

SNDT Women's University

Annual Report 2020-21

1.	Name and Address of the Department / Institute / college	Usha Mittal Institute of Technology		
2.	Year of Establishment	1997		
3.	Name of the Director/ HOD/Principal	Dr. Sanjay S. Pawar		
	Name of the In-charge Director/ HOD/Principal	Dr. Shikha Nema		
	Contact Details:	022-26605183		
	i. Tel. No. (O)			
	ii. Fax No	022-26606040		
	iii. E-mail	umit@sndt.ac.in		
	iv. Website	www.umit.ac.in		
4.	Details of the Degree/Diploma/Certificates (UG/PG) Programmes	Name of the Programme	Year of starting	Aided/ Unaided
	i. Name of the Degree/s	B.Tech M.Tech	1997 2013	Unaided
	ii. Name of the Diploma/s	-	-	-
	iii. Name of the Certificate Programme/s	-	-	-
	iv. Online Programmes offered (if any)	-	-	-
5.	Details of the Intake Capacity	B.Tech - 60 (F.Y.) M.Tech - 18 (F.Y.)	DSE - 06 each Branch	

Name of the Degree/Diploma Programme	Intake capacity for			
	UG	PG	M. Phil	Ph.D.
B.Tech in Electronics and Communication	60	-	-	-
B.Tech in Computer Science and Technology	60	-	-	-
B.Tech in Information Technology	60	-	-	-
B.Tech in Computer Engineering	60	-	-	-
B.Tech in Data Science	60	-	-	-
M.Tech in Electronics and Communication	-	18	-	-
B.Tech in Information Technology	-	18	-	-
Ph.D. in Electronics and Communication	-	-	-	As per Univ.
Ph.D. in Computer Science and Technology	-	-	-	As per Univ.

6. Details of the Admissions for the year 2020-21 (Total admissions in your department/colleges)

6.1 Category wise data

Name of the Degree/Diploma Programme	Category wise					
	Open	SC	ST	NTDT	OBC	SBC
Undergraduate	457	96	02	49	146	23
Postgraduate	01	01	-	-	-	-
Ph.D.	-	-	-	-	-	-

6.2 Yearwise data

Degree/Diploma Programme	Name of the Programme	Year wise				
		Year I	Year II	Year III	Year IV	Total
Certificate	-	-	-	-	-	-
Diploma	-	-	-	-	-	-
Undergraduate degree	B.Tech	212	179	187	196	773
Postgraduate Diploma	-	-	-	-	-	-
Postgraduate degree	M.Tech	02	-	-	-	02
Ph.D.		-	-	-	-	-

7. Details of the Scholarships received by the students in the year 2020-21

Sr. No.	Name of the Scholarship/ Fellowship received by the students	Number of students receiving	Name of the organization/Ministry/ Department awarding scholarship/Fellowship (use separate row for each fellowship/ scholarship)	Total amount
1.	Government of India Post-Matric Scholarship	34	Social Justice and Special Assistance Department	28,66,608
2.	Post-Matric Tuition Fee and Examination Fee (Freeship)	59	Social Justice and Special Assistance Department	49,74,939
3.	Post-Matric Scholarship to OBC students	45	OBC, SEBC, VJNT & SBC Welfare Department	14,24,430
4.	Tuition Fee and Examination Fee to OBC students (Freeship)	97	OBC, SEBC, VJNT & SBC Welfare Department	30,70,438
5.	Post-Matric Scholarship to SBC students	7	OBC, SEBC, VJNT & SBC Welfare Department	

6.	Tuition Fee and Examination Fee to SBC students (Freeship)	16	OBC, SEBC, VJNT & SBC Welfare Department	
7.	Post-Matric Scholarship to VJNT students	15	OBC, SEBC, VJNT & SBC Welfare Department	
8.	Tuition Fee and Examination Fee to VJNT students (Freeship)	33	OBC, SEBC, VJNT & SBC Welfare Department	
9.	Post-Matric Scholarship scheme (Government of India)	1	Tribal Development Department	
10.	Tuition Fee and Exam Fee for Tribal students (Freeship)	1	Tribal Development Department	
11.	Scholarship for Students of minority communities pursuing higher and Professional Courses (DTE)	1	Directorate of Technical Education	
12.	Rajarshi Chhatrapati Shahu Maharaj shikshan shulkh shishyavrutti yajna (EBC)	89	Directorate of Technical Education	

8. Details of the Faculty members as on May 31, 2021

S. N.	Name of the Faculty Member	Qualification	Subject of teaching	Designation	Nature of appointment Permanent/ Adhoc/ CHB	Category Open/ Reserved	Date of appointment
1.	Dr. Sanjay S. Pawar	Ph.D.	ENC	Principal	Permanent	OPEN	07/08/1999
2.	Prof. Shikha Nema	Ph.D.	ENC	Professor	Permanent	OPEN	15/06/2012
3.	Ms. Kavita Mhatre	M.E.	ENC	Asso. Prof.	Permanent	OPEN	01/12/2000
4.	Ms. Santoshi Pote	M.E.	ENC	Asso. Prof.	Permanent	SC	01/11/2007
5.	Ms. Seema Hanchate	M.E.	ENC	Asst. Prof.	Permanent	OPEN	02/01/2008
6.	Mr. Bharat Patil	M.E.	ENC	Asst. Prof.	Permanent	SC	01/11/2000
7.	Mr. Ajay Lahane	M.E.	ENC	Asst. Prof.	Permanent	OBC	01/11/2000
8.	Mr. Yashwant Kale	M.E.	ENC	Asst. Prof.	Permanent	OPEN	29/12/2000
9.	Ms. Kiran Dange	M.E.	ENC	Asst. Prof.	Permanent	SC	13/10/2003

