Department of Information Technology

Data for the Annual Report 2019-20

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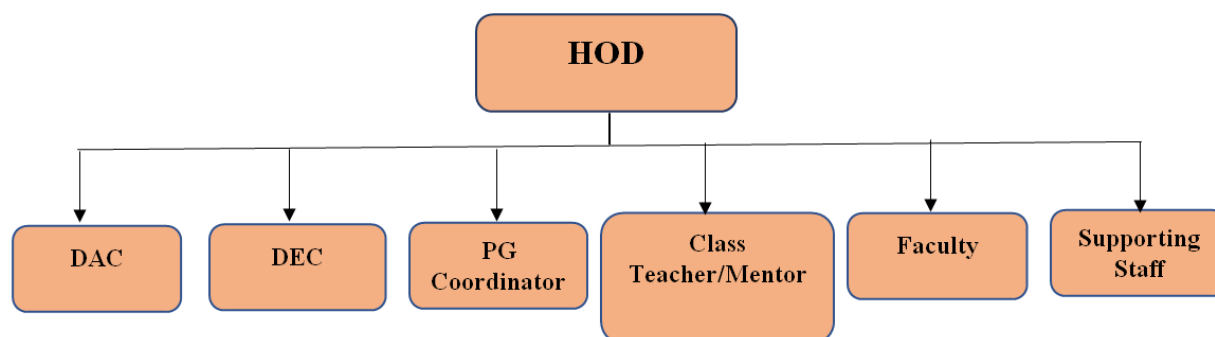3.4 Extra-Curricular Activities and other Achievements
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1 INSTITUTE, TEACHING, LEARNING & RESOURCES
1.1 Organizational Chart and Various Committees

1.2 Academic Programs and Admissions (Diversity) Details of AY 2019-20

1.3 Faculty (Regular & Contractual) Staff Strength for UG in 2019-20

Year	Professors	Associate Professors	Assistant Professors
2019-20	01	01	10

1.4 Faculty Position

S. No.	Name	Qualification	Date of Joining	Designation	Date on which Designated as Professor/ Associate Professor
1	Dinesh Balkrushna Kulkarni	Ph.D. M. Tech (CSE) M.E. (Electronics) B.E. Electronics)	20-12-1989	Professor	**Designated as Professor** 14-07-2009
2	Shefali Pratap Sonavane	Ph.D. M.E.(CSE) B.E.(CSE)	19-12-2001	Associate Professor	**Designated as Associate Professor** 13-02-2014
3	Anantkumar Janardan Umbarkar	Ph.D. M.E. (CSE) B.E. (C.E.)	30-10-2004	Asst. Professor	**Designated as Asst. Professor 01-01-2016**
4	Ravindra Ramkishan Rathod	Ph.D. M.E.(CSE) B.E.(CSE)	11-01-2004	Asst. Professor	**Designated as Asst. Professor 01-01-2016**
5	Umesh Balkrushna	M.E. (CSE) B.E. (CSE)	29-04-2009	Asst. Professor	**Designated as Asst. Professor**

					01-01-2016
	Chavan				
6	Bharati S. Shetty	M.Tech (CSE) B.E. (CSE)	09-01-2009	Asst. Professor	**Designated as Asst. Professor 01-01-2016**
7	Prashant Krishnarao Kharat	M.E (ELN) B.E.(ELN)	02-02-2009	Asst. Professor	**Designated as Asst. Professor 01-01-2016**
8	Manish Balaji Narnaware	M. Tech (CSE) B.E.(CSE)	21-04-2014	Asst. Professor	**Designated as Asst. Professor 01-01-2016**
10	Mayur G.Rathi	M. Tech (IT) B.E. (IT)	17-07-2017	Asst. Professor	--
11	Amruta M.Khot	M.Tech. (CSE) (BE (IT)	17-07-2017	Asst. Professor	--
12	Abhijeet A. Urunkar	M.E. (CE) B.E.(IT)	18-07-2017	Asst. Professor	--
13	Aditi D.Shinde	M.E. (CSE) B.E. (CSE)	29-07-2017	Asst. Professor	--
14	Tahseen A.Mulla	M. Tech (CSE) BE(IT)	21-08-2019	Asst. Professor	--

