

1. Message of Head of the Department

Welcome to the Department of Information Technology. It's my great pleasure to present the Annual Report of the Department for the year 2020-21.

The Department has witnessed continuous increase in its academic, research and placement performance. Its curriculum is designed to meet the needs of the industry. We have signed MoU with Electronic Payment Services, Mumbai which runs the elective for final year students which have created knowledge and awareness amongst the students regarding payment systems.

Two out of Eleven research scholars have been awarded PhD Degrees this year. They published their research in reputed journals. Other research scholars are performing well and contributing to the research outcome of the Department. We are having hard-working students, a young and dynamic faculty whose expertise spans the range of disciplines in the Information Technology stream. The University has introduced a six months industry internship in the last semester of B. Tech. Programme from this year. We motivated and helped students to join internships to get industrial exposure and opportunity to work on live projects. Our alumni actively supported offering internships to the students. Many students participated in various technical, cultural and social events at the Department and University level.

Almost all the students have been placed in reputed industries and they are working with dedication and commitment to fulfil the expectations of the corporate world. I am confident that the students of the Department would excel in their professional careers.

Dr. Sanjay R. Sutar

(Head, IT Department)

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 need 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 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 the 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	19	7	26	6	2	8	1	0	1	16	6	22	7	0	7	0	0	0	49	15	64
Second Year	19	10	29	6	4	10	0	1	1	18	11	29	2	3	5	0	0	0	45	29	74
Third Year	14	13	27	5	4	9	1	0	1	13	12	25	6	5	11	2	0	2	41	34	75
Final Year	15	13	28	12	6	18	0	0	0	12	9	21	4	4	8	2	0	2	45	29	74

7. Additional Responsibilities to the Faculty

1. Dr. Jadhav Shivajirao Manikrao

1. Member - Departmental Research Committee

2. Research Progress Assessment Committee
3. Department IQAC Committee
4. Final Year B.Tech. Project Guide
5. Board of Studies Member
6. Chairman, University Alumni Committee
7. Departmental Procurement Committee Member
8. Chairman, NBA working committee
9. Chairman, industry collaboration committee
10. Member, Departmental Advisory Committee
11. Chairman. MoU committee
12. Chairman, Add-on courses
13. University Board of Administration Member
14. University Infrastructure development committee member
15. Screening and Verification Committee for CAS promotion Member
16. Coordinator: center for cyber security
18. Member: Research Projects scrutiny committee
19. Adhoc Board of ICT member
20. Expert committee for Technical book writing/ Technical book translation: Member
21. Member: guideline preparation committee for online course
22. NAAC Steering Committee member
23. Committee for CCTNS Project Member
24. Chairman, Technical Committee
25. Space reallocation committee member
26. Coordinator, Computer Center Maintenance committee

27. Coordinator, Website update committee
28. Member, Write off committee
29. RUSA monitoring Committee member
30. RUSA ICT infrastructure committee chairman
31. Coordinator, GeM purchase Scrutiny committee
32. University MoU Committee Chairman
33. Guideline preparation committee for professor and associate professor promotions under CAS: Member
34. University Website Administrator
35. Computer Center In-charge

2. Prof. Sutar Sanjay Raghunath

1. Coordinator, Timetable and academic calendar
2. Coordinator, Cultural activities
4. Member Secretary, AKAM
5. Chairman, Board of Studies, Department of Information Technology
6. Head of Department, IT

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. University GeM portal Coordinator
5. Departmental Purchase Incharge

6. Member, University T&P cell
7. Associate Dean, WiFi networking
8. Member Secretary, Technical Committee
9. Member,DPC for ICT
- 10.Member, Library advisory Committee
11. Member, Canteen Committee (Commercial Establishment)
12. Member, RGSTC Project Appraisal Committee
13. Member, University IQAC
14. Member, University Diary and Calendar printing committee
15. Member, University NBA committee

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. 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. In-charge Academic Section
2. Associate Dean, Technology Exchange Programme
3. Rector, Hostel Malaygiri
4. Member, RUSA committee
5. Woman Entrepreneurship and Empowerment Cell, Member
6. Member, Annual Report Committee
7. Identity Card Committee Member
8. University Security Committee Member
9. University Sports Committee Member

10. Chairman and member 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	Member
2	Dr. S. R. Sutar, Department of Information Technology Dr. Babasaheb Ambedkar Technological University, Lonere- Raigad	Chairman
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	Antivirus & Router	01	6,774/-
2	Internet Facility	Whole Dept	9,348/-

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

A. Y.	Name of Workshop	No. of Participant	Date
2020-21	Ethical Hacking	150	21st November 2020
	Drone Programming	100	9th January 2021
	Career opportunities in cyber security	250	15th May 2021
	Cryptography: key ingredients of digital world	200	29th May 2021
	Password- have been hacked?	100	12th June 2021
	Google workspace for education for faculty and staff	80	25th March, 2021
	GSuite Education: Admin Workshop for faculty	80	21st, March 2021

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