10	Ms. Kumud Wasnik	M.E.	CST	Asst. Prof.	Permanent	SC	01/02/1999
11	Mr. Narendra Gawai	M.E.	CST	Asst. Prof.	Permanent	SC	01/02/1999
12	Mr. Sumedh Pundkar	M.E.	CST	Asst. Prof.	Permanent	SC	06/11/2000
12	Ms. Rachana Dhannawat	M.E.	CST	Asst. Prof.	Permanent	OPEN	12/12/2005
13	Ms. Amrapali Mhaisgawali	M.E.	CST	Asst. Prof.	Permanent	SC	08/10/2007
14	Dr. Sanjay Shitole	Ph.D.	IT	Asso. Prof.	Permanent	OPEN	01/12/2004
15	Ms. Prachi Dhannawat	M.E.	IT	Asst. Prof.	Permanent	OPEN	13/10/2003
16	Ms. Anita Morey	M.E.	IT	Asst. Prof.	Permanent	SC	20/10/2003
17	Ms. Sujata Kullur	M.E.	IT	Asst. Prof.	Permanent	NT	11/11/2003
18	Mr. Mohan Bonde	M.E.	IT	Asst. Prof.	Permanent	OBC	17/11/2003
19	Mr. Rajesh Kolte	M.Tech	IT	Asst. Prof.	Permanent	OPEN	03/12/2003
20	Mr. Prakash Khelge	M.Tech	IT	Asst. Prof.	Permanent	OPEN	01/09/2007
21	Ms. Sharmila A. K.	M.Sc.	Applied Sci.	Asst. Prof.	Permanent	OPEN	13/03/1999
22	Ms. Rajni Nair	M.Phil	Applied Sci.	Asst. Prof.	Permanent	OPEN	03/10/2000
23	Mr. Vilas Kharat	M.E.	Applied Sci.	Asst. Prof.	Permanent	SC	21/11/2003
24	Ms. Jyothi Sequeira	Ph.D.	Applied Sci.	Asst. Prof.	Permanent	OPEN	20/08/2014
25	Ms. Arundhati Mehendale	M.E.	Electronics	Asst. Prof.	Permanent	OPEN	21/08/2014
27	Ms. Poonam More	M.E.	Electronics	Asst. Prof.	Adhoc	SC	15/11/2021
28	Ms. Sonali Bodekar	M.E.	CST	Asst. Prof.	Adhoc	OBC	15/11/2021
29	Prajakata Gotarne	M.E	CST	Asst. Prof	Adhoc	OBC	15/11/21
30	Merrin Marry Solomom	M.Tech	ENC	Asst. Prof	Adhoc	OBC	15/11/21

9a. No. of guest faculty invited during the year:

(Those who are invited as experts to conduct one or two session)

Name of the Guest Faculty	Details about position held/Distinguished nature
1.	

2.	
3.	

9. Details of the Non-Teaching Staff as on May 31, 2020

Sr. No.	Name of the Employee	Designation	Nature of appointment	Date of Appointment	Category
1.	Shri. Gajanan Joshi	Assistant Accountant	Permanent	18/12/2014	OPEN
2.	Ms. Ateya B. Kasmani	Sr. Clerk	Permanent	01/06/1998	OPEN
3.	Smt. Hansa B. Gosavi	Sr. Clerk	Permanent	13/11/2014	SC
4.	Mr. Shreedhar S. Chavan	Data-Entry-Operator	Permanent	05/05/1999	OPEN
5.	Mr. Vasant Kadam	Clerk-cum-Typist	Permanent	11/03/2014	OPEN
6.	Mr. Vinod Helgaonkar	Clerk-cum-Typist	Permanent	14/03/2014	SC
7.	Mr. Yogesh More	Clerk-cum-Typist	Permanent	10/09/2014	OPEN
8.	Mr. Nagnath Malwatkar	Clerk-cum-Typist	Permanent	10/09/2014	OPEN
9.	Mr. Rajesh M. Gosavi	Tech. Lab Asst.	Permanent	14/09/1998	NT
10.	Mr. Subodh M. Chavan	Laboratory Asst.	Permanent	17/09/1997	OPEN
11.	Mr. Chandrakant Amale	Laboratory Asst.	Permanent	19/12/2011	OBC
12.	Mr. Uday Kadam	Laboratory Attendant	Permanent	08/09/1998	OBC
13.	Mr. Nitin A. Shinde	Laboratory Attendant	Permanent	09/09/1998	OPEN
14.	Mr. Rajesh Nanarkar	Peon-cum-Lab Attd.	Permanent	01/01/2006	OPEN
15.	Mr. Gunaji A. Jadhav	Peon-cum-Lab Attd.	Permanent	01/01/2006	SC
16.	Mr. Pandurang Khamgal	Peon	Permanent	20/08/2014	ST
17.	Ms. Deepti Warise	Peon	Permanent	25/09/2014	OBC
18.	Sakshi Santosh Aroskar	Lab Technician	Temporary	01/03/2021	OPEN

10. Academic Activities / State Level / National / International Level held by the College / Department/ Institute between June 1, 2020 to May 31, 2021

10.1 Organised during 2020-21

Sr. No.	Title of the Conference/ Seminar/Workshop	Date * and Venue	Sponsoring Agency	No. of Participants	international, national or state level
1.	Natural Language Processing with Google AI and Dialogflow and its application	24 th to 29 th May 2021	AICTE	50	International
2.	Natural Language Processing with Google AI and Dialogflow and its application	21 st to 26 th June 2021	AICTE	57	International
3.					
4.					