1.5 Library and Laboratory Facilities, Infrastructural Development

- **Department Library**

Total Books	Technical	Non-Technical
439	397	42

- **Laboratory**

Laboratory Information	
Programming Lab Lab In charge- Mrs. S. S. Shetty Lab Assistant- Mr. S. K. Suryawanshi	Intel® Core™ i5-4590 CPU @3.30 GHz 8.0 GB RAM 1TB HDD 64 bit Operating System, x64 based processor (18 qty)
Unix Lab Lab In charge- Dr. S.P.Sonavane Lab Assistant- Mr. S. K. Suryawanshi	Intel® Core™ i5-6500 CPU @3.20 GHz 8.0 GB RAM 1TB HDD 64 bit Operating System, x64 based processor (18 qty)
Project Lab Lab In charge- Mr. U. B. Chavan Lab Assistant- Mr. S. K. Suryawanshi	Intel® Core™ i5-7500 CPU @3.40 GHz 8.0 GB RAM 1TB HDD 64 bit Operating System, x64 based processor (18 qty)
Microprocessor Lab Lab In charge- Dr. P. K. Kharat	Intel® Core™ i5-7500 CPU @3.40 GHz 8.0 GB RAM 1TB HDD 64 bit Operating System, x64 based processor (18 qty)

Lab Assistant-Mr. V. S. Bhandare	
Multimedia Lab Lab In charge- Dr. P. K. Kharat Lab Assistant- Mr. V. S. Bhandare	Intel® Core™ i5-7500 CPU @3.40 GHz 8.0 GB RAM 1TB HDD 64 bit Operating System, x64 based processor (18 qty)
PG1 Lab In charge- Mr. M. B. Narnaware Lab Assistant- Mr. V. A. Kamble	**HP ProDesk 400 G2 (18 Qty)** PROCESSORS: Intel Core i7-4790 ProcessorCHIPSET : Intel 8 Series (H81 Express) Chipset GRAPHICS: NVIDIA GeForce® GT630 (2GB) STORAGE : 1 TB ,Media Card Reader HP USB Keyboard,HP USB Mouse
PG2 Lab In charge- Dr. R. R. Rathod Lab Assistant- Mr. V. A. Kamble	Dell Vostro 360 AIO Desktop Intel® Core™ i5-2400 @2.40 GHz 4GB RAM 500GB HDD (18 qty)
High Performance Computing Lab Lab In charge- Dr. D. B. Kulkarni Lab Assistant- Mr. V. A. Kamble	**Supercom Server**(3) Processor: AMD Petron(tm) Processor 6320 , 32 cores Ram: 16 GBHDD :2 TBSSD: 128 GB (Qty.3)
	8-port Non-blocking Unmanaged 40Gb/s InfiniBand Switch System
	HP BladeSystem c7000 Enclosure Device Bays 1-16Power Supply Bays 1-6Insight DisplayBladeSystem Onboard Administrator Interconnect Module BaysInsight Display
	2xAMD Opteron(tm) Processor 6344 (12 Cores)Ram:148 GB
	HP MSA 2040 SAN Storage: 10.2 TB
	HP Proliant DL785 G5 Processor: (4) AMD Opteron Processor 8387, Quad-Core (2.80 GHz)Cache Memory 512KB Level 2 Cache per CoreMemory 32 GB (8 x 4GB) of PC2-6400 DDR SDRAM (Standard) Multifunction Gigabit Network AdaptersStorage Controller HP Smart Array Internal Storage 8.0TB max (16 x 500GB SAS
	Dell PowerEdge R715. Processors: AMD Opteron™ 6344 Ram: 32 GB

