iyer	I/c Registrar (From 1 st April, 2019 to 31 st July, 2019) (From 4 th March, 2020 to 6 th March, 2020) I/c Registrar (From 1 st August, 2019, to 3 rd March, 2020) I/c Registrar (From 7 th March, 2020 to 31 st March, 2020)	Secretary

Academic Council:

Sr. No.	Name	Designation	Position in the Council
01	Dr. V. R. Sastry	Vice -Chancellor	Chairman
02	Dr. S. L. Nalbalwar	Dean, (Academics-FoE&T)	Member
03	Dr. N. Agrawal	Head, Dept. of Mechanical Engg.	Member
04	Dr. S. G. Dahotre	Head, Physics Dept.	Member
05	Dr. S. R. Sutar	Head, Dept of IT	Member
06	Dr. L. D. Netak	Head, Dept. of Computer Engg.	Member
07	Dr. S. R. Bhagat	Head, Dept. of Civil Engg.	Member

08	Dr. A. R. Chavan	Head, Dept. of chemical Engg.	Member
09	Dr. B. B. Singh	Head, Dept. of Mathematics	Member
10	Prof. S. S. Metkar	Head, Dept. of Petrochemical Engg.	Member
11	Dr. P. B. Lokhande	Head, Dept. of Chemistry	Member
12	Dr. U. Shiurkar	Principal, Deogiri College of Engg	Member
13	Dr. R. Barjibhe	Prof. S. G. CoEBhusawal	Member
14	Dr. A. Deshmane	Principal, B.I.T Barshi	Member
15	Dr. A. Jadhav	Principal Dnyashree College of Engg.	Member
16	Dr. N. H. Aloorkar	Dean (Pharmacy)	Member
17	Dr. H. Patil	Chairman Bos Computer Engg.	Member
18	Prof. D. Desai	Dean (Architecture)	Member
19	Prof. Y. V. Joshi	Director, SGGSJET Nanded	Member
20	Dr. A. P. Shesh	Head, Dept. of HSS	Member
21	Dr. B. Bonde	Bos Chairman, B. Voc	Member
22	Dr. S. Badave	Bos, Chairman (Electrical Engg.)	Member
23	Dr. V. S. Sathe	Controller of Examinations	Member
24	Dr. M. Sadaiah	I/c Registrar	Secretary

Planning and Evaluation Monitoring Board:

Sr. No.	Name	Designation
01	Dr. V. R. Sastry	The Vice –Chancellor, ex - officio Chairman
02	Ex – Officio	The Director of Technical Education or his representative, not below the rank of Joint Director
03	Dr. V. Vadke	The Chancellor's nominee on the Executive Council.
04	Prof. S. Khot Prof. H. Patil Prof. N. H. Aloorkar Prof. N. Kanhe	Four representatives of the Regional centres, one from each regional centres, to be nominated by the Vice – Chancellor
05	Prof. G. Latkar Prof. J. B. Patil Prof. K. Ottari Prof. Attar Prof. A. Jadhav	Five representatives of the Sub – centres, one from each sub – centres, to be nominated by the Vice – Chancellor by rotation.
06	Prof. Mrs. D. Desai	One member from amongst the Dean of Research and Development and the Deans of faculties, on rotation as per seniority.
07	Prof. B. N. Jagtap	Nominated by the Executive Council.
08	Prof. A. K. Deshmane Prof. A. Kulkarni	Two members nominated by the Academic Council.
09	Dr. M. Sadaiah	Registrar (I/c) as Secretary.

Building and Works Committee:

Sr. No.	Name	Position in the Council
1	Dr. V. R. Sastry	Chairman
2	Mr. P. Deshmukh	Member
3	Mr. P. S. Raut (Dy. Eng. PWD) (Representative of Executive Engineer)	Member
4	Dr. M. Sadaiah	Member

5	Mr. S. G. Bhutada	Member
6	Dr. K. V. Vadirajacharya	Member
7	Dr. S. L. Nalbalwar	Member
8	Dr. S. M. Pore	Member
9	Mr. S. K. Patil (Dy. Engr PWD Electrical)	Special Invitee
10	Dr. P. K. Katti	Special Invitee
11	Mr. V.S. Chavan	Member – Secretary

Finance Committee:

The Finance Committee has been constituted as per the Section 34(1) of the Act.

Sr No	Name	Position in the Council
1.	Dr. V. R. Sastry, Vice - Chancellor	Chairman
2.	Dr. M. Sadaiah, I/c Registrar	Member
3.	C. A, M. Kinare, Govt nominee	Member
4.	Dr. S. L. Nalbalwar	Member
5.	Dr. S. M. Pore	Member
6.	Dr. V. S. Sathe	Member
7.	Dr. S. B. Deosarkar	Member
8.	Prof. G. D. Yadav	Member
9.	Dr. A. Datta	Member
10	Dr. S. P. Yavalkar	Member
11	Mr. Bhutada S. G	Member Secretary

Purchase and Sales Committee:

The Purchase and Sales Committee is constituted

Sr. No	Name	Position in the Council
1	Dr. V. Rama Sastry, Vice - Chancellor	Chairman
2	Dr. M. Sadaiah, I/c Registrar	Member
3	Dr. S. B. Deosarkar, I/c Registrar	Member
4	Dr. S. L. Nalbalwar	Member
5	Dr. S. M. Jadhav	Member
6	Prof. S. V. Khobragade	Member
7	Prof. A. Kusre	Member
8	Mr. S. G. Bhutada	Member Secretary

Library Committee:

Library Committee is constituted.

Sr. No.	Name	Designation
01	Dr. Y. S. Mahajan	HOD - Chemical Engg.
02	Dr. A. P. Shesh	HOD - English Department
03	Prof. G. S. Warkhade	Mechanical Engg.
04	Prof. V. J. Kadam	Information Tech. Engg.
05	Prof. S. S. Metkar	Petrochemical Engg

Chapter Three

Departments of University

Department of Chemical Engineering

About the Department:

The department of Chemical Engineering was established in the year 1992 with B. Tech. Programme having an intake of 60 students. During the year 2000, M. Tech Programme in Chemical Engineering and during 2001 M. Tech Programme in Environmental Engineering with intake of 18 students each, were introduced. The department has also started Ph.D. Programme from the academic year 2003-04 and the department has the distinction of producing first Ph.D. in the University. The department has a dedicated team of faculty members. Majority of the faculty members are Ph.D. holders. The department has collaboration with ICT Mumbai to carryout innovative research Programmes.

Dr. Y. S. Mahajan
Head, Department of Chemical Engineering

Vision:

The vision of the department is to get national recognition for undergraduate Chemical Engineering Programme coupled with research strengths in the areas of Heat Transfer, Systems Engineering, Mass Transfer with Chemical Reactions and Biochemical Engineering.

Mission:

We provide a high-quality education experience that will prepare graduate to assume leadership positions within chemical and other associated industries. We foster and encourage the pursuit of new knowledge and innovative scholarship in chemical sciences and engineering. We provide leadership to the chemical engineering profession through dedicated teaching and service.

Overview of Academic Programme:

Academic Programme	Academic Programme	Duration	Intake
Undergraduate			
Bachelor of Technology (B. Tech.)	Chemical Engineering	Four Years	60
Postgraduate			
Master of Technology (M. Tech.)	Chemical Engineering	Two Years	18
Ph.D.	Chemical Engineering		----

Students Statistical Information:

No of Students (UG):285

No of Students (PG): 5

Faculty:

Sr. No.	Name	Designation	Qualification
1	Dr. P. V. Vijay Babu	Professor	Ph.D.
2	Dr. V. S. Sathe	Professor	Ph.D.
3	Dr. Y. S. Mahajan	Professor & Head	Ph.D.
4	Prof. A. M. Ghugal	Associate Professor	M.Tech
5	Dr. A. R. Chavan	Associate Professor	Ph. D

6	Prof. Mrs. S.P. Dhongade	Assistant Professor	M.Tech
7	Dr. A. S. Deshpande	Adjunct Faculty (Adhoc)	Ph. D
8	Mr. S. M. Jangam	Assistant Professor (Adhoc)	M.Tech
9	Ms. N. Malore	Assistant Professor (Adhoc)	M.Tech
10	Ms. A. B. Bhalke	Assistant Professor (Adhoc)	M.Tech
11	Ms. R. B. Deshmukh	Assistant Professor (Adhoc)	M.Tech

Advisory Board:

Sr. No.	Name	Designation
1.	Head, Chemical Engineering, Dr. Babasaheb Ambedkar Technological University, Lonere	Chairman
2.	Dr. S. Mahajani, Professor, Chemical Engineering, IIT Bombay	Member
3.	Dr. A. Patwardhan, Associate Professor, Chemical Engineering, ICT Mumbai	Member
4.	Dr. A. V. Orpe, Scientist, Chemical Engineering Division, NCL, Pune	Member
5.	Mr. D. M. Chati, Vice-President (Operations), Embio Ltd., Mahad	Member
6.	Mr. D. R. Degwekar, Vice-President (Operations), Excel Industries Ltd., Roha	Member
7.	Mr. S. B. Pathare, Executive Vice-President (Operations), Privi Organics Ltd., Mahad	Member

Departmental Strengths, Weaknesses, Opportunities and Challenges:

Strengths	<ul style="list-style-type: none"> • Highly dedicated and motivated faculty members. • Good supporting staff • Disciplined student
Weakness	<ul style="list-style-type: none"> • Insufficient faculty availability • Insufficient space
Opportunities	<ul style="list-style-type: none"> • Good scope for consultancy work and IRG • Good scope for collaborative projects • Good scope for expansion of the department
Challenges	<ul style="list-style-type: none"> • Managing all Departmental activities with the help of available faculty members. • Recruitment of qualified faculty members having Ph.D. qualifications • Managing with rural environment

Department of Civil Engineering

About the Department:

Department is Currently running B. Tech. Programme and Ph. D. Programme, 04 Part time and 01 Full time Research Scholars. 269 Undergraduate Students, 02 Regular and 08 Contract Basis Faculties, 05 Supporting Staff. 1100 sqm of space, 08 well equipped laboratories, 02 UG Classrooms, 01 PG Room. 15 Major and 987 minor equipment. 06 journal papers, 48 conference papers. 28 students got campus placements, almost all remaining helped out to get placed off-campus. 06 well equipped laboratories, 15 consultancy projects, 31 material testing assignments helped IRG of 5.85 Lakhs.