* All dates should be stated in the following format only: May 31, 2016/ May 29-31, 2017/ April 23-May 4, 2017 (Month date, year)

10.2 Organization of other events

Sr. No.	Title of the Conference/ Seminar/Workshop	Date * and Venue	Sponsoring Agency	No. of Participants	international, national or state level
1.	Film Festival				
2.	Vidyarthini Sahitya Sammelan				
3.	Student led Conference				
4.	Other programmes of Subject Associations (pl specify)				

11. Particulars of Faculty participation and papers presented (June 2020 to May 2021)

Sr. No.	Name of the Faculty member	Title of the Paper Presented	Title of the Conference/Seminar	Date and Venue of the Conference/Seminar and name of the Organizer (College, University, institution etc)	International, national or state level	If Chaired a session/ keynote speaker
1.	Dr. Sanjay S. Pawar					
2.	Prof. Shikha Nema					
3.	Ms. Kavita Mhatre					
4.	Ms. Santoshi Pote					
5.	Ms. Seema Hanchate	Low Complexity IAOR Signal Detection	International Conf.on Nanoelectronics Machine learning,IOT	13 14/03/2021, Bopal	International	

		for Uplink GSM - Massive MIMO Systems	& Computing Systems			
6.		Diabetic Retinopathy Detection using Deep Learning	International Conference on Smart Technologies in Computing, Electrical and Electronics (ICSTCEE), 2020	10,11/10/2020	International	
7.	Mr. Bharat Patil					
8.	Mr. Ajay Lahane					
9.	Mr. Yashwant Kale					
10.	Ms. Kiran Dange					
11.	Ms. Kumud Wasnik	Design and implementation of college student information android application	International Research Journal of Engineering & Technology	June, 2020 UGC approved	International	
		Cyber bullying detection on twitter mining	International Research Journal of Engineering & Technology	July, 2020 UGC approved	International	
12.	Mr. Narendra Gawai					
13.	Mr. Sumedh Pundkar					
14.	Ms. Rachana Dhannawat	-	-	-	-	-
15.	Ms. Amrapali Mhaisgawali					
16.	Dr. Sanjay Shitole					
17.	Ms. Prachi Dhannawat					
18.	Ms. Anita Morey	Dynamic Cooperative Multi-Cell Selection using Time	International Conference on Communication, Information and Computing	SPIT, Andheri, Mumbai on June 25-27 2021	International	0

		Difference of Arrival in LTE network	Technology, 2021 (ICCICT-2021)			
19.	Ms. Sujata Kullur					
20.	Mr. Mohan Bonde					
21.	Mr. Rajesh Kolte					
22.	Mr. Prakash Khelge					
23.	Ms. Sharmila A. K.					
24.	Ms. Rajni Nair					
25.	Mr. Vilas Kharat					
26.	Ms. Jyothi Sequeira					
27.	Ms. Arundhati Mehendale					
28.	Ms. Poonam More					
29.	Ms. Sonali Bodekar					

12. Particulars of Faculty participation in workshops conducted by the department/ College or by others outside SNTWU (during June 2020 to May 2021)

Sr. No.	Name of the Faculty member	Title of the Workshop	Date and Venue of the Workshop and name of the Organizer (College, University, institution etc)	International, national or state level	If Resource Person (Conducted session)
1.	Dr. Sanjay S. Pawar				
2.	Prof. Shikha Nema				
3.	Dr. Kavita Mhatre				
4.	Dr. Santoshi Pote	Three days FDP Recent trends and advances of next generation 5G Technologies.	17th to 19th June, 2021	National	
		AICTE sponsored one week Short Term Training Program on Green Internet of Things conducted from 10th to 15th August, 2020.	10th to 15th August, 2020.	National	
		National workshop on "Learning Management System: Moodle"	July 27 th to August 2 2020	National	

5.	Ms. Seema Hanchate	STTP on Latex	20/07/2020 to 24/07/2020 Sipna College of Engg. And Tech.,Amaravati.	National	
		One Week online FDP on “ Security Issues & Role of Cryptography in Communication”	22/6/2020 to 26/6/2020 at Usha Mittal Institute of Technology, SNTD University	International	
6.	Mr. Bharat Patil				
7.	Mr. Ajay Lahane				
8.	Mr. Yashwant Kale				
9.	Ms. Kiran Dange				
10.	Ms. Kumud Wasnik				
11.	Mr. Narendra Gawai				
12.	Mr. Sumedh Pundkar				
13.	Ms. Rachana Dhannawat	One Week online FDP on “ Security Issues & Role of Cryptography in Communication”	22/6/2020 to 26/6/2020 at Usha Mittal Institute of Technology, SNTD University	International	
		ISTE approved One Week online FDP on “Digital Content Development for Effective and Efficient Teaching”	27-7-2020 to 1-8-2020 organized by Sipna College of Engineering and Technology, Amravati	International	
14.		Webinar on “Stress Management Among Teachers : Through Wisdom of Shrimad Bhagvad Gita”	on 11/6/2020 by somaiya college, Mumbai University	National	
		Webinar on “Big Data Analytics – Using AI”	on 20-7-2020 by Laxmichand Institute of Technology Bilaspur, in association with Pantech Learning	National	

		Webinar on “AI and Computer Vision Applications”	on 21-7-2020 by UMIT, SNTD	National	
		Webinar on Artificial Neural Networks - Changing the World	on 14-7-2020 by Department of Electronics and Communication, UMIT, SNTDWU, Mumbai	National	
		Webinar on “People , AI and Robots”	on 1-7-20 by UMIT in association with Vaave	National	
		Webinar on “Deep Learning Techniques- CNN,R-CNN”	on 9-7-20 by BV Raju Institute of Technology, Hyderabad, in association with Pantech Solutions	National	
		Webinar on “Satellite Image Fusion Techniques”	on 23-7-20 by Indur Institute of Engineering and Technology Siddipet, Telangana, in association with Pantech Solutions	National	
		Webinar on “Understanding Artificial Intelligence tools, platforms and services “	on 8-7-20 by Ethiraj college for women, Chennai in association with Pantech e learning	National	
15.	Ms. Amrapali Mhaisgawali				
16.	Dr. Sanjay Shitole				
17.	Ms. Prachi Dhannawat				
18.	Ms. Anita Morey	One Week online FDP on “ Security Issues & Role of Cryptography in Communication”	22/6/2020 to 26/6/2020 at Usha Mittal Institute of Technology, SNTD University	International	
		6-Week online courser on “Big Data Modeling and Management Systems”,	University of California San Diego, Coursera April- May 2021. (10 May 2021)	International	
19.	Ms. Sujata Kullur				
20.	Mr. Mohan Bonde	One Week online FDP on “	22/6/2020 to 26/6/2020 at Usha	International	

