

1. Message of Head of the Department

I welcome you to the Department of Information Technology. Department has ten faculty and four supporting staff members. IT Engineers produced by this Department have contributed to industrial development over the last 17 years at national and international level. Department has a good liaison with the industry. Specifically, EPS Mumbai is having an active contribution in terms of elective course on payment systems and ATM facility in the guest house.

Department has good laboratories and there is scope for further improvements in computational facilities. Data Science, Machine Learning Laboratories with free and open source (FOSS) software are available to work on top-of-the line projects in various areas. We are having an elective-based curriculum to satisfy the needs of industry. For overall development of the students, Guest Lectures from expert industry professionals in the field are arranged; Technical Workshops, Soft Skill training programs for faculty and students are arranged on a regular basis. Department also conducted ATAL FDP on cyber security for internal and external faculty members of the state of Maharashtra.

Fraternity of Information Technology Students' Association (FIT) helps the students to arrange the various programs in the Department. It leads to developing the leadership and managerial qualities of the students. This year we faced COVID-19 pandemic situation despite that we faced this situation by turning over online mode for conducting academic activities. This year two faculty members registered themselves for a PhD programme in the University. Researchers of the department are working on machine learning and data science projects. They have come up with very attractive results in terms of algorithm efficiency and there are chances to get published in reputed journals.

Students are encouraged to pursue higher education like ME/MTech/MS and PhD. All eligible students are placed in various industries.

Consistently, the result of Final year B. Tech. in Information Technology is more than 90%.

Dr. S. M. Jadhav, Head

2. Vision and Mission Statements of the Department

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 fulfil the needs of students and staff. Promote and facilitate the effective integration of technology into the basic mission of the University through planning, programming, 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.

3. About the Department

The department of Information Technology was established in the year 2001 with the B. Tech. program having an intake of 60 students under the umbrella of the 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. Department has seven regular faculty, three laboratory supporting staff- Laboratory Assistant Technical, Laboratory Assistant and Laboratory Attendant. All the faculty members have completed their M.E. /M. Tech. One faculty has completed PhD and two faculty members are pursuing their PhDs. The Department has set a tradition of achievements in sports, cultural activities, extracurricular activities, competitive examinations like GATE, MBA-CET etc. and campus placements.

4. Programme Educational Objectives (PEOs) & Programme Outcomes (POs)

Programme Educational Objectives (PEOs)

The programme educational objectives for the B. Tech. programme in Information Technology describes accomplishments that graduates are expected to attain within the four years of graduation. Graduates will be able to apply their expertise to contemporary problem solving, be engaged professionally, and have continued to learn and adapt, and have contributed to their organizations through leadership and teamwork. More specifically, the objectives are:

Objective Identifier	Objectives
PEO1	To enable graduates gain strong skills for employment in multidisciplinary domains driven by IT.
PEO2	To enable graduates to pursue higher education and research.
PEO3	To enable graduates to develop entrepreneurship and leadership skills.
PEO4	To enable graduates to contribute to the society in accordance with highest standards of ethics.
PEO5	To develop breakthrough solutions enabling transformations in a rapidly changing IT world.

Programme Outcomes (POs)

The graduates of this programme will be able to demonstrate:

Outcome Identifier	Outcomes
PO1	An Understanding of IT architecture, software and hardware concepts, functionalities and applications.
PO2	An Ability to design, develop and test computer programs involving various algorithms, methodology and programming languages.
PO3	Competency of business domains and functional processes that employ IT systems and applications.
PO4	Practical use of communication protocols and their applications in the field of internet and world wide web.
PO5	Sound understanding of fundamentals of computer as the central enabling platform for information management in 21st century.
PO6	An Ability to develop, integrate, maintain and innovate software applications deployed in various multi-disciplinary domains.
PO7	Thought leadership to design and implement practical solutions for global industry needs.
PO8	An acumen to embrace and adopt futuristic IT technological developments.
PO9	Sound knowledge of entrepreneurship traits to succeed.
PO10	Adoption of practices that are ethical ensuring transparency and accountability.

PO11	Capability to provide solutions that are socially empowering and environment friendly.
PO12	Effective communication and collaboration techniques with stakeholders to achieve best results

5. Overview of Academic Programme:

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

6. UG students Statistical Information

Year	Open			SC			St			OBC			VJNT			SBC			Total		
	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T	M	F	T
First Year	15	7	22	6	2	8	0	1	1	15	9	24	1	2	3	1	0	1	38	21	59
Second Year	14	14	28	5	4	9	1	0	1	13	12	23	6	5	11	2	0	2	41	35	76
Third Year	15	12	27	12	5	7	0	0	0	11	9	20	4	4	8	2	0	2	44	29	73
Final Year	7	11	18	2	5	7	0	2	2	15	10	25	4	2	6	3	0	3	32	30	62

PhD students Statistical Information

FIRST YEAR PH.D PROGRAMME FULL TIME		
SR.NO.	Roll No.	Name of Student
1	RS20191101	JADHAV PRANITA PRADIP

FIRST YEAR PH.D PROGRAMME PART TIME		
SR.NO.	Roll No.	Name of Student
1	RS20191102	BARPHE SAPANA SHIVAJI
2	RS20191103	ZENDE DINESH ACHYUT