Dr. S. R. Bhagat
Head, Department of Civil Engineering

Vision:

Dissemination of technical knowledge and expertise for education of students and progress of industry, society, our country.

Mission

We aim at providing quality engineering education tuned with modern scientific and technological development.

Overview of Academic Programmes:

Academic Programme	Duration	Intake
B. Tech.in Civil Engg.	4 Years	54
Ph. D	3 Years	8 per faculty (max)

Students Statistical Information:

No of Students (UG): 269

Faculty:

Sr.No.	Name	Designation	Qualification
1	Dr. S. R. Bhagat	Professor & Head	Ph. D
2	Dr. S. M. Pore	Professor	Ph. D
3	Dr. M. S. Malandkar	Assistant Professor (Adhoc)	Ph. D
4	Ms. A. A. Darge	Assistant Professor (Adhoc)	M.E
5	Mr. G. A. Suryawanshi	Assistant Professor (Adhoc)	M.E
6	Ms. P. P. Mahajan	Assistant Professor (Adhoc)	M.E
7	Mr. A. N. Chavan	Assistant Professor (Adhoc)	M.Tech
8	Mr. B. R. Lagad	Assistant Professor (Adhoc)	M.E
9	Ms. S. V. Janjal	Assistant Professor (Adhoc)	M.Tech
10	Mr. S. V. Bhise	Assistant Professor (Adhoc)	M.Tech
11	Ms. S. Payghan	Assistant Professor (Adhoc)	M.Tech

Advisory Board:

Sr.No.	Name	Designation	Institute
1	Dr. S. R. Bhagat	Associate Professor and Head of the Department	DoCE, Dr. Babasaheb Ambedkar Technological University.
2	Er. M. R. Girish	Senior Engineer	KRCL
3	Mr. U. Magdum	Civil Engineer (Maintenance)	POSCO, Maharashtra, Vile
4	Dr. A. R. Kambekar	Professor	SPCE, Mumbai
5	Er. P. S. Raut	Deputy Engineer	PWD, GoM
6	Dr. S. M. Pore	Associate Professor	DoCE, Dr. Babasaheb Ambedkar Technological University.

Departmental Strengths, Weaknesses, Opportunities and Challenges:

Strengths	<ul style="list-style-type: none"> Leadership & guidance from Hon. Vice-Chancellor, Academic Council and Executive Council. Curriculum considering Basic needs of course and employability. Assured source of grants from University Budget & Prospective
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	resources such as AICTE, UGC, GoM, GoI. <ul style="list-style-type: none"> • Well-equipped and running labs for students. • Young and enthusiastic team of faculty.
Weaknesses	<ul style="list-style-type: none"> • Shortage of competent faculty leads to overstressing of available manpower. • Inadequate furniture and civic amenities • Evaluation system is exam-centric leading to high number of examinations and leaving little time for faculty to find interest in project related activities.
Opportunities	<ul style="list-style-type: none"> • Number of students of this department compete in the competitive examinations like GATE, TOEFL, and GRE. • Infrastructure development in country is moving with very fast rate. There is acute shortage of competent civil engineers in all the fields.
Challenges	<ul style="list-style-type: none"> • Conducting departmental activities with the help of freshly graduated faculty members. • Producing engineers of required quality for the industry

Future Plans of the Department:

- To become a reputed seat of knowledge in Civil Engineering.
- To produce Civil Engineers required for Indian Industry.
- To promote institute – industry linkage for effective implementation of Programme objectives.
- To promote need based research in Civil Engineering.

Department of Computer Engineering

About the Department:

The department of Computer Engineering was established in the year 1995 initially with B. Tech. Programme having intake of 60 students. In the year 2001, two additional Programmes were introduced. First, M. Tech. Programme in Computer Engineering with an intake of 18. Second, B. Tech. Programme in Information Technology with an intake 60 students. In the year 2004, the B. Tech. Programme in Information Technology was shifted to the newly created department of Information Technology. In the year 2008, the first research scholar for Ph. D. Programme was enrolled in the department.

Graduates of the department are trained with three kinds of knowledge and skills so that they can apply the principles of Computer Science and Engineering to solve real-life problems from diverse application domains. *First*, the graduates are provided with the conceptual knowledge of the core topics of Computer Science. *Second*, they are also trained for knowledge of mathematical formalisms underlying various Programming concepts. *Third*, graduates undergo rigorous practical training in which they acquire skills for the state-of-the-art technologies and tools.

Dr. L. D. Netak
Head, Department of Computer

Vision:

The department is committed to achieve academic excellence through education and research in the emerging and established areas of Computer Science and Engineering.

Mission:

Building the capacities of young students to realize their professional and academic dreams.

Overview of Academic Programmes:

Sr. No.	Name of the Programme	Sanctioned Intake
1	Bachelor of Technology (Computer Engineering) B. Tech.	60
2	Master of Technology (Computer Engineering) M. Tech.	18
3	Doctor of Philosophy Ph. D.	13 on roll

Students Statistical Information:

No of Students (UG): 292

Faculty and Staff:

Sr.No.	Name of Faculty	Designation	Qualification	Area of Specialization
1	Dr. A. W. Kiwelekar	Professor	Ph.D.	Software, Architecture, Artificial Intelligence
2	Dr. L. D. Netak	Associate Professor & Head of the Department	Ph.D.	Computer Networks, Optical Networks
3	Ms. M. Laddha	Assistant Professor (Senior Scale)	M.Tech.	Object – oriented Programming Software testing
4	Mr. H. Akarte	Assistant Professor (Senior Scale)	M.E.	Wireless sensor Networks, Distributed Systems
5	Ms. I. R. A. Jhetam	Assistant Professor (Senior Scale)	M.Tech.	Databases, Software Engineering
6	Mr. S. U. Waikar	System Analyst	M.Tech.	System Administration
7	Ms. A. Amburle	Assistant Professor (Adhoc)	M. Tech.	Natural Language Processing
8	Ms. H. A. Sattar Gangrekar	Assistant Professor (Adhoc)	M. Tech.	Artificial intelligence, Programmable Languages
9	Ms. H. Gaikwad	Assistant Professor (Adhoc)	M. Tech.	Information Security, Web mining
10	Ms. K. Aher	Assistant Professor (Adhoc)	M. Tech.	Database Management system
11	Ms. R. T. Kalyane	Assistant Professor (Adhoc)	M. Tech.	Machine learning, Data science
12	Mr. R. R. Rathod	Assistant Professor (Adhoc)	M.E	Software Engineering E-Learning

Advisory Board:

Sr. No.	Name	Organization/Industry
1	Dr. R. K. Joshi	IIT Bombay
2	Dr. A. Karkare	IIT Kanpur
3	Mr. S. Bhat	Sarvasha Systems Pvt. Ltd
4	Dr. S. Deshmukh	Data Torrent Pune
5	Mr. A. Chundurwar	Reliance Jio, Mumbai
6	Mr. S. M. Bhilegaonkar	Bosch+Lomb, Pune Division

Departmental Strengths, Weaknesses, Opportunities and Challenges:

Strengths	<ul style="list-style-type: none"> Well designed Academic curricula. Transparent Teaching Learning Process. Informal but strong connections with alumni.
Weaknesses	<ul style="list-style-type: none"> Inadequate Faculty / Staff. Un-aided PG Programme. Under-developed Research and consultancy culture
Opportunities	<ul style="list-style-type: none"> Increasing demand for Ph.D. Programme. Awareness of ICT-based solutions in educational activities. Exponential growth of hand-held devices.
Challenges	<ul style="list-style-type: none"> Rural background. Frequent power Shut-down. Motivating staffs and students for professional attitude.

Department of Electrical Engineering

About the Department:

The department of electrical engineering is one of the pioneer engineering departments of the University. The department had passed a journey of 25 years. I am proud to be the founder member of this department and happy to note that based on excellent performance of students and staff, the department has got accreditation from NBA for successively two terms from 2003 to 2006 and 2006 to 2009. The beginning of a P.G. course in power system with an intake of 18 students is an extra feather to the department to initiate research activity. The registration of research scholars in emerging areas of power system and power electronics adds strength to research activity of the department. The department believes in skill training thus has maintained well equipped laboratories in the emerging areas with standard high end equipment. Many of our aluminous have attained prestigious positions in organizations of repute in India and abroad.

Prof. M. F. A. R. Satarkar
Head, Department of Electrical Engineering

Vision:

To be a leading center for transformation of new trends in Electrical Energy and Technology through education, innovation of international acceptance to national industries and local society at affordable cost.

Mission:

To cater the needs of Electrical Engineering Graduates to excel in the challenges of modern society through sound knowledge of fundamentals and applications, to work intensely with industry leading to the development of cutting edge and commercially-viable technologies.