1.6 Sports and Extra-Curricular Facilities

1.7 Facilities for Physically Challenged students

2 RESEARCH, PROFESSIONAL PRACTICE & COLLABORATIVE PERFORMANCE

2.1 Individual and Collaborative Research Publications and Citations; and Ph.D. Guided Research Publications

Publications:

Sr. No.	Title of the paper	Name of the author	Title of the journal	Year of publication	Issue Date
1	Application of Linguistic Knowledge in Factored Language Modeling for Hindi Language	A.R.Babhulgaonkar, Dr.S.P.Sonavane	Computing in Engineering and Technology, Chapter Jan 2020 DOI: 10.1007/978-981-32-9515-5_50 ISBN: 978-981-32-9514-8 ,	2019-20	10/17/2019
2	Hybrid Deep Learning Approach for Classifying Alzheimer Disease Based on Multimodal Data	A.Shikalgar, Dr.S. P.Sonavane	Computing in Engineering and Technology, Chapter Jan 2020 DOI: 10.1007/978-981-32-9515-5_49 ISBN: 978-981-32-9514-8,	2019-20	10/17/2019
3	Minority–Majority Mix mean Oversampling Technique: An Efficient Technique to Improve Classification of Imbalanced Data Sets	S.Patil, Dr.S. P.Sonavane	Computing in Engineering and Technology, Chapter Jan 2020 DOI: 10.1007/978-981-32-9515-5_48 ISBN: 978-981-32-9514-8,	2019-20	10/17/2019
4	Automatic Feature Extraction for CBIR and Image Annotation Applications	S.B. Nemade, Dr.S.P.Sonavane	Computing in Engineering and Technology, Chapter Jan 2020 DOI: 10.1007/978-981-32-9515-5_53 ISBN: 978-981-32-9514-8	2019-20	17-10-2019
5	Performance Analysis of Jaya Algorithm Using CEC'2013 Benchmark Functions	Dr.A.J.Umbarkar, Dr.A.C.Adamuthe, S.B.Darade	Soft Computing: Theories and Applications, Chapter Jan 2020 DOI: 10.1007/978-981-15-0751-9_56 ISBN: 978-981-15-0750-2	2018-19	2/11/2020

6	Improved Ant Colony Optimization in K-Means for Data Clustering	S.S.Bamane, Dr.A.J.Umbarkar, M.R.Gaikwad	ICT Analysis and Applications, Chapter Feb 2020 DOI: 10.1007/978-981-15-0630-7_52 ISBN: 978-981-15-0629-1	2019-20	18-19 July 2017
7	Smartphone and IoT Based System for Integrated Farm Monitoring	M.A.Patil, Dr.A.C. Adamuthe, Dr.A.J.Umbarkar	Techno-Societal 2018, Chapter Jan 2020 DOI: 10.1007/978-3-030-16848-3_43 ISBN: 978-3-030-16847-6,	2019-20	11/7/2019
8	Optimizing Deep Convolutional Neural Network for Facial Expression Recognition	U.B.Chavan, Dr.D. B. Kulkarni	European Journal of Engineering Research and Science, Chapter Jan 2019 DOI: 10.1007/978-981-13-1402-5_14 ISBN: 978-981-13-1401-8,	2019-20	Feb 25, 2020
9	Rising Star Evaluation using Statistical Analysis in Cricket	A.M. Khot, A.D. Shinde	Springer Lecture Notes in Networks and Systems (LNNS) Book series	2019-20	
10	QoS Evaluation of VANET Routing Protocol	B.S.Yelure, Dr.S.P.Sonavane	International Conference on Communication and Electronics Systems, Conference Paper Jul 2019 DOI: 10.1109/ ICCES45898.2019.9002115,	2019-20	17-19 July 2019
11	Image Segmentation using Convolutional Neural Network for Image Annotation	S.B.Nemade, Dr.S.P.Sonavane	International Conference on Communication and Electronics Systems	2019-20	17-19 July 2019
12	F-WSS + + : incremental wrapper subset selection algorithm for fuzzy extreme learning machine	A. Kale, Dr.S. P.Sonavane.	International Journal of Machine Learning and Cybernetics	2019-20	Article Aug 2018DOI: 10.1007/ s13042-018-0859-9ISBN:

					1868-8071, 8/6/2018
13	Pressure sensor behavioral search: Simulation research for aerospace application	V. Wagh, Dr.S. P.Sonavane., C. Kapoor.	International Journal of Recent Technology and Engineering	2019-20	
14	Smart Sensing of Medical Disorder Detection for Physically Impaired Person	S. G. Tamhankar, Dr.S. P.Sonavane, M. G. Rathi	Book Chapter, Elsevier Publication, Volume 5	2019-20	Chapter Jan 2020 DOI: 10.1016/ B978-0-12-820781-9.00010-3 ISBN: 9780128 207819, 2019/1/1
15	Performance Analysis of Parallel and Scalable GPU Based Convolutional Neural Network	U. B.Chavan, Dr. D. B. Kulkarni	Computing in Engineering and Technology	2019-20	Chapter Jan 2020 DOI: 10.1007/ 978-981-32-9515-5_45 ISBN: 978-981-32-9514-8

Citations:

S. No.	Name	Citations	h-index	i-10 index
1	Dr. Dinesh Balkrushna Kulkarni	75	5	2
2	Dr. Shefali Pratap Sonavane	79	5	3
3	Dr. Anantkumar Janardan Umbarkar	325	9	9
4	Dr. Ravindra Ramkishan Rathod	36	2	1
5	Umesh Balkrushna Chavan	26	2	1
6	Bharati S. Shetty	19	2	1
7	Dr. Prashant Krishnarao Kharat	51	5	1
8	Manish Balaji Narnaware	45	2	1
10	Mayur G.Rathi	2	1	-

11	Amruta M.Khot	-	-	-
12	Abhijeet A. Urunkar	-	-	-
13	Aditi D.Shinde	-	-	-
14	Tahseen A.Mulla	-	-	-

- **PhD Guided and awarded under the guidance:**

Name of Guide	Name and organization of Candidate	Awarded Year	Title of Thesis
Dr. D. B. Kulkarni	Medha A. Shah, Walchand College of Engineering, Sangli.	2019-20	Design and Performance Evaluation of Parallel Scalable Event Processing System.
	K. V. Manwade AshokraoMane Institute of Engineering and Technology, Vathar.	2019-20	Improving Performance of Application through Optimal Placement of Processes.
Dr. S. P. Sonavane	Archana P. Kale, Modern Education Society College of Engineering, Pune	2019-20	Implementation of Neural Network based Pattern Classification by Identifying Prominent Feature Subset
	Sachin S.Patil, RIT Rajaramnagar	2019-20	Development of Enhanced Techniques for Handling Imbalanced Big Data Streams

2.2 IPR and Patents: Granted, Filed and Licensed
   Intellectual property (IPR):

Name	Applied Year	Current Status	Title of Invention	Ref. No
Dr. A. J. Umbarkar	2016	Under Examination	A System and A Method For Faster Reorganization Of Iris Pattern On Distributed Systems	Ref. No./Application No.: 201621004648
	2017	Under Examination	A System and a Method for faster Biometric Data processing on a distributed computing system	Ref. No. Application No.: 201721011898

	2018	Published, waiting for examination	A method for vehicle monitoring system using Radio Frequency Identification (RFID) based data acquisition system	Ref. No./Application No.: 201821021439
Dr. S. P. Sonavane	2012	Published, Examination Report submitted, waiting for granting	Process for Image Authorization, Authentication and Integrity Check	Ref. No./Application No.: 1120/MUM/2012
	2016	Published, Examination Report submitted, waiting for granting	A Method and a System for Identifying Frauds in an Electronic Voting Machine	Ref. No./Application No.: 201621008275
	2020	Published, waiting for examination	System and Method for Facilitating Verification of Academic Certificates using Blockchain	Ref. No./Application No.: 202021035355