		Security Issues & Role of Cryptography in Communication”	Mittal Institute of Technology, SNDT University		
21.	Mr. Rajesh Kolte				
22.	Mr. Prakash Khelge				
23.	Ms. Sharmila A. K.				
24.	Ms. Rajni Nair				
25.	Mr. Vilas Kharat				
26.	Ms. Jyothi Sequeira				
27.	Ms. Arundhati Mehendale				
28.	Ms. Poonam More				
29.	Ms. Sonali Bodekar				

13. Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Title of the programme	Dates	Number of faculty benefitted
Refresher courses			
UGC – Faculty Improvement Programme			
HRD programmes			
Orientation programmes			
Faculty exchange programme			
Staff training conducted by the university			
Staff training conducted by other institutions			
Summer / Winter schools, Workshops, etc.			
Others (pl specify. May add rows)			

14. Details of the Publication during June 1, 2020 to May 31, 2021

14.1 Journal Articles (Pl ma example below)

Dr. Parul Zaveri

- Digital library education at S.H.P.T. School of Library Science, S.N.D.T. Women’s University, Mumbai. *International Journal of Information Research*, 1(4), June 2012, pp. 41-51. ISSN: 2249 8273

Sr. No.	Name of the author/s	Title of the article	Journal Title (National/International/other)	Date of publication in the Journal	Volume No., Issue No., Page No., ISSN No	Peer review/ e-journal/ refereed

1.	Dr. Sanjay S. Pawar					
2.	Prof. Shikha Nema					
3.	Ms. Kavita Mhatre	War Field Robot with night Vision	International Journal of Engineering and Advanced Technology (IJEAT)	2020		Scoups Indexed
4.	Ms. Santoshi Pote	Credit Card Detection using Deep learning based on Neural Network and Auto encoder	International Journal of Engineering and Advanced Technology	2020	Volume-9, issue-5	Peer review
		Credit Card Fruad Detection using Different Machine Learning Models	International Journal of Creative Research Thoughts	2020	Volume-8, issue-4, 2020, pages 1306-1311	Peer Review
5.	Ms. Seema Hanchate	Sensor based water pollution Monitoring System	Journal of Information & Computational Science	2021	Volume 11, Issue 6, ISSN-1548-7741	peer review
6.	Mr. Bharat Patil					
7.	Mr. Ajay Lahane					
8.	Mr. Yashwant Kale					
9.	Ms. Kiran Dange					
10.	Ms. Kumud Wasnik					
11.	Mr. Narendra Gawai					
12.	Mr. Sumedh Pundkar					
13.	Ms. Rachana Dhannawat	-	-	-	-	-
14.	Ms. Amrapali Mhaisgawali					

15.	Dr. Sanjay Shitole					
16.	Ms. Prachi Dhannawat					
17.	Ms. Anita Morey	1. Tracking and Tracing of Fake Data	International Journal of All Research Education and Scientific Methods (IJARESM)	May 2021	Volume 9, Issue 5, ISSN: 2455-6211	peer review
		2. Online Voting System Based on Visual Cryptography and Biometric	International Research Journal of Engineering and Technology (IRJET)	June 2021	Vol. 8, Issue 6, ISSN 2395-0072, Page 3716	peer review
		3. IMAGE ENHANCEMENT FRAMEWORK FOR ARMY APPLICATIONS	Journal of Emerging Technologies and Innovative Research (JETIR)	September 2020	Volume 7, Issue 9	ISSN-2349-5162
		4. Traffic light classification using yolo detection	International journal for science and advance research in technology	September 2020	Volume 6 Issue 9, Page 454	ISSN : 2395-1052
18.	Ms. Sujata Kullur					
19.	Mr. Mohan Bonde	REAL TIME FACE MASK DETECTION USING MACHINE LEARNING	Journal of Emerging Technologies and Innovative Research (JETIR)	May 2021,	Volume 8, Issue 5 ISSN-2349-5162	Peer-Reviewed, Refereed
		Using Machine Learning and Artificial Intelligence Principles to Implement a Wealth Management System	International Journal of Soft Computing and Engineering (IJSCE)	May 2021	Volume-10 Issue-5, ISSN: 2231-2307	Open Access
		Food Item Calorie Estimation Using YOLOv4 and Image Processing	International Journal of Computer Trends and Technology (IJCTT)	May 2021	Volume 69, Issue 5, 69-76 ISSN: 2231-2803	
20.	Mr. Rajesh Kolte					
21.	Mr. Prakash Khelge					
22.	Ms. Sharmila A. K.					

23.	Ms. Rajni Nair					
24.	Mr. Vilas Kharat					
25.	Ms. Jyothi Sequeira					
26.	Ms. Arundhati Mehendale	Effect of Covid-19 on features of Speech Signal	PENSEE International Journal	Volume 51,issue - 04-2021,	Paper ID- PNS-0421-271, ISSN-0031-4773	Peer Reviewed
27.	Ms. Poonam More					
28.	Ms. Sonali Bodekar					

14.2 Books (PI see example below)

Dr. Chitra Sohani

Constructivism and Teaching learning process. In Adhyana Adhyapan Prakriya (Teaching learning Process). Nasik: Insight Publication, September 2012. ISBN: 987-93-81354-32-2

Sr. No.	Name of the author/s	Title of the book	Place of Publication	Publisher	Year of Publication, Pagination, ISBN No
1.					
2.					
3.					