Overview of Academic Programmes:

Academic Programme	Duration	Intake
B. Tech in Electrical Engineering	Four Years	54

Faculty and Staff:

Sr. No.	Name	Designation	Qualification	Area of Interest
1	Prof. M. F. A. R. Satarkar	Associate Professor and Head of the Department	M.E.	Power System
2	Dr. P. K. Katti	Professor	Ph. D	Power System
3	Dr. K. Vadirajacharya	Professor	Ph. D	Power System
4	Mr. A. M. Bhaware	Assistant Professor (Adhoc)	M. Tech	Power System
5	Mr. P. V. Gaikwad	Assistant Professor (Adhoc)	M. Tech	Power System
6	Mr. P. V. Patil	Assistant Professor (Adhoc)	M. Tech	Power System
7	Mr. A. R. Bhavsar	Assistant Professor (Adhoc)	M. Tech	Power System
8	Mr. R. R. Kundankar	Assistant Professor (Adhoc)	M. Tech	Power System
9	Ms. P. L. Kotwal	Assistant Professor (Adhoc)	M. Tech	Power System
10	Mr. A. W. Nale	Assistant Professor (Adhoc)	M. Tech	Power System

Advisory Board:

Sr. No.	Name
1	Prof. M. F. A. R. Satarkar, Chairman
2	Dr. D. J. Doke
3	Dr. M. K. Khedkar
4	Dr. S. E. Talange
5	Mr. V. Kulkarni
6	Mr. V. Garg
7	Mr. S. Khened
8	Mr. A. Deshpande

Departmental Strengths, Weaknesses, Opportunities and Challenges:

Strengths	<ul style="list-style-type: none"> • Dedicated staff / faculty • In campus accommodation • Liberalized policy for quality up gradation. • Government organization • Well equipped labs for UG, PG as well Research Scholars.
Weaknesses	<ul style="list-style-type: none"> • Very poor faculty & staff strength • Lack of adequate space for laboratory • Very poor commutation and communication facilities. • Non availability of most common amenities like medical, school, recreation and township facilities

	<ul style="list-style-type: none"> • No proper/stable leadership
Opportunities	<ul style="list-style-type: none"> • Larger opportunities for getting exposure in different administrative activities. • Leading/ Premier Technical institute of state.
Challenges	<ul style="list-style-type: none"> • Retention ratio of faculty and staff • Increasing the intake capacity.

Department of Electronics & Telecommunication Engineering

About the Department:

The department of Electronics and Telecommunication Engineering was established in the year 1995 initially B. Tech. Programme is started with intake of 60 students. In 2001, M. Tech. Programme in Electronics & Telecommunication Engineering with an intake of 18 students was introduced. From academic year 2008-2009, intake of B. Tech. has been increased to 120 students. The department has started Ph. D. Programme from the academic year 2002-03, Currently 19 research scholars are working in the of Signal Processing, Computer Network and Microwave Communication area. Department is offering fellowship to M. Tech. and Ph. D. students under TEQIP fellowship. The curriculum designed is a perfect blend of Electronics, Communication and Computing Technologies. The focus of the department is to produce Graduates & Post Graduates with strong fundamentals in Electronics and Communication engineering. The department has received handful amount of funding from AICTE, UGC, TEQIP and State Government for various research projects. The faculty members are having strong background of research in the emerging areas of communication engineering.

Dr. S. L. Nalbalwar
Head, EXTC Department

Vision:

The vision of the department is to achieve excellence in teaching, learning, research and transfer of technology for development of society.

Mission:

The Electronics and Telecommunication Engineering Department constantly aims at providing quality education and works towards the fulfillment of the goal and objectives in pace with the modern scientific and technological development.

Overview of Academic Programmes:

Sr. No.	Course	Duration	Intake
1.	UG (B. Tech.)	Four Years	108
2.	PG (M. Tech.)	Two Years	16
3.	Ph. D.		

Students Statistical Information:

B. Tech. in E & TC Engineering No of Students: 460

M. Tech. in E & TC Engineering No of Students: 4

Ph.D. in E & TC Engineering (After M. Tech./M.E.) No of Students: 5

Faculty:

Sr.No.	Name of Faculty	Designation	Qualification	Area of Expertise
1.	Dr. S. B. Deosarkar	Professor	M.E., Ph. D	Microwave Engineering
2.	Dr. S. L. Nalbalwar	Professor & Head of the Department	M.E., Ph. D (IIT D)	Signal Matched FilterBank
3.	Dr. A. B. Nandgaonkar	Professor	M.E, Ph. D	Microstrip Antenna
4.	Dr. N. S. Jadhav	Associate Professor	M. Tech, Ph. D.	VLSI Design
5.	Mr. S. V. Khobragade	Assistant Professor	M.E	Microstrip Antenna
6.	Dr. B. R. Iyer	Assistant Professor	M. Tech, Ph. D.	RF and Microwave
7.	Mrs. P. Ingale	Assistant Professor (Adhoc)	M.Tech, Ph. D.(ongoing)	Signal Processing
8.	Ms. M. Kamble	Assistant Professor (Adhoc)	M.Tech	Signal Processing
9.	Mrs. J. Kalgi	Assistant Professor (Adhoc)	M.E.	Digital Electronics
10.	Mr. R. Bonde	Assistant Professor (Adhoc)	M.E.	Image Processing
11.	Mr. R. Rathod	Assistant Professor (Adhoc)	M.E.	Embedded System
12.	Mr. G. Kale	Assistant Professor (Adhoc)	M.E.	Microstrip Antenna
13.	Mr. S. Bavkar	Assistant Professor (Adhoc)	M.E., Ph. D. (ongoing)	Signal Processing
14.	Mr. M. Kendre	Assistant Professor (Adhoc)	M.Tech.	Microstrip Antenna
15.	Mrs. M. Mehta	Assistant Professor (Adhoc)	M.Tech	Image Processing
16.	Mr. K. Kurangkar	Assistant Professor (Adhoc)	M.Tech	Signal Processing
17.	Ms. S. Ghosalkar	Assistant Professor (Adhoc)	M.Tech	Embedded System
18.	Ms. S. Shinde	Assistant Professor (Adhoc)	M.Tech	Digital Electronics
19.	Mr. T. Mahagaonkar	Assistant Professor (Adhoc)	M.E	VLSI

Advisory Board:

	Advisory Board Members
1	Lt. Cdr (Retd) R. Kale
2	Dr. M. Sayyad
3	Dr. S. Lok
4	Dr. S. B. Gadewar
5	Dr. V. M. Gadre
6	Dr. R. R. Manthalkar
7	Dr. S. G. Bhirud

Departmental strengths, Weaknesses, Opportunities and Challenges:

Strengths	<ul style="list-style-type: none"> • Highly qualified dedicated and motivated faculty members. • Departments receives funding from AICTE, UGC and state Government of Maharashtra for various research project and innovation activities association all alumini provide support to student of Department. • Guidance and support from Alumni. • Department has very large alumini. • Research publication by faculty members is available reputed Journals. • Well-equipped Laborotories for UG, PG and Research Scholars.
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Weaknesses	<ul style="list-style-type: none"> • Considering total intake of the department providing adequate infrastructure such as classroom Laboratories for the students in a challenge. • Faculty requirement: Presently, faculty strength of department is six. However, department activities are carried out by appointing faculty on contract basis and also by appointing teaching assistants.
Opportunities	<ul style="list-style-type: none"> • Our graduates have very good job opportunities in Embedded Systems, IoT, Signal Processing, RF Communication, VLSI technologies, Mobile Communication and in Software Engineering. • Every year many of our students are getting placed in industries like Infosys, Accenture, Cognizant, TCS, Reliance, etc.
Challenges	<ul style="list-style-type: none"> • Managing all departmental activities with the help of available faculty members. • Recruitment of qualified faculty members having Ph. D. qualification. • Attracting talented studentsto UG, PG and Ph. D Programmes.

Department of Information Technology

About the Department:

The department of Information Technology was established in the year 2001 with B. Tech. Programme having intake of 60 students under the umbrella of department of Computer Engineering. The B.Tech. Programme in Information Technology was shifted to the newly created department in 2004. The first research scholar for Ph.D. Programme enrolled in the department in 2015. One faculty has completed Ph.D. and two faculty members are pursuing their Ph.D. The Department has set tradition of achievements in sports, cultural activities, extracurricular activities, competitive examinations like GATE, MBA-CET etc. and campus placements.

Dr. S. M. Jadhav
Head, Deaprtment of IT

Vision:

Impart highest quality, technology-based education, in the most cost-effective manner, to facilitate the University mission as it applies to the management, teaching, learning, and community service.

Mission:

Provide effective technology support for audio/visual, computer, multimedia, voice, video, and web-based applications to fulfill the need of students and staff. Promote and facilitate the effective integration of technology into the basic mission of the University through planning, Programmeming, training, consulting, and other support activities. Develop, enhance, and manage the University enterprise networks to provide high speed, transparent and highly functional connectivity among all information resources. Develop and maintain highly effective, reliable, secure, and innovative information systems to support instructional, administrative and research activities. Facilitate the collection, storage, security and integrity of electronic data while ensuring appropriate access, innovative applications.