7. Additional Responsibilities to the Faculty

1. Dr. Jadhav Shivajirao Manikrao

1. Convener, EduSat (AICTE Setup)
2. Member, Academic Council, Dr. B.A.T.U.
3. Chairman, Board of Studies, Department of Information Technology
4. TEQIP MIS (Team Member)
5. Coordinator, Oracle Workforce Development Programme of Oracle University
6. Coordinator, Training to University Student, Faculty and Staff on Free and Open Source Software (FOSS)
7. Coordinator, Microsoft Usage Audit
8. Coordinator, Software Development through student's academic projects for University Use
9. Head, Department of Information Technology
10. Member, Board of ICT

2. Prof. Sutar Sanjay Raghunath

1. Coordinator, Online attendance module
2. Coordinator, Timetable and academic calendar
3. Coordinator, Cultural activities
4. Coordinator, RailTel Internet Facility
5. Coordinator, TEQIP Institutional Reforms Committee
6. Member, Board of Studies, Department of Information Technology

7. Chairman, Department Procurement committee

3. Prof. Kadam Vinod Jagannath

1. Coordinator, DTE Admission Reporting Centre 3033
2. Coordinator, DTE Facilitation Centre 3033
3. University (Institute level) admission coordinator (First year B. Tech. / Direct Second B. Tech. / First Year M. Tech.)
4. Member, TEQIP Institute Industry Interaction Committee
5. Member, University T&P cell
6. Member, Library advisory Committee
7. Member, University Intranet Committee
8. Member, University IQAC
9. Member, RGSTC Project Appraisal Committee
10. Member, Canteen Committee (Commercial Establishment)

4. Prof. Babhulgaonkar Arun Ramrao

1. Chairman, USRC
2. Chairman, UBA, UMA
3. Associate Dean, Examinations
4. FIT Coordinator
5. Member, Avishkar
6. Member, Incubation and start up
7. Departmental ISO coordinator
8. Chairman and member of various departmental committees

9. Departmental examinations coordinator

5. Prof. Bharad Sonali Vasudeorao

1. Departmental Meeting Secretary
2. Departmental timetable coordinator
3. faculty coordinator, EPS
4. Chairman and member of various departmental committees
5. Member, Technical Committee
6. Faculty coordinator, Photography club
7. Member, RUSA committee

6. Prof. Barphe Sapana Shivaji

1. Member, Women and child welfare committee
2. Member, Women Grievance cell at University Level
3. Member, Cultural committee at University Level
4. In-charge, Ladies Common Room
5. Departmental Industrial Training Coordinator
6. Departmental Second Year Class Coordinator
7. Chairman and member of various departmental committees

7. Prof. Hivre Sadhana Ranojirao

1. Rector, Hostel Malaygiri
2. Woman Entrepreneurship and Empowerment Cell, Member
3. Annual Report Committee, Member

4. Departmental Seminar, Coordinator
5. Chairman and members of various departmental committees

8. Prof. Sameer R. Yadav

1. Class Co-Coordinator
2. Seminar Co-Guide
3. Project Co-Guide

9. Prof. More Sitaram

1. Class Co-Coordinator
2. Seminar Co-Guide
3. Project Co-Guide

10. Prof. Ekta Mesharam

1. Class Co-Coordinator
2. Seminar Co-Guide
3. Project Co-Guide

11. Prof. Roshan Kotkondwae

1. Class Co-Coordinator
2. Seminar Co-Guide
3. Project Co-Guide

8. Advisory Board and BoS

8.1 Advisory Board

Sr. No.	Name
1	Dr. G. Sivakumar, IITB
2	Dr. B. B. Meshram, VJTI, Mumbai
3	Mr. Sham Dhage, IBM, Pune
4	Dr. L. N. Singh, DBATU, Lonere

8.2 Board of Studies

Sr. No.	Name	Designation
1	Dr. S. M. Jadhav, Head, Department of Information Technology Dr. Babasaheb Ambedkar Technological University, Lonere- Raigad	Chairman
2	Dr. S. R. Sutar, Department of Information Technology Dr. Babasaheb Ambedkar Technological University, Lonere- Raigad	Member
3	Dr. Sharvari Tahmane, Jawaharlal Neharu Engineering College, Augangabad	Member
4	Dr. V. P. Sonawane, Dr. Kalam Skill development center Jalgaon.	Member
5	Prof. D. V. Biradar, M. S. Bidve College of Engineering, Latur	Member

9.Laboratory Expenditure

Sr. No.	Name	Qty.	Total Cost
1	All in One PC	20	10,11,100/-
2	Lab Testing Materials	—	82,770/-
3	HD LED TV 55" DB55E Samsung Smart TV	01	91,747.21/-

10.Conference, Workshop, and training activities conducted in the department

Sr. No	Name of the Webinar/Guest Lecture	Date
1	AICTE Training And Learning (ATAL) Academy FDP on Cyber Security	6/01/2020 to 10/01/2020
2.	Python for Everybody	17th February 2020

11. Departmental Strength, Weakness, Opportunity and challenges

Major Strengths:

- Young and experienced faculty members
- Dedicated staff and faculty
- Campus wide networking
- Latest Teaching/Learning aids like smart class room
- Adequate infrastructure

Weaknesses:

- Lack of Ph. D. qualified faculty
- Shortage of faculty
- Higher faculty positions are vacant
- Lack of Industry Training to faculty

Opportunities:

- 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