14.3 No. of Chapters in Edited book (PI see example below):

Mr. Joy Kutty

Community Organization as a Method of Practice. In Jaymala Dumre (ed.). Lifelong Learning Through Skill Development. Nagpur: Rashtrasant Tukadoji Maharaj Nagpur University, Department of Continuing, Adult Education & Extension, 2012. ISBN: 978-93-5067-270-9

Sr. No.	Name of the author/s	Title of the Chapter	Title of the book	Place of Publication	Publisher	Year of Publication, Pagination, ISBN No
1.						
2.						
3.						

14.4 Conference Proceedings (PI see example below)

Prof. Madhura Kesarkar and Dr. Jayshree Shinde

Evaluation of Learning Objects. In Proceedings of the Regional Symposium on Open Education Resources: An Asian Perspective on Policy and Practices, September 19-21,, 2012.

Available at http://www.oerasia.org/symposium/OERAsia_Symposium_Penang_2012_Proceedings.pdf

Sr. No.	Name of the author/s	Title of the Paper	Name and date of conference	Publisher and Place of Publication	Year of Publication, Pagnation, ISBN No	If online then give link
1.						
2.						
3.						

14.5 Other Publications (PI see example below)

Dr. Mansi Rajhans

1. Punesthit Wayaskanmadhi Samadhan, Bhavananbhav ani Shaktisthan yancha Abhys. Manasshastra Patrika, November, 2012. pp. 5-9. (Marathi)

Sr. No.	Name of the author/s	Title of the Paper/article/book	Publisher and Place of Publication	Year of Publication, Pagnation, ISBN No	If online then give link
1.					
2.					
3.					

15. Details of Research Projects during 01.06.2020 to 31.05.2021: (Faculty and Ph.D. students):

15.1 Faculty research

S. N.	Name of the Faculty member	Minor/ Major/ Ph.D. or other	Title of the research project	Funding agency	Duration with Starting date. (and ending date in case of completed project)	Grant (Rs.) or cost of project	Status: Completed/ ongoing/ Sanctioned/ Submitted)
1.	Sanjay Shitole	Major	Development of machine learning tool for speckle reduction and Land applications	ISRO	3 years	21 lakh	Ongoing
2.							
3.							
4.							

15.2 Student Research

Ph.D. guides in the Department:

Sr. no.	Name of the Guide	Internal/External	Intake	No. of students registered	No. of students awarded degree in the year 2020-21
	Dr. Sanjay S. Pawar	Internal		04	1
	Dr. Shikha Nema	Internal		03	2
	Dr. Sanjay Shitole	Internal		04	

15.3 Ph.D. Students

Sr. No.	Name of the Research Scholar	Name of the Guide	Date of registration	Title of the research study	Status: ongoing /Completed in the year 2020-21 (Date of notification)	Fellowship Received (if any)	
						Type and title of fellowship	Amount
1.	Hanchate Seema M.	Dr. Shikha Nema	Wireless Network	ongoing			
2.	Kelkar Vishakha	Dr. Kushal Tuckley	Signal Processing	ongoing			
3.	Mythrayee Ramasamy	Dr. Sanjay Pawar	Next Generation Networks	ongoing			
4.	Lonkar Smita	Dr. K.T.V. Reddy	Antenna	ongoing			
5.	Kaur Amarjeet	Dr. Sasikumar	Artificial Intelligence	ongoing		Rs. 40000/-	
6.	Sawant Rupali S.	Dr. Shikha Nema	Wireless Communication	ongoing			
7.	Bakshi Aarti M.	Dr. Sunil Koroppu	Signal Processing	ongoing			
8.	Bokare Shreya	Dr. Sanjay Pawar	Small cell design	ongoing			
9.	Sahoo Gitimayee	Dr. Sanjay Pawar	Software design storage N/W coding	ongoing			
10.	Ms.Charushila Raskar	Dr. Shikha Nema	Smart barricade movement for the traffic management	ongoing	Visvesvaraya PhD scheme	Rs. 35000/-	

11.	Jain Vijal V.	Dr. Sanjay Shitole		ongoing			
12.	Kale Rupali S.	Dr. Sanjay Shitole		ongoing			
13.	Kanade Dhanashri S.	Dr. Sanjay Shitole		ongoing			
14.	Nage Pranoti D	Dr. Sanjay Shitole		ongoing			
15.	Sanchali Khirsagar	Dr. Sanjay Pawar	Design of IoT systems for 5G Applications	Ongoing			

16. Details of the Honours /Awards/Prizes :

16.1 Student Awards (Pl mention other than University awards received in convocation and other competitions)

Sr. No.	Name of Student	Title of Award	Name of Organisation	Purpose	Date
1.	Shreya Bokare	Runner up Prize at State level "Avishkar 2020" (Scholarship of Rs.1.30 lakhs) and Engineering and Technology Rotating trophy for year 2020.	Avishkar-2020	Research	
2.	Sneha Thakur Kanika Yadav Ramya Rajeshwari Bhairavi Vedak Dhanashree Kadam	18 th position out of Top 100 winners in TOYCATHON 2021 grand finale TEAM QUINTET CODE	TOYCATHON 2021	FOCUSED ON INDIAN CULTURE AND ETHOS TO RESTORE TRADATION	26 th June

				AL INDIAN GAMES (SHRI NARENDRA MODI)	
3.	Sapana Yadav Ruth Marilyn Vinaya Phonde	Selected for TOYCATHON 2021 GRAND DREAM THREE	TOYCATHON 2021	FOCUSED ON INDIAN CULTURE AND ETHOS TO RESTORE TRADITIONAL INDIAN GAMES (SHRI NARENDRA MODI)	24 TH June
4.	Aditi Pawar Asmita Surve	Best Paper Award	GSSS Institute of Engineering and Technology for Women	Project Competition	28 th June

16.2 Faculty Awards (Pl mention State/National /International Awards/ felicitation)

Sr. No.	Name of Faculty	Title of Award	Name of Organisation	Purpose	Date
1.	Sanjay S Pawar	Best Paper Award	IEEE ANTS	Research	2020
2.	Sanjay Shitole,	Best Paper Award	GRASS 2020 Symposium	Research	2020
3.	Sanjay Shitole	Best Paper Award	Conference	Research	2020
4.					