Overview of Academic Programme:

Academic Programme	Duration	Intake
B. Tech. in Information Technology	Four Years	54

Students Statistical Information:

No of Students (UG): 270

No of Students Enrolled for Ph. D:11

Faculty:

Sr. No	Name	Designation	Qualification
1	Dr. S. M. Jadhav	Associate Professor and Head of the Department	M.E, Ph.D
2	Dr. S. R. Sutar	Associate Professor	M.Tech, Ph.D
3	Prof. V. J. Kadam	Assistant Professor	M.Tech, Ph.DPersuing
4	Prof. A. R. Babhulgaonkar	Assistant Professor	M.Tech, Ph.DPersuing
5	Prof. S. V. Bharad	Assistant Professor	M.Tech
6	Prof. S. S. Barphe	Assistant Professor	M.Tech, Ph. DPersuing
7	Prof. S. R. Hivre	Assistant Professor	M.Tech
8	Prof. S. S. Yadav	Assistant Professor (Adhoc)	M.Tech, Ph. DPersuing
9	Prof. S. B. More	Assistant Professor (Adhoc)	M.Tech
10	Prof. E. Mesharam	Assistant Professor (Adhoc)	M.E

Advisory Board:

Advisory Board	
1	Dr. G. Sivakumar, IITB
2	Dr. B. B. Meshram, VJTI, Mumbai
3	Mr. S. Dhage, IBM, Pune
4	Dr. L. N. Singh, Dr. Babasaheb Ambedkar Technological University, Lonere

Departmental Strengths, Weaknesses, Opportunities and Challenges:

Strengths	<ul style="list-style-type: none"> • Young and experienced faculty members. • Dedicated staff and faculty. • Campus wide networking. • Latest Teaching/Learning aids like smart class room. • Adequate infrastructure
Weaknesses	<ul style="list-style-type: none"> • Lack of Ph. D. qualified faculty. • Shortage of faculty. • Higher faculty positions are vacant.
Opportunities	<ul style="list-style-type: none"> • Starting PG courses. • Starting finishing schools. • Establishment of Departmental library. • Training for New Technology awareness. • Consultancy like cyber crime detection. • Enrollment of faculty for Higher studies.

Challenges	<ul style="list-style-type: none"> • Curriculum development as per industrial needs. • Dynamic nature of IT field. • Training of faculty. • Research facilities
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Department of Mechanical Engineering

About the Department:

Established in the year 1992, the Department of Mechanical Engineering offers various academic Programmes, like B. Tech. (Mechanical Engineering), M. Tech. (Manufacturing Engineering), M. Tech. (Thermal & Fluids Engineering) and Ph.D. The department takes pride in its highly qualified and motivated faculty members most of whom are PhDs from IITs. The alumni of the Department have made a mark in industry and profession. Over the years, the department has maintained good academic and research culture. As a result, the faculty members in the department have published more than 600 papers in peer-reviewed international journals and conferences so far. Further, some of the laboratories have developed innovative products which are being patented for commercial usage. The Department has strong linkages with institutes like IIT Bombay and BARC. In addition, the Department has also conducted several continuing education Programmes (CEPs) and STTPs for the benefit of faculty and industry personnel.

Dr. M. Sadaiah
Head, Department of Mechanical Engineering

Vision:

The vision of the department is to achieve excellence in teaching, learning, research and transfer of technology and overall development of students

Mission:

Imparting quality education, looking after holistic development of students and conducting need-based research and extension.

Overview of Academic Programmes:

Academic Programme		Duration	Intake
B. Tech	Mechanical Engineering	Four Years	54
M. Tech	Manufacturing Engineering	Two Years	16
M. Tech	Thermal Engineering	Two Years	16
Ph. D.	Mechanical Engineering	---	27

UG Students Statistical Information:

No of Students: 281

Faculty:

Sr.No.	Name of Faculty	Designation	Qualification
1.	Dr. M. Sadaiah	Professor& Head	M.E. (Production Engg.) Ph.D. (Manufacturing Engg.)
2.	Dr. M. S. Tandale	Professor	M.Tech. (Mechanical Engg.) Ph.D. (Mechanical Engg.)
3.	Dr. V. G. Sargade	Professor	M.Tech. (Mechanical Engg.) Ph.D. (Mechanical Engg.)
4.	Dr. R. P. Kate	Associate Professor	M.Tech. (Enrgy Systems Engg.) Ph.D. (Mechanical Engg.)
5.	Dr. N. Agrawal	Associate Professor	M. Tech. (Ref. & AC, Mechanical Engg.) Ph.D. (Mechanical Engg.)
6.	Dr. R. S. Pawade	Associate Professor	M. E. (Machine Tool Engg.) Ph.D. (Mechanical Engg.)
7.	Dr. H. N. Warhatkar	Associate Professor	M. Tech. (Mechanical Engg.) Ph. D. (Mechanical Engg.)
8.	Dr. B. F. Jogi	Associate Professor	M. Tech. (Manufacturing Technology) Ph.D. (Nano Materials)
9.	Dr. H. S. Joshi	Assistant Professor	M.E. Mechanical- CAD/CAM Ph.D. Mechanical Engg.
10.	Dr. G. S. Warkhade	Assistant Professor	M.Tech. (Thermal and Fluids Engg.) Ph. D. (Mechanical Engg.)
11.	Dr. D. B. Waghmare	Assistant Professor	M. E. (Mechanical - Production Engg.) Ph. D. (Mechanical Engg.)
12.	Prof. S. R. Dhale	Assistant Professor	M. E. (Design Engg.) Ph.D. Ongoing (Manufacturing Engg.)
13.	Prof. A. J. Chapekar	Adjunct Faculty (Adhoc)	M. Tech (Thermal Engg.) MBA (Marketing)
14.	Mr. P. D. Agwane	Assistant Professor (Adhoc)	M. Tech (Design Engg.)
15.	Mr. A. Gangan	Assistant Professor (Adhoc)	M. Tech (Design Engg.)
16.	Mr. A. Mahajan	Assistant Professor (Adhoc)	M. Tech (Manufacturing Engg.)

Advisory Board:

Advisory Board	
1	Prof. N. V. Sahasrabudhe
2	Dr. S. M. Mane
3	Prof. V. Nyayadhish
4	Mr. A. B. Joshi
5	Mr. B. Mall

Departmental strengths, Weaknesses, Opportunities and Challenges:

Strengths	<ul style="list-style-type: none"> Highly qualified, committed and stable faculty. Strong linkages with IIT-B, BARC and ICT Mumbai. Liberal faculty development policy and attitude. Residential campus. UGC grants under 12(B). Good research culture & work culture. Autonomy & academic freedom.
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Weaknesses	<ul style="list-style-type: none"> • M. Tech. Admissions • Location disadvantages: <ul style="list-style-type: none"> • Industry institute collaboration. • Placement of student. • Infrastructure: Lab space on the ground floor.
Opportunities	<ul style="list-style-type: none"> • Demand for researchers and innovators due to knowledge-driven economies: <ul style="list-style-type: none"> • Enhancing M. Tech. Programmes particularly in inter-disciplinary areas, starting dual degree Programmes. • Enhancing Ph.D. Programmes. • To become a QIP Centre for M. Tech. & Ph.D. Programmes. • Enhancing sponsored research, consultancy, CEPs for academia and industry. • Technical services to rural community by developing appropriate technologies. • Public-private partnerships.
Challenges	<ul style="list-style-type: none"> • Retention of faculty. • Attracting talented students. • Competition from foreign universities and private universities. • Competition from countries like China, Philippines, etc.

Department of Petrochemical Engineering

About the Department

Department of Petrochemical Engineering holds the unique distinction of being the first department established in this university with the intake capacity of 30 students in 1989. Department has good infrastructure facilities, well equipped laboratories, advanced software and a blend of experienced and young dynamic faculty. Department have organized different workshops at national level on topics like Energy conservation, Plant Utilities and Steam Engineering in the last three years. From the academic year 2008-2009 the intake capacity of students for the department have been increased to 60 from 30. Over the year's department faculty have received grants for different projects from AICTE, UGC and TEQIP. Department students are performing excellently in different fields like Industry, Academia, Research and Management all these years.

Prof. Vasant P. Jawanjal
Head, Department of Petrochemical Engineering

Vision:

The Department of Petrochemical Engineering aims to be ranked amongst the best departments in India for its teaching, research, creativity and innovation.

Mission:

To provide high quality education to enable our graduates to identify and achieve their goals.

Overview of Academic Programme:

Academic Programme	Name of Programme	Duration	Intake
Bachelor of Technology (B. Tech.)	Petrochemical Engineering	Four Years	60

UG Students Statistical Information:

No of Students: 241

Faculty:

Sr. No.	Name	Designation	Qualification	Area of Interest
1	Prof. V. P. Jawanjal	Associate Professor & Head	M.Tech	Refinery Engineering & Separation Process
2	Mrs. S. S. Metkar	Associate Professor	M.Tech	Reaction Engineering & Membrane Separation
3	Mrs. S. M. Mhatre	Assistant Professor	Ph. D	Mass Transfer Reaction kinetics
4	Ms. P. Pore	Assistant Professor (Adhoc)	M.Tech	Fluid Flow Dynamics
5	Mr. S. Danao	Assistant Professor (Adhoc)	M.Tech	Water Purification
6	Mr. A. K. Saxena	Assistant Professor (Adhoc)	M.E	Mass Transfer
7	Mr. S. Z. Sayeed	Assistant Professor (Adhoc)	M.Tech	Process Intensification
8	Mr. P. Nande	Assistant Professor (Adhoc)	M.Tech	Petroleum Refining
9	Ms. L. Rawoot	Assistant Professor (Adhoc)	M.Tech	Environmental Analysis

Advisory Board:

Sr. No	Name	Designation	Organization/Industry
1	Prof. V. P. Jawanjal	Chairman	Dr. Babasaheb Ambedkar Technological University, Head of the Department, Petrochemical Engg.
2	Mr. M. Purohit	General Manager	Aquapharma Ltd. Mahad
3	Mr. S. Sheth	Site Manager	Akzo Nobel India Ltd. Mahad
4	Mr. P. Karambele	Manager -Technical	Excel Industries Ltd. Roha
5	Prof. V. Rathod	Professor	I.C.T. Mumbai
6	Dr. A. Kulkarni	Scientist	N.C.L. Pune

Department Strengths, Weaknesses, Opportunities and Threats:

Strengths	<ul style="list-style-type: none"> Dedicated and motivated faculty members. The curriculum design is a perfect blend of core chemical engineering content along with extension to the area of petroleum sector in depth. Curriculum is designed to take care of changing scenario in terms of techno-economic as well as social changes. For this software-based courses, inclusion of industrial training and interdisciplinary interaction are encouraged. The department regularly gets handful amount of funding from AICTE, UGC, and State Government by way of various research or other projects.
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	<ul style="list-style-type: none"> Guidance and support from Alumni.
Weaknesses	<ul style="list-style-type: none"> Maintenance of equipment and analytical instruments is a big challenge. Lack of expertise at local level in addition to unavailability of spares adds to sudden disruption. Lack of permanent and adequate space for laboratory and class room Faculty shortage.
Opportunities	<ul style="list-style-type: none"> The University is surrounded by industrial belt (Especially Chemical Industries and petrochemical Complexes). Every year many of our students get placement in reputed industries like Infosys, Cognizant, and many chemical industries but still there is a scope for full utilization of nearby industrial environment for betterment of student community. Conducive environment for Collaborations and Availability of Industrial Expertise
Challenges	<ul style="list-style-type: none"> Getting qualified faculty members and improving their retention period. Attracting good CET score students for UG Programme.