2.3 Footprint of Projects and Professional Practices (Testing and Consultancy)

Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)	Year
Network Testing	Naik Electrical Kolhapur	10000/-	2019-20
Online exam	MKCL	23000/-	2019-20
Online exam	Mahila Arthik vikas Mahamandal (ZP Sangli)	13200/-	2019-20
Online exam	MKCL	10000/-	2019-20

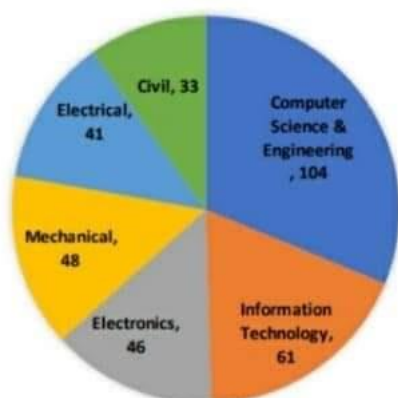**3 GRADUATION OUTCOME**
3.1 Students' Mentoring and Support

3.2 Combined Performance in Public and University

3.3 Combined Percentage for Placement, Higher Studies and Entrepreneurship
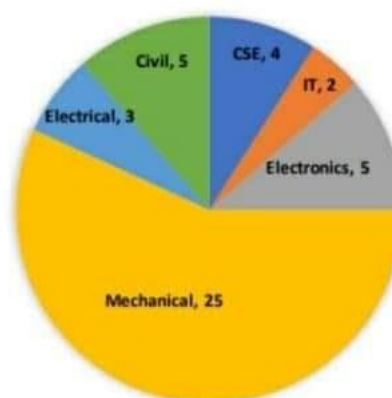
Placement Analysis

	Branch-wise Placement (B. Tech)				
Sr. No	Branch	Interested in Placement	Placed	% Placement	Average Salary (in LPA)
1	Computer Science & Engineering	110	104	94.5	8.36
2	Information Technology	63	61	96.8	7.26
3	Electronics	55	46	83.6	5.19
4	Mechanical	65	48	73.8	5.57
5	Electrical	51	41	80.4	5.63
6	Civil	48	33	68.8	4.84
	Total	392	333	84.9	6.7

BRANCH-WISE PLACEMENT B.TECH

BRANCH-WISE PLACEMENT M.TECH

	Branch-wise Placement (M. Tech)				
Sr. No	Branch	Interested in placement	Placed	% Placement	Average Salary (in LPA)
1	Computer Science & Engineering	22	4	18.2	6.28
2	Information Technology	3	2	66.7	7.00
3	Electronics	24	5	20.8	5.94
4	Mechanical	68	25	36.8	4.06
5	Electrical	24	3	12.5	8.86
6	Civil	32	4	12.5	4.12
	Total	173	43	24.9	4.6

3.4 Extra-Curricular Activities and other Achievements

Extra-Curricular Activities:

S. No.	Name of faculty member	Achievement
Achievements by Faculty members	
1	Dr. S. P. Sonavane	"50 Fabulous Edutech Leaders" by World Education Congress
2	Mr. M. B. Narnaware	DLWiKi super notes
3	Dr. R. R. Rathod	Jury SIH 2019
4	Dr. R. R. Rathod	Codechef CCDSAP Exam has successfully completed