17. Number of students who passed competitive examination:

Competitive Examination	No. of students passed
NET	
SET/SLET	
GATE	
CAT	
IAS/IPS etc	
UPSC	

MPSC	
Others	

18. Details of the Study Visits of Students /Teaching Staff and Non-Teaching and visitors during 01.06.2020 to 31.05.2021 (Local / State / National / International)

18.1 Study Visits

Sr. No.	Year	Place of visit	Name of the accompanying Faculty	Purpose	Date
1.	First Year				
2.	Second Year				
3.	Third Year				
4.	Fourth Year				

18.2 Visitors to the department/College/Institute (from Maharashtra or other States)

Sr. No.	Name of the Visitor	Position, Institution name	Place	Purpose / Occasion	Date
1.					
2.					
3.					

18.3 International Visitors to the department/College/Institute

Sr. No.	Name of the Visitor	Position, Institution name	Place/Country	Purpose / Occasion	Date
1.					
2.					
3.					
4.					

19. Social Initiatives undertaken by the students: (we must give some examples of social initiatives)

Sr.No.	Social initiative	Place and Organisation involved	No. of students participated
1.	Prerna Camp- Importance of tree plantation & liquor ban	NSS UMIT	25
2.	Community Health Challenges of Hepatitis B and C'	NSS UMIT	30
3.	Webinar on Organ Donation	NSS UMIT, Rajya Bhavan, Fortis hospital	27
4.	Clean-a-thon 2020: National Level Poster Making Competition	Rajani foundation, NSS UMIT	40
5.	Digital Literacy Event	NSS UMIT, Angel Xpress Foundation.	55
6.	Josh: Run for Fitness	NSS UMIT	20
7.	Community Connect Fellowship Batch 1	Blue ribbon Movement foundation, NSS UMIT	17
8.	Blog Writing Competition	NSS UMIT, My family, My Responsibility by CM Udhhav ji Thackery	30
9.	Unity Cultural Gala-Rastriya ekta diwas	NSS UMIT	26
10.	Digital Tree Plantation	NSS UMIT	14
11.	National Science Day Quiz	Nss Umit	28
12.	Rashtriya Ekta Diwas	NSS UMIT	20

13.	RhymeLight	Muskurahat Foundation (zoom) Rotaract Club	34
14.	WorldResponsible Youth(WRY)	MahimCauseway,CamaSchool, GhatkoparStation Rotaract club	6
15.	IEEE Collabratec	Google Meet ,IEEE UMIT	60
16.	IEEE GRSS on scientific and data handling of India's Chandrayaan Mission	Google Meet ,IEEE UMIT	50
17.	Green IT seminar	Google Meet ,IEEE UMIT	70
18.	IoT@Environment Seminar	Google Meet ,IEEE UMIT	58
19.	CP in 7 days - #01 Study Jams	Google Meet, CodeChef UMIT	100
20.	CP in 7 days - #02 Introduction to Placement	Google Meet, CodeChef UMIT	100
21.	CP in 7 days - #03 Introduction to DP	Google Meet, CodeChef UMIT	100
22.	Code Enroute #01 Implementing Tree Data Structures	Google Meet, CodeChef UMIT	30
23.	Code Enroute #02 CP and Problem Setting	Google Meet, CodeChef UMIT	45
24.	Code Enroute #03 Acing Hackathon and Placement Journey	Google Meet, CodeChef UMIT	33
25.	Code Enroute #04 Graph Concepts & Interview Prep	Google Meet, CodeChef UMIT	40
26	Solution Challenge Info Session (To solve UN-17 sustainable development goals)	Google Meet,GDSC UMIT	60

27	Women's Day Special (Women in Technology awareness and scholarships)	Youtube Live,GDSC UMIT	250
28	SELF DEFENCE SESSION	Google meet, Sports Council	40
29			

20. Internship (In the year 2020-21)

Sr. no.	Name of the organization	Type (Educational, Industry, organization etc.)	Paid/unpaid internship (If paid then amount of stipend)	No. of students
1.	Oracle	Database Software Management and Technology	30,000	5
2.	Deutsche Bank	Bank	75,000	5
3.	Barclays	Bank	66,667	3
4.	IBM	Software Company	30,000	1

21. Campus Placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
08	210	111	05

22. Other activities of the Department/College

22.1 Workshops for students (Other State/regional/National level workshops will not be included here)

Sr. No.	Title of the workshop	Date	Venue	Number of students participated
1.	IEEE Day	6th October 2020	Google Meet	75