Department of Chemistry

About the Department:

Department of Chemistry was established in the year 1989 with B.Tech. Programmes in various fields of Engineering and Technology. Laboratory is well equipped with state-of-art analytical equipments such as Chemical Oxygen Demand, Dissolved Oxygen setup, Gas Chromatography, UV- Visible Spectrophotometer, Photo reactor etc. Department is having five experienced and dedicated faculty members. Their contribution towards academic and other activities for the department add beneficial values. Department is engaged in research by offering Ph.D. Programmes in Chemistry since 2003. Department has published good numbers of research papers in the area of Photocatalyst, Environmental Chemistry, Solid State Chemistry, Phytochemistry etc.

Dr. H. A. Mujaawar
Head, Department of Chemistry

Vision:

To achieve academic and research excellence in the multidisciplinary areas of Chemical Sciences and Technology.

Mission:

To impart the basic and advanced knowledge of Chemistry and their applications to various fields of Engineering and technology.

Overview of Academic Programmes:

Academic Programme	Duration	Intake
Engineering Chemistry B. Tech First year	Sem- I and II of 2019-20	540+
Advanced Engineering Chemistry B. Tech Second year (Chemical and Petrochemical)	Sem-III of 2019-20 (Theory) Sem-IV of 2019-20(Practical)	150+

Faculty:

Sr. No	Name of Faculty	Designations
1	Dr. H. A. Mujawar	Professor and Head of the Department
2	Dr. P. B. Lokhande	Associate Professor
3	Mr. S. V. Salunkhe	Assistant Professor (Adhoc)
4	Miss. M. M. Kadam	Assistant Professor (Adhoc)
5	Miss. S. B. Kamble	Assistant Professor (Adhoc)

Advisory Board:

Sr.No.	Name	Designation
1	Dr. H. A. Mujawar	Professor and Head
2	Dr. P. B. Lokhande	Associate Professor
3	Dr. M. H. Pendse	Associate Professor and Head, Walchand College of Engineering, Sangli (External)
4	Dr. B. B. Singh	Professor (External)

Departmental strengths, Weaknesses, Opportunities and Challenges:

Strengths	<ul style="list-style-type: none"> • Qualified and experienced faculty. • Laboratory is well equipped with state-of-art analytical equipments. • Active involvement of faculty in different administrative works. • Good number of publications in reputed international and national journals.
Weaknesses	<ul style="list-style-type: none"> • As per UGC / AICTE we have to maintain student teacher ratio therefore department is having shortage of teaching and Technical Laboratory Staff. • Lack of sufficient space in the main building. • Industry - Academia interaction.
Opportunities	<ul style="list-style-type: none"> • There are numerous opportunities for us to interact with industries and CSIR / DST research laboratories to carry out joint minor/ major research projects however it is very difficult due to above mentioned weaknesses. • To start PG, course in Chemistry.
Challenges	<ul style="list-style-type: none"> • At present University is now become State Technological University, many of the Engineering and Technological Colleges / Institute across the State of Maharashtra going to affiliate in next Academic Year. The newly designed syllabus will be implemented to them therefore it will be a big challenge for us to interact and cooperate with the faculty members of Affiliated Colleges for smooth functioning of their academic activities. • To establish the full-fledged separate department with multidisciplinary courses.

Department of English

About the Department:

The Department is established in the year 1989. The Department is committed to transform the scene of education in the area of English language. The staff members are also trying to implement different teaching-learning strategies for the actual experiences. It is also the endeavour of the Department to contribute the world of research due to which the department would be a major player in the world of education. Since the inception department is involved in curricular and extra-curricular activities at the University. The Department of English offers courses, entitled 'Communication Skills' and 'Basic Course in Human Rights'. The Department has established a Language Laboratory in the academic year 2005-2006 to set a very good example of teaching learning through the use of technology.

Dr. A. P. Shesh
Head, Department of English

Vision:

To impart the linguistic proficiency to the students of engineering and technology in order to make them world leaders.

Mission:

The Department aims to develop the students as the industry professionals with discipline and skills required to play the role of good citizen. It also aims to establish links with other institutions and industry for the enhancement of knowledge skills.

Faculty:

Sr. No	Name of Faculty	Designations	Qualification
1	Dr. A. P. Shesh	Associate Professor & Head	M. A. (English), Ph. D
2	Mr. S. Y. Kolekar	Assistant Professor (Adhoc)	M. A (English, NET 03 Times)
3	Mr. R. L. Dhanpalwar	Assistant Professor (Adhoc)	M. A. (English), M. Phil, SET, NET, And Ph. D. (Ongoing)

Plan of Action:

- More interactive teaching and internal assessment.
- To undertake research in English Literature and ELT.
- To introduce training in different foreign languages which would be useful for the students for employment.

Department of Mathematics

About the Department:

The Department of Mathematics came into existence in the year 1989. The Department is mainly devoted at present to impart education of Mathematics at UG level. That is why, it has taken all the various aspects into consideration while framing the course structure of Mathematics subjects at UG/Doctoral level to suit the requirements of today's Scientists, Engineers and Applied Mathematicians. To meet the end, the subjects like Engineering Mathematics I, II and III have been introduced at UG level of engineering education of our University. In this way, the first objective of the Department while framing the syllabi has been to make available much of post-calculus Mathematics needed and used by scientists and engineers, in a setting that is helpful to both engineering students and faculty.

Dr. B. B. Singh
Head, Department of Mathematics

Vision:

The Department of Mathematics strives to be recognized for excellence among academic institutions in India and abroad through the depth of its teaching and research, and to be locally relevant through its role in the development of the community it serves. The Department wishes to focus on providing a comprehensive curriculum at undergraduate, postgraduate and Ph.D. Programmes, relevant to research and career opportunities in India and abroad.

Mission:

To promote teaching, research and mathematical understanding of students, and to inculcate in a student a deep sense of analysis of all fundamental principles, concepts and practices in the specialized areas of sciences, engineering and technology.

Overview of Academic Programmes:

Academic Programme	Duration
Ph.D.	Minimum 3 years

Faculty:

Sr. No	Name	Designation	Qualification	Area of Specialization
1	Dr. B. B. Singh	Professor and Head of the Department	M. Sc, Ph. D. (BHU)	Fluid Mechanics
2	Dr. V. J. Bansod	Professor	M. Sc, Ph. D. (IIT Kanpur)	Computational Fluid Dynamics
3	Mr. R. Sonawane	Assistant Professor (Adhoc)	M. Sc.	Applied Mathematics
4	Miss. D. Phantagare	Assistant Professor (Adhoc)	M. Sc.	Applied Mathematics
5	Mrs. R. Rahul Oka	Assistant Professor (Adhoc)	M. Sc.	Applied Mathematics

Departmental Strengths, Weaknesses, Opportunities and Challenges:

Major Strengths	<ul style="list-style-type: none">All the faculty members of the Department are holding the Doctoral qualifications.
Weaknesses	<ul style="list-style-type: none">Unavailability of adequate number of regular teaching positions in the Department.
Opportunities	<ul style="list-style-type: none">Starting of a five-year integrated M.Sc. Programme in Mathematics.
Challenges	<ul style="list-style-type: none">Maintenance of the quality of teaching at UG level.

Department of Physics

About the Department:

The Department of Physics was established in the year 1989 to offer a foundation in Physics to provide all basic and scientific knowledge to the various disciplines of undergraduate students of Engineering and Technology. The Department has started Ph.D. Programme from the academic year 2004. Department is also offering fellowship to Ph.D. students under University scheme. The curriculum designed is a perfect blend of Physics. The focus of the Department is to produce graduates & Ph.D. with strong fundamentals in Physics and Applied Physics. 06 students have completed their Ph.D. in the various fields of CMR materials, Nano Ferrites, Carbon nano tubes and fuel cells.

Prof. L. N. Singh
Head, Department of Physics

Vision:

To promote excellence in teaching, learning, research and transfer of science and technology and overall development of students.

Mission:

To inculcate in the students a deep understanding in science and scientific principles in order to develop strong basis for acquiring technical knowledge and skill.