S. No.	Name of student/s	Achievement
	Achievements by Student	
1	Nilesh Patil, Prasad Mahanur, Bhagyaraj Haranale, Ajinkya Khade, Nikhil Kadalage, Uday Deshmukh, Rushikesh Gat	3rd Prize for project showcase in RSC 2019
2	Onkar Adinath Patil	NPTEL online certification on "C Programming and Assembly Language" July-Aug 2019
		NPTEL online certification on "Demystifying Networking" July-Aug 2019
		NPTEL online certification on "Python for Data Science" Aug-Sep 2019
3	Ganesh Radhaji Sanap. Swapnil Kesur. Rohit Chougule	ACM-ICPC Gwalior-Pune Regionals, 14th-15th December 2019, Representation of College on Global Level. Inculcating the Concept of Competitive Programming in College.
4	Sanap Ganesh	Codechef CCDSAP Exam, 26th May 2019, Certification of CCDSAP Foundation has successfully completed
5	Singh Gunjan, Dube Saumitra, Sanap Ganesh	Barclays Hackathon 2019, 27th and 28th June 2019, PPO for all 3 Participants with Barclays.
6	Soham Sanjay Patil	Codechef Certified Data Structures and Algorithms Programme has successfully completed, 22nd September 2019

S. No.	Name	Brief details
	Innovative/Best practices adopted	
1	Sangli Police Guidance Programme	Test conducted for computer awareness
2	Gate awareness programme	28 Students attended the programme for Gate awareness
3	24x7 hours Lab	24x7 hours Lab available for Students
4	Green Computing	Greenery in campus, Less paper work
5	Use of Open Sources	For practical and projects
6	Student Internship	TY, B.Tech and PG students

- "Kolhapur Range Police Duty Meet – 2019" is organized "Computer Awareness Competition" for Police from different districts in association with Cyber Security Cell, Sangli.

Sr. No.	Name of student/s	Achievement
2019-20		
1	Aniket Sudke	Winner, Zonal Cricket tournament
2	Shubham Rathod	Walchand Shree Runner-up
3	Shubham Helaskar, Ravi Somani	Badminton Runner-up
4	Sumit Giri	Carom Runner-up

Faculty NPTEL Certification-

Faculty Name	Activity Title	NPTEL Certification	Conducted by
Dr. R. R. Rathod	Spatial Informatics	NPTEL Online certification	NPTEL
Dr. P. K. Kharat	Introduction to Industry 4.0 and Industrial IoT	NPTEL Online certification	NPTEL
Dr. S. P. Sonavane	Theory of Computation	NPTEL Online certification	NPTEL
Dr. A. J. Umbarkar	Introduction to Operating System	NPTEL Online certification	NPTEL
M. B. Narnaware	Deep Learning Part-1	NPTEL Online certification	NPTEL
M. B. Narnaware	Applied Natural Language Processing	NPTEL Online certification	NPTEL
A. M. Khot	Introduction to Operating System	NPTEL Online certification	NPTEL
A. A. Urunkar	Introduction to Research	NPTEL Online certification	NPTEL
Dr. A. J. Umbarkar	Patent law for engineer and scientist	NPTEL Online certification	NPTEL
Dr. A. J. Umbarkar	Patent drafting foe beginners	NPTEL Online certification	NPTEL
Dr. A. J. Umbarkar	Roadmap to patent creation	NPTEL Online certification	NPTEL
Dr. A. J. Umbarkar	Innovation by design	NPTEL Online certification	NPTEL
B. S. Shetty	Introduction to Research	NPTEL Online certification	NPTEL
Dr. R. R. Rathod	Introduction to Research	NPTEL Online certification	NPTEL
Dr. R. R. Rathod	Effective Engineering Teaching in Practice	NPTEL Online certification	NPTEL
Dr. R. R. Rathod	Roadmap to patent creation	NPTEL Online certification	NPTEL
Dr. R. R. Rathod	GIS	NPTEL Online certification	NPTEL

Faculty Coursera Certification-

Faculty Name	Activity Title	Dates	Workshop/Webinar/Quiz/FDP	Conducted by
A. M. Khot	Applied Plotting, Charting & Data Representation in Python	10th May 2020	Coursera Certification	University of Michigan
A. M. Khot	Introduction to Data Science in Python	30th Apr 2020	Coursera Certification	University of Michigan
V. A. Kamble	AWS Fundamentals: Going Cloud Native	27th Apr 2020	Coursera Certification	Amazon Web Services
A. M. Khot	Applied Machine Learning in Python	17th May 2020	Coursera