2.	AI Gaming Workshop (IEEE UMIT)	10th -11th October 2020	Google Meet	60
3.	Webinar on Careers in Cloud Computing (CSI UMIT)	27th September 2020	Google Meet	100
4.	Resume Building Session with Machine learning India (CSI UMIT)	4th October 2020	Instagram Live	140
5.	Webinar on Career Options to pursue after Graduation (CSI UMIT)	19th December 2020	Google Meet	50
6.	Workshop: Use of GIT and GITHUB for real world projects (CSI UMIT)	4th April 2021	Google Meet	50
7.	CODATHON Day 1: Problem Solving Session + Open Doubt Session + Quiz (Codechef UMIT)	28 DEC 2020	CodeChef Platform	15
8.	CODIGO - Basics of Coding	19 MARCH 2020	Google Meet	55
9	CODATHON Day 2: Contest + Open Doubt Session	29 DEC 2020	CodeChef Platform	15
10	CODIGO - Intro to dynamic data structures	21 MARCH 2021	Google Meet	55
11	Game Marathon(E-cell UMIT)	30 th September,20 20	Google Meet	36
12	ENNOVATION '21 (E-cell UMIT)	13-14 March	Google Meet	More than 100
13	Study Jam on Google Cloud - I (Google developer Student Club)	3rd October 2020	Google Meet	70
14	Study Jam on Cloud - II (Google developer Student Club)	18th October 2020	Google Meet	40
15	Roadway to Web Development: Track 1 (Google developer Student Club)	13th November 2020	Google Meet	62
16	Roadway To Web Development: Track 2 (Google developer Student Club)	21st November 2020	Google Meet	60
17	Introductory Session to Android Study Jams (Google developer Student Club)	27th November 2020	Bevy (Virtual Event)	49

18	Android Study Jam - I(Google developer Student Club)	30th December 2020	Bevy (Virtual Event)	55
19	Android Study Jam - II (Google developer Student Club)	17th January 2021	Bevy (Virtual Event)	50
20	Android Study Jam - III (Google developer Student Club)	23rd January 2021	Youtube Live (Virtual Event)	120
21	Insights of GSoC'21 (Google developer Student Club)	3rd January 2021	Youtube Live (Virtual Event)	300
22	Introduction to BlockChain (Google developer Student Club)	31st January 2021	31st January 2021	45
23	Discovering ML Pipelines (Google developer Student Club)	6th February 2021	Google Meet (Virtual Event)	45
24	APIs 101 using Postman (Google developer Student Club)	13th March 2021	Youtube Live (Virtual Event)	40
25	Explore ML(Google developer Student Club)	19th - 21st March 2021	Google meet	150
26	Webinar on abroad study (SNDT ACM Students Chapter)	6th March 2021	Google meet	30
27	INMOVIDU WEBINAR(Sports council)	3rd March 2021	Zoom	100
28	GRE Workshop-WIE	30th November 2020	Google meet	50
29.	Learning Management from mothers-WIE	8th May 2021	Google meet	50

22.2 NSS Activities

Sr No.	NSS activity	Date	Venue	Abstract
1	NSS day	21st Sept 2020	Google meet, Google form	For NSS Day NSS UMIT arranged a quiz to create a deeper understanding of NSS as an organization and to educate people about the works of NSS. The quiz consisted of 18 questions and the total score was 30. The quiz was kept open to all and was taken by many NSS

				volunteers and students across different colleges.
2	NSS week	21nd to 26th Sept 2020	Google meet	NSS UMIT organized an Art and Expression event to celebrate NSS week, held from 21nd to 26th September. The event centred on mental health awareness. The participants were encouraged to unleash their creativity in art forms they preferred, such as paintings, drawings, sketches, doodles, etc.

Sr No.	Title of the workshop	Date	Venue	Number of students participated
1	Online Yoga Workshop	21st June 2020	Google meet	26
2	Prerna Camp- Positive impacts of lockdown and covid19	11th July 2020	Zoom	35
3.	Prerna Camp- Cyber Security & Personality Development	12th July 2020	Zoom	30
4	Prerna Camp - Village Sanitization	14th July 2020	Zoom	37
5	Prerna Camp- Disaster Management	15th July 2020	Zoom	28
6.	Ganpati Decoration Using Upcycling	16th August 2020	Zoom	26
7.	Webinar on the Effect of Tobacco Consumption During Covid -19	11th September 2020	Zoom	40
8	Ek Bharat Shreshtha Bharat: A Walk Through Odisha	4th Oct 20-13th Oct 20	Google meet	37
9	Ek Bharat Shreshtha Bharat: Odia Language	10th October 2020.	Google meet	30
10	Ek Bharat Shreshtha Bharat: Food and Agriculture of Odisha	24th October 2020	Google meet	35
11	Ek Bharat Shreshtha Bharat: Festivals of Odisha	1st November 2020	Google meet	39
12	Ek Bharat Shreshtha Bharat: Architecture of Odisha	7th November 2020	Google meet	30

13	Ek Bharat Shrestha Bharat: Glimpse of Odisha	13th November 2020		40
14	International Women's Day #choose to challenge	8th March 2020	Google meet	50
15	Webinar on Waste Management	15th March 2020	Google meet	28

22.3 Any other student activities

UMIT STUDENT COUNCIL

SR. NO.	TITLE OF THE ACTIVITY	DATE	VENUE	NO. OF STUDENTS PARTICIPATED
1	Induction Program	18 th -22 nd January, 2021	Zoom	250
2	Fresher's Party	3 rd April, 2021	Zoom	200
3	Webinar on how to study abroad	17 th April, 2021	Google meet	100
4	Pre- Arcane Events <ul style="list-style-type: none"> ● Just a minute ● Debate ● Reelavnt ● Artyopia ● On the scene ● Talentsy 	19 th -24 th April, 2021	Zoom	600
5	Arcane Illusions	22 nd -23 rd May, 2021	Zoom	1000
6	Farewell Party	19 th June, 2021	Zoom	180

ARCANE ILLUSIONS 20-21: REALM of MUSES

DATE: 22nd-23rd of May 2021

Abstract:

On May 22nd and 23rd, **UMIT STUDENT COUNCIL** organised its Annual fest “ARCANE ILLUSIONS”.

Talent Hunt was organised on day1, many students from different colleges participated in this event and showcased their talent of singing, dancing, acting, painting etc. This event was judged by a professional dancer Mr. Neeraj Yadav and a musician Mr. Sanish Nair. Next day **Fashion Show** was conducted by the council. Seven teams from different parts of our country participated in this event and showcased their talent. This event was judged by a Fitness model Mr. Shashwath Shetty and Miss Navi Mumbai 2020- Riya Mekkattukulam.