Faculty:

Sr.No.	Name of Faculty	Designation
1	Prof. L. N. Singh	Former Head
2	Prof. S. G. Dahotre	Professor and Head of the Department
3	Dr. S. N. Jadhav	Assistant Professor (Adhoc)
4	Dr. A. D. Bhalekar	Assistant Professor (Adhoc)
5	Mr. U. V. Shinde	Assistant Professor (Adhoc)
6	Ms. S. D. Raut	Research Scholar (Adhoc)
7	Ms. R. P. Gawade	Research Scholar (Adhoc)

Advisory Board:

Sr. No.	Name	Designation
1	Prof. L. N. Singh	Chairman
2	Dr. S. G. Dahotre	Member
3	Dr. R. Shrinivasan	Member
4	Dr. Madare	Member

Departmental Strengths, Weaknesses, Opportunities and Challenges:

Strengths	<ul style="list-style-type: none">• Highly dedicated and motivated faculty members.• The curriculum design is a perfect blend of Physics for all Engineering branches.• Research publications by faculty members.• Well equipped labs for UG and Research Scholars.
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Weaknesses	<ul style="list-style-type: none"> • Lack of well-Equipped Laboratory for 3D Physics SCADA Equipment. • Faculty shortage: Presently faculty strength of the Department is one (01). However, Department activities are carried out by appointing faculty on contract basis and also by appointing teaching assistants.
Opportunities	<ul style="list-style-type: none"> • To start the M. Sc Programme in Solid State Physics. • To start B. Tech Programme in Engineering Physics.
Challenges	<ul style="list-style-type: none"> • Managing all Departmental activities with the help of • Available faculty members. • Recruitment of qualified faculty members having Ph.D. Qualifications. • Attracting good students for Ph.D. Programmes.

Institute of Petrochemical Engineering

About the Institute:

The Institute of Petrochemical Engineering is a conducted institution of Dr. Babasaheb Ambedkar Technological University Lonere, was established by government of Maharashtra under the World Bank Assisted Project. Over the years it has grown into a premier institution with excellent teaching-learning environment to achieve excellence in imparting quality technical education thereby generating technocrats compatible with needs of current industries & society. This Institute is a conducted institution of the University running Diploma Courses in eight streams of Engineering and Technology and one Advanced Diploma in Water Quality Management. All the diplomas are awarded by the University. The Institute extends its services to the society through a scheme of "Community Developments through Polytechnic" sponsored by MHRD, New Delhi by educating the dropouts and empowering them with technical skills. For the rural youth, dropouts and women three to six month's duration certificate programs are conducted. Every year around 500 youth are given training in Computer, Auto-Cad, Electrician, Welding, Tailoring and other skills through various off-campus centers located in surrounding villages and hilly areas.

All the departments have required Laboratory facility available and they are updated regularly. Students are encouraged to participate in various competitions held in other institute or in this institute in field of culture, sports, paper presentations etc. Regular one-month industrial training after fourth semester is included in curriculum so that students get acquainted with industry work culture and try to correlate theoretical knowledge with practical applications. Apart from this, industrial visits of final year students are regularly arranged in surrounding industries. Each department has their student's association, which conducts department level programs such as expert talk, technical quiz/competition, engineers and teacher's day celebration and parent meets. This helps in improving managerial skills, soft skills and in turn overall development of students. Response in parent meet is very good and parents' feedback is quite good. The result of final year students is very good. Students of chemical/petrochemical engineering are securing admission to B. Tech. at LIT Nagpur while students of Computer, IT, electronics and telecommunication and instrumentation Engineering are securing admission for graduation after diploma at COEP Pune, VJTI, PICT Pune and other reputed institutes in Maharashtra. All the staff members are sincerely working for the development of the institution. With the sincere and dedicated efforts of our faculty and staff members, this institute has become well known for diploma education in Maharashtra State.

Dr. M. A. Dabhade
Principal, IoPE

Vision:

To transform the institute into a seat of learning and contemplation so as to provide comprehensive technical education at Diploma and Post Diploma level and create world class technicians oriented towards lifelong learning.

Mission:

We in this institute commit ourselves to realize our vision through continuous quality improvement of faculty and staff adopting a vibrant curriculum and scientific delivery and a culture of transforming an appropriate technology to rural areas and the underprivileged people.

Overview of Academic Programme:

Academic Programme	Duration	Intake
Diploma	Three Years	60 for all branches

Training and Placement:

Placement of final year students is satisfactory. Around thirty industries have visited institute for placement activity and selected fifty students till now. Still the selection process is going on. The average package of students is from 1.5 to 3 lacs per annum.

Sr. No	Branch Name	No of Students Placed
1	Chemical Engineering	10
2	Computer Engineering	--
3	Electrical Engineering	4
4	Electronics & Telecommunication Engineering	--
5	Instrumentation Engineering	18
6	Information Technology	--
7	Petrochemical	4
8	Polymer and Plastics Engineering	2
9	ADWQM	12

Department Wise Enrollment of Students During 2019-20:

Discipline	First year	Second year	Third year
Chemical Engg	55	78	54
Computer Engg	63	70	60
Electrical Engg	73	65	53
Electronics and Telecommunication Engg	21	67	32
Instrumentation Engg	30	78	53
Information Technology	64	69	46
Petrochemical	32	56	54
Polymer and Plastics Engg	07	10	02

Social Activity:

- **Energy Conservation Week Celebration:**

36 students of Electrical Engineering department under the guidance of Dr. N. S. Lingayat participated in street play on energy conservation in 09 schools at Lonere, Goregaon, Mahad and Roha from 14 December to 16 th December 2019.

- **Swachhata Bharat Mission:**

All 2 nd year and 3 rd year students of Instrumentation Engineering Department under the guidance of Dr. D. S. Karanjkar Visited to Sane GurujiRashtriyaSmarak, Vadghar for Cleanliness drive.

Institute's Strengths, Weaknesses, Opportunities and Challenges:

Strengths	<ul style="list-style-type: none"> • Dedicated and highly qualified experienced faculty. • Learning environment for the students with multiple programs, student's association, guest lectures and industrial visits through Alumni. • Separate wing of department with spacious labs. • The Institute have a registered Alumni institute for the betterment of the Institute. • Well-designed Academic curriculum to meet the industrial requirement. • Transparent Teaching Learning Process. • Establishment of good industry interaction with surrounding industries has made it possible to avail of expert visiting faculty and opportunities for the students for industrial visits.
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Weaknesses	<ul style="list-style-type: none"> • Long term planning to achieve the goals with infrastructure and equipment's. • Shortage of faculty to meet required Student-Faculty ratio as per AICTE and NBA norms. • Inadequate technical and non-technical supporting staff. • Lack of Departmental level computer Centre and net facility. • Non availability of own Bus facility at Institute level. (For industrial Visit and field trip for students and /staff). • Department receive less funding to improve/modernize lab and infrastructure. • Lack of classroom and laboratory space. • Lack of funding to add facilities.
Opportunities	<ul style="list-style-type: none"> • To develop renewable energy laboratory. • To participate in various National and State level events. • Being part of State Technological University chances of funding, other emerging resources, rising prospects, career opportunities may be available to the Department. • Polymer and Plastic Department would be one of major source of testing in kokan region.
Challenges	<ul style="list-style-type: none"> • To increase the Diploma admission. • To get industry sponsored projects. • It is a challenge to sustain the habit of using latest technology in learning process i.e. <ul style="list-style-type: none"> ○ To use Moodle as a mode of teaching – learning - evaluation methodology. ○ To have more use of ICT tools in teaching-learning process. ○ To start virtual laboratory practices. ○ To participate in Swayam/NPTEL certification courses. • To get NBA accreditation. • To constantly upgrade the syllabus considering the current technology used in industry. • Retain ambitious highly qualified faculty and staff.

Library

Introduction:

The library plays an important role in supporting the academic Programme of the University. It is an integral part of the educational process in the university campus. It is established immediately after the establishment of the university in 1989. The library helps the teachers, students, researcher to explore updated and latest information related to their field of interest. The existing library occupies spacious area about 21000 sq. feet. The library has rich collection of 100807 books. The library collection includes Textbooks, Reference books, Handbooks, Encyclopedias, Back volumes of periodicals. Collected works of Dr. Babasaheb Ambedkar, Mahatma Gandhi and other important personalities are also available in library, light reading magazine, Novels and Story books in Hindi, Marathi, English literature etc are also available. The entire library book collection is classified according to the **DDC**. (Dewey decimal classification) The library is partially computerized with the help of **LIBMAN** (Library Software).

Library Committee:

The function of the Library committee is to administer, to organize to maintain and support the University Library, so that it can facilitate the Library development plan.

Sr. No.	Name	Designation
01	Dr. Y. S. Mahajan	HOD - Chemical Engg.
02	Dr. A. P. Shesh	HOD - English Department
03	Prof. G. S. Warkhade	Mechanical Engg.
04	Prof. V. J. Kadam	Information Tech. Engg.
05	Prof. S. S. Metkar	Petrochemical Engg

E – Resources:

Library is part of UGC-INFONET program of UGC. Based on the agreement signed with INFLIBNET centre, Ahmedabad, Library received following e-resources through the e-consortia of INFLIBNET.

Web Site: www.inflibnet.ac.in

Sr. No.	E Resource	Subscription Type	Resource Type
1	American Chemical Society	Centrally Funded	Fulltext
2	Institute For Studies in Development (Isid) Database	Centrally Funded	Database
3	Springer Link 1700 Collection+Nature Database	Centrally Funded	Fulltext
4	Taylor And Francis Ess Collection (1076Titles)	Centrally Funded	Fulltext
5	NDL Database	E – Book	Database
6	Science Direct	DBATU Purchased	E - Resources
7	ASME	DBATU Purchased	E - Resources

Borrowing Facility:

Any registered member can borrow the books from the library as per their entitlements. Books on the loan with members can recall at any time before the due date if required urgently in the library. Failure to respond promptly may lead to suspension of Library Facility.

The entitlements in terms of number of books that can be borrowed by them are as follows:

Sr. No	Users Type	No. of Library Books Issue Per	Books Duration	After Books Duration
01	Teaching Staff	15	180 Days	-
02	Non-Teaching Staff	05	30 Days	
03	Ad-hoc Teaching	05	60 Days	
04	Ph. D. Students	07	15 Days	Per Day Per Book One Rs.
05	M. Tech. Students	07	15 Days	
06	B. Tech. Students	05	15 Days	

Library Profile:

- Library Books :42918
- Book-Bank Books : 50781
- Sc/St Collection : 7108
- **Total Number of Books : 100807**
- Periodicals :142
- E – Books :4931

Innovation, Incubation and Enterprise (i2E) Centre at Dr. Babasaheb Ambedkar Technological University

The Dr. Babasaheb Ambedkar Technological University 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.

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.

This University Company has a network of a pool of industry professionals, technologists, and business owners that are willing to volunteer on the Advisory Board of the Centre. The advisory board members have been selected on the basis of their willingness to give time for interaction with the Executive Committee of the Centre on regular basis and provide guidance and mentoring at various stages of the businesses development to the Incubatee (s).

National Innovation and Start up Policy of the University is formulated and being implemented for smooth functioning of the Company.

Board of Directors of the Company

Sr. No.	Name	Organization	Designation on the
1	Mr. M. Kamble	DICCI Chairman	Chairman
2	Dr. V. Vadke	ExTechProcessEngineering Ltd.	Director
3	Mr. T. Malkani	Angel Investor	Director
4	Mr. M. Singh	President ICIB	Director
5	Dr. S. L. Nalbalwar	Dr. Babasaheb Ambedkar Technological University	Director and CEO

Executive Committee of the Incubation Centre:

Sr.No.	Name	Designation on the board
1	Dr. S. L. Nalbalwar, Head, Department of EXTC Engg.	I/c CEO / Director
2	Dr. S. M. Pore Head, Department of Civil Engg.	I/c Incubation Manager
3	Dr. A. W. Kiwalekar Head, Department Computer Engg.	Member
4	Dr. S. M. Jadhav Head, Department Information Technology	Member
5	Dr. B. Iyer Assistant Professor of EXTC Engineering	Member
6	Dr. R. S. Pawade Workshop Incharge& Associate Professor of Mech Engg.	Member Secretary

Business Support:

- Business plan assistance.
- Mentoring support.
- Access to professionals with legal, financial, accounting, IP and industry.
- Expertise Showcasing events for exhibition of products and solutions.
- Networking events to facilitate interaction with investors and industries.
- Training Programme and seminars relevant to entrepreneurs.



**Tribal Development Centre (TDC), Dr. Babasaheb Ambedkar Technological University
And
ITDP Ghodegaon, Pune**

**Tribal Development Centre (TDC)
Dr. Babasaheb Ambedkar Technological University**

As per the MoU between PO Ghodegaon and Dr. Babasaheb Ambedkar Technological University signed on 03/04/2018 at Mantralaya, Mumbai; Dr. Babasaheb Ambedkar Technological University and PO Ghodegaon organized two awareness workshops on 'Startup Idea Generation' during 24-26 Oct, 2018 and 13-15 Dec, 2018 under 'Startup Tribal' activity. Ten participants have presented their business model plan in front of the 06 members' expert selection committee on 24/12/2018 at Conference Hall, Dr. Babasaheb Ambedkar Technological University, Lonere.

Based on the overall presentation performance, selection committee short listed following participants:

Sr.No.	Name of the participant with mobile number and Email ID	Topic on which presentation given	Mentor at Dr. Babasaheb Ambedkar Technological University
1	A. Sable 8600122447 atulsable123@gmail.com	2D/3D Laser Engraving	Dr. R. S. Pawade and Dr. B. F. Jogi
2	N. Gondake 9503733614 nitingondake@gmail.com	Organic Dairy Farming	Prof. S. V. Khekar and Dr. B. F. Jogi
3	A. kondar 9730847193 Amolkondar53@gmail.com	Aloe Vera Processing	Dr. C. M. Badole and Dr. B. F. Jogi
4	A. Kumare 8551051628 Akshay.kumare@gmail.com	Manufacturing of Oil & Cake from Cotton Seeds	Dr. H. N. Warhatkar and Dr. B. F. Jogi
5	M. kedari 8605236257 mayurkedari111@gmail.com	Soyabean Oil Mill	Dr. H. N. Warhatkar and Dr. B. F. Jogi
6	S. Gawali 8779531459 gawaliswp75@gmail.com	Eco Resort	Dr. S. M. Pore and Dr. B. F. Jogi

All the selected participants should confirm their candidature on or before 10/01/2019 and report to the first mentor on 15/01/2019 at Dr. Babasaheb Ambedkar Technological University Lonere for further implementation of business plan through discussion, special need based training and necessary guidance at Dr. Babasaheb Ambedkar Technological University/Industry.

(Dr. B.F. Jogi)
Associate Dean and TDC Coordinator



Dr. Babasaheb Ambedkar Technological University
'Vidyavihar', Lonere-402103, Tal. Mangaon, Dist. Raigad
Maharashtra State, India



DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY NCC UNIT **REPORT 2019-20**

Dr. Babasaheb Ambedkar Technological University NCC UNIT, one of courageous part of Dr. Babasaheb Ambedkar Technological University has performed many social and cultural activities throughout the year. Here is the list of the activity's cadets performed and participated in throughout the year under the supervision of Associate NCC Officer Capt. (DR.) Milind Bhagat Sir.

- Discipline Committee of University
- Raigad Trek
- Maharashtra Day
- International Day of Yoga 2019
- Tree Plantation
- Kargil Vijay Divas – visit of commanding officer
- Independence Day 2019
- Run for health on occasion of National Sports Day
- 'SEEING EYES AND HELPING HANDS' – helping activity for Kolhapur floods:
- Surgical Strike Day
- World Heart Day
- Dassera
- Blood Donation of NSS
- Run for Unity
- KalsubaiTrek
- NCC Day
- Tribute to 26/11 Martyrs
- Mahawalkathon
- SwachhataPakhwada
- National Youth Day
- Indian Army Day
- Informative Lectures

National Service Scheme (NSS)

- **World Yoga Day:** World Yoga Day was celebrated on 21st June, 2019. Programs like Yogasana, Pranayama etc. were organized in the auditorium of the Institute of Petrochemical Engineering. Students, teachers and non-teaching staff participated in this program.
- **The Tree plantation program:** 2335 Plants were planted in the University premises on 1st July-7th July 2019. Students, teachers and non-teaching staff participated in this program.
- **Help desk:** Students of National Service Scheme arranged help desk for parents and students to complete their first year admission process for engineering during the period from 24th July, to 8th August, 2019.
- **National Service Scheme Week:** Rangoli Competition, Speech Competition, Poetry reading, wall sheet competition, Essay Competition and Quizzes were conducted from 24th September, to 2nd October, 2019.
- **Youth Information Ambassador Initiative:** Students of NSS gave information about the government schemes to the residents of village Lonere, Nhave and Panhalghar through the 'Yuva Information Messenger app'.
- **Blood Donation Camp:** Blood Donation camp was conducted on 16th October, 2019. The camp was inaugurated by Dr. V. R. Sastry. 252 blood bottles were collected by J. J. Hospital Mumbai.
- **Constitution Day:** NSS students celebrated Constitution Day. A lecture of Dr. Vijay Babu, Chemical Engineer was organized on November 26, 2019.
- **Mahawalkathon 2019:** Mahawalkathon was organized in Lonere village on 30th November, 2019 to convey the importance of road safety, noise pollution and safe driving.

Dr. Hemant Warhatkar
Coordinator
National Service Scheme

Chapter Four

Affiliated Colleges

Dr. Babasaheb Ambedkar Technological University Lonere was established on 5th May, 1989 by the Government of Maharashtra under the Dr. Babasaheb Ambedkar Technological University Act No. XXIX, 1989. University celebrated the Silver Jubilee Year in 2014. On 1 March, 2016 in a major milestone in the history of the University since its inception, the State Government declared the University as the State Technological University to which Engineering & Technology, Pharmacy, Architecture, Hotel Management and Catering Technology institutes from the State shall get affiliated. The University is committed to providing guidance and direction in quality technical education, research and development to meet the needs of industry, businesses, and society at large.

For smooth functioning of the State Technical University following the Regional Center and sub-Center created in the University.

Regional Center: 1) Mumbai 2) Pune, 3) Nagpur 4) Aurangabad

Sub Center: 1) Solapur 2) Kolhapur 3) Amravati 4) Jalgaon 5) Nanded.

Since the affiliation process starts the following number of institutes get affiliated with the University for the Academic year 2019 -20.

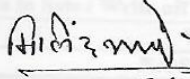
Engineering	Pharmacy	Architecture	HMCT	Total
58	40	5	0	103

Chapter Five Balance Sheet

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY Balance Sheet As on 31st March, 2020


Particulars	Schedule No.	As at 31st March 2020	As at 31st March 2019
SOURCES OF FUNDS			
General Fund and Other Funds	1	77,71,20,798.34	43,26,17,196.73
Depreciation Fund		-	-
Grants	2	1,42,38,69,303.00	1,39,64,96,226.00
Deposits & Advances	3	2,17,53,614.23	1,88,29,365.23
Current Liabilities	4	9,38,02,500.50	6,35,83,644.97
TOTAL SOURCES OF FUNDS	(I)	2,31,65,46,216.07	1,91,15,26,432.93
APPLICATION OF FUNDS			
Gross Block		44,06,18,985.37	41,37,66,355.37
Less : Depreciation	5	3,40,57,846.00	3,68,99,683.00
Net Block		40,65,61,140.37	37,68,66,672.37
Investment	6	1,55,63,72,606.00	1,12,61,34,892.00
Earmarked Fund Investment		-	-
Endowment Fund Investment		-	-
Advances and Deposits	7	17,13,26,469.88	13,06,81,082.10
Account Receivable	8	5,45,89,563.00	5,09,63,246.00
Cash & Bank Balances	9	11,48,44,074.82	21,38,62,745.46
Other Current Assests	10	1,28,52,362.00	1,30,17,795.00
TOTAL APPLICATION OF FUNDS	(II)	2,31,65,46,216.07	1,91,15,26,432.93

As per our report of even date
For **Kirtane & Pandit LLP**
Chartered Accountants
FRN: 105215W/W100057


Milind Bhawe
Partner
M.No. 047973



Place: Mumbai
Date: 17/12/2021


Dr. Sanjay Khobragade
FINANCE OFFICER
**DR. BABASAHEB AMBEDKAR
TECHNOLOGICAL UNIVERSITY**
Place : Lonere - 402103
Date: 17/12/2021

Chapter Six

Convocations & Result Analysis

The 22nd convocation of the University held on 25th June, 2020. The Chief Guest for this Convocation was Hon'ble Shri. Bhagat Singh Koshyari (Online), Governor of Maharashtra. The Vice – Chancellor presented the report of the academic and R & D activities at the University during this convocation.

- Examination Department
- On Screen Evaluation System
- Examination System of the University
- Unitization of Syllabus
- Credit System
- Continuous Evaluation.
- Examination Results
- Remedial Teaching
- Complete Transparency

M.Tech2019

	Power System Engineering	Electronics & Telecommunication Engineering	Chemical Engineering	Manufacturing Engineering
First Class with Distinction	4	25	10	10
First Class	1	1	1	0
Second Class	0	0	0	0
Pass Class	0	0	0	0
Total	5	26	11	10

Thermal & Fluids Engineering	Computer Engineering	Mechanical Engineering (Heat Power)	Computer science & Information Tecnology	Automation Engineering	Construction Management	Computer Science & Engineering
15	11	2	7	1	7	21
0	5	1	0	0	0	8
0	0	0	0	0	0	0
0	0	0	0	0	0	0
15	16	3	7	1	7	29

Control System	Construction Technology & Management	Digital Communications	Design Engineering	Electronics & Communication Engineering	Electrical Engineering
9	4	5	11	1	17
0	0	0	1	0	0
0	0	0	0	0	0
0	0	0	0	0	0
9	4	5	12	1	17

Electronics Engineering	Electical Power System	Embedded System Engineering	Heat Power Engineering	Machine Design Engineering
9	8	2	6	4
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
9	8	2	6	4

Mechanical Design Engineering	Mechanical Engineering	Mechanical Production Engineering	Structural Engineering	Theramal Engineering	Water Resource	Architecture
1	12	4	15	8	2	1
0	5	0	14	0	0	6
0	0	0	0	0	0	0
0	0	0	0	0	0	0
1	17	4	29	8	2	7
Total Admission: 275						

B. Tech2019

	Mechanical Engineering	Electrical Engineering	Electronics & Telecommunication Engineering
First Class with Distinction	24	18	45
First Class	41	33	54
Second Class	11	17	37
Pass Class	2	1	1
Total	78	69	137

Chemical Engineering	Petrochemical Engineering	Computer Engineering	Information Technology	Civil Engineeering
26	12	23	17	17
28	30	33	27	39
16	19	8	32	14
3	7	5	7	4
73	68	69	83	74
Total Admission: 651				

Diploma 2019

	Electrical Engineering	Electronics & Telecommunication Engineering	Chemical Engineering	Petrochemical Engineering
First Class with Distinction	19	18	31	26
First Class	14	17	19	25
Second Class	29	14	4	15
Pass Class	0	0	0	0
Total	62	49	54	66

Polymer & plastic Engineering	Instrumentation Engineering	Computer Engineering	Information Technology	Advanced Diploma in Water Quality Management
5	36	31	19	11
10	23	16	16	10
12	10	17	12	1
0	0	0	0	0
27	69	64	47	22
Total Admission :460				

Master of Pharmacy

	Pharmaceutics	Pharmaceutical Chemistry	Pharmacology
First Class with Distinction	14	1	2
First Class	13	1	0
Second Class	0	0	0
Pass Class	0	0	0
Total	27	2	2
Total Admission: 31			

Chapter Seven

Administrative Staff

Sr. No	Name	Designation
1	Mr. Shrikant Prabhakar Vaidya	Librarian
2	Mr. Prasad Krushnaji Pendse	PA to Vice – Chancellor
3	Mr. Vilas Sitaram Chavan	University Engineer
4	Mr. Ganpat Hari Kalsekar	Store Verification Officer
5	Mr. Chandrakant Damaji Tembhe	Office Superintendent
6	Mr. Vikas Shankar Gaikwad	Office Superintendent
7	Mr. Sanjay Madhukar Chavhan	Office Superintendent
8	Mr. Ramchandra Sahebrao Metkari	Auditor
9	Mr. Ashok Rama Pawar	Store Keeper
10	Mr. Ajay Raghunath Palkar	Assistant Librarian
11	Mr. Pandarinath Bala Nawale	Accountant
12	Mr. Mahesh Laxman Koli	Senior Clerk
13	Mrs. Surekha Tukaram Awhad	Senior Clerk
14	Mr. Vikas Shivram Magar	Accountant
15	Mr. Santosh Anant Mahadik	Stenographer (English)
16	Mr. Vinayak Harischandra Tavsalkar	Cashier
17	Mr. Pravin Vishnu Ware	Senior Clerk
18	Mr. Babu Damu Batawale	Clerk – Cum- Typist
19	Mr. Vijay Pandurang Andhere	Clerk – Cum- Typist
20	Mr. Kiran Raman Batawale	Junior Clerk
21	Mr. Narayan Tulshiram Shinde	Clerk – Cum- Typist
22	Mr. Manoj Anna Bhingare	Clerk – Cum- Typist
23	Mrs. Reshma Ramesh Mahaprolkar	Clerk – Cum- Typist
24	Mr. Vivek Namdev Khargaonkar	Junior Clerk/ Typist
25	Mr. Tukaram Gangaram Hambir	Junior Clerk
26	Mr. Ramesh Trimbak Deshmukh	Driver
27	Mr. Sunil Shantaram Salunkhe	Driver

Non – Teaching Staff

Sr. No	Name	Designation
1	Mr. Satish Baburao Sonawane	Workshop Instructor
2	Mr. Santosh Shankar Divekar	Draftsman
3	Mr. Pandurang Bandu Patil	Workshop Instructor
4	Mr. Chandradeep Vasant Jaitpal	Workshop Instructor
5	Mr. Ashok Laxmanrao Mokalkar	Workshop Instructor
6	Mr. Kishor Hiralal Pardeshi	Electrician
7	Mr. Hemant Ramesh Washikar	Electrician
8	Mr. Motiram Dattatrey Patil	Molder
9	Mr. Pradip Shankar Shrivardhankar	Machinerist
10	Mr. Ramesh Mahadev Chavan	Lab Technician
11	Mr. Amrut Buddha Choudhari	Lab Technician
12	Mr. Bhanudas Damodar Bairagi	Lab Technician
13	Mr. Sanjay Tukaram Jadhav	Lab Technician
14	Mr. Suresh Ganpat Lad	Lab Technician
15	Mr. Yogesh Namdev Kamble	Lab Technician
16	Mrs. Shubhani Shivaji Patil	Lab Technician

17	Mr. Sanjay Dadaji Patil	Lab Assistant (Technical)
18	Mr. Sandip Madhukar Borase	Lab Assistant (Technical)
19	Mr. Dilip Vasant Bhingare	Lab Assistant (Technical)
20	Mr. Prashant Parshuram Pendhari	Lab Assistant (Technical)
21	Mr. Govind Vitthal Jadhav	Lab Assistant (Technical)
22	Mrs. Manisha Umesh Sakate	Lab Assistant (Technical)
23	Mr. Chetan Arjun Juikar	Lab Assistant (Technical)
24	Mrs. Pramila Shantaram Padval	Lab Assistant (Technical)
25	Mr. Shubhangi Shivdas More	Lab Assistant (Technical)
26	Mr. Priyanka Nilesh Ware	Lab Assistant (Technical)
27	Mr. Apekshit Kantilal Patil	Lab Assistant
28	Mrs. Charushila Duryodhan Sutar	Lab Assistant
29	Mr. Kailas Pandurang Sontakke	Lab Assistant
30	Mr. Vikas Vitthal Rode	Lab Assistant
31	Mr. Akshay Aavesh Kadu	Lab Assistant

Class Four Staff

Sr. No	Name	Designation
1	Mr. Suresh Bhagoji Davale	Security
2	Mr. Mangesh Dattatrey Kadu	Labrotary Attendent
3	Mr. Ravindra Barku Hatkar	Labrotary Attendent
4	Mr. Babu Sitaram Panavkar	Hamal/Attendent
5	Mr. Ganpat Bhagoji Pashte	Hamal/Attendent
6	Mr. Sanjiv Rajaram Masal	Peon
7	Mr. Parshuram Babu Thale	Peon
8	Mr. Damu Rama Pardhi	Watchman
9	Mr. Tukaram Sitaram Vaghoskar	Hamal/Attendent
10	Mr. Maruti Krushna Korpe	Hamal/Attendent
11	Mr. Dilip Mahadu Dhadve	Hamal/Attendent
12	Mr. Pandurang Sudkoji Tembe	Hamal/Attendent
13	Mrs. Sharada Sadanand Malgunkar	Hamal/Attendent
14	Mr. Machindra Ramchandra Naik	Hamal/Attendent
15	Mr. Ajay Sudhakar Jadhav	Gardner
16	Ms. Vaishali V. Patil	Hamal/Attendent
17	Mr. Rohit Subhash Gamare	Hamal/Attendent