Winners and Runner-ups were awarded with cash prize, coupons, goodies and social media shoutout to celebrate their win.

360 Degrees+ (IEEE)

360 Degrees+ (IEEE Fest) was conducted from 16th to 20th March 2021. The theme for this year's fest was ‘Webrecks’. An annual report of the IEEE Council was presented by the Chairperson Ms. Sonal Singh in the inaugural ceremony. Our second technical magazine of the year - ‘Pulse’ was released at this ceremony. The previous year’s council was awarded virtually during this ceremony. This was the first virtual fest held successfully with events like Mock placement, Buzzcoders, Online treasure hunt, and many other events. Around 100 participants participated in various events and had fun in spite of the online mode.

Abhivyakti 20-21: Nostalgia Ablaze (CSI)

Date: 10th– 11th of April 2021

Abstract:

On April 10th and 11th, the **CSI-UMIT** Council organized its annual fest “Abhivyakti 2021” which was conducted by the Senior council and Junior council of CSI UMIT. Many events were organised including Technical and Non-Technical events. The fest helped attendees to gain knowledge from technical events and on the other hand entertainment through non-technical events. Events organised were, **technical events:** Techie and the Paperlate Factory – Paper Presentation, Mock Mouse – Mock Placement, Cryptobuzz – Coding, Secret Scrolls and Circuit Rangers. **Non-Technical events:** Takeshi’s Wheel, I Spy with my Eye, Home Alone – Online Treasure Hunt, Aesthetic Illusions and Picture Perfect.

Ennovation ‘21 E-cell UMIT

PRE-FEST [FUN EVENTS]

1. Housie Night Date: 4th March 2021
2. VOODOO.LY Date: 7th March 2021

3. Fantomatique [Blog Writing]
4. Bomb In The City

FORMAL EVENTS OF ENNOVATION '21

1. Dalal Street
2. B-Plan
3. E-Trinity
4. Mastermind

INFORMAL EVENTS OF ENNOVATION '21

1. The Grave Rave- Treasure Hunt
2. Scream on Screen- Class Event
3. Witching Hour
4. Cosmic Pond

Student Community

1. Startup Enthusiast Club (WhatsApp grp where entrepreneurs connect with each other)
2. Instagram(quiz and other Online games played)
3. Youtube(streaming of fest and other events)
4. Facebook Posts(informative quotes are shared)

GDSC UNIT

Sr No.	Title	Date	Venue	Number of Students Participated
1	Winter Codess (An Open Source Initiative)	15th December 2020 - 1st March 2021	Discord (Virtual Event)	140
2	30 Days of Web Development (Bootcamp)	21st December 2020 - 21st January 2021	Discord, Youtube Live (Virtual Event)	3500
3	Hack the Space (Hackathon)	17-18th April 2021	Airmeet, Youtube Live (Virtual Event)	400

SNDT ACM Student's Chapter

Sr no.	Title	Date	Venue	Number of students participated
1.	Technical Week (TechNOV 2020)	2nd November to 9th November 2020	Google meet	39
2.	Tech Tornado-2021	1st & 2nd May 2021	Google	50

	TECHNOMANCY (FEST)		meet	
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Sports Council VIRTUAL XUBERANCE

DATE-12th to 16th April 2021.

The Annual Sports fest Xuberance 2020-2021 was held from 12th to 16th April 2021.

The speciality and theme of the event was it was virtual. Even though the participants were at home there was massive participation. There were 100+ participants. Virtual sports is an opportunity to take on a series of physical activity challenges and compete for your class against the other classes in your team for fun, certificates and the overall victory in competition. These virtual activities have been designed to abide by social distancing rules. Various innovative games were planned to focus on the development of the gross motor skills and the mental agility of children. Some activities are about how long you can do something, it involves suryanamaskar, crunches, planks, wall squats, skipping and many such interesting exercises. This virtual xuberance event also comprised of games like J.A.M- Just a minute challenge Badminton, Volleyball, Basketball, Carrom, Chess, Ludo, Rubik cube and more exciting games. With the assistance of technology this amazing event was carried out on zoom and google meet platform.

23. MOUs signed (by the university for the department):

Name of Institution	National/International	Nature of Collaboration

24. List of Donors

Sr. No.	Name of the Donor (Individual/Organsation) Address	Amount of Donation	Purpose of the Donation	Date on which received
1.				
2.				
3.				

25. Alumni Association

25.1 Do you have Department/College Alumni Association? **Yes** No

25.2 If Yes, what are activities undertaken?

Sr. No.	Programmes organized for/by Alumni	Date	Purpose	Number of Alumni present
1.	Alumni Meet	8th Nov 2020	To interact with the alumni	24

2.	Publication of Newsletter/Journal	-		
3.	Trip/Tour	-		
4.	Project (research/Extension)	-		
5.	Donation Drive	-		
6.	Any other (Pl specify)	26 th Dec,2020	Instagram Live event with Air Force Wing Commander Mrs. Shruti Chauhan	70 people present
		24 th January, 2020	Instagram Live session on 24 th January, 2020 with Ms. Nivedita Kar	40 people present

26. Total Corpus generated (if any)

27. Other activities of the Department/College

27.1 Workshops for students (Other State/regional/National level workshops will not be included here)

Sr. No.	Title of the workshop	Date	Venue	Number of students participated
5.				
6.				
7.				

27.2 NSS Activities

27.3 Any other student activities

28. Obituaries (if any)

29. Any other, you wish to add for the Annual Report of the University.

i.

- ii.
- iii.

Name of the HOD/Prin/Director

Signature with Seal and Date

Please attach Photographs of the events, if any (with separate attachments of jpg files. Pl do not insert them here in the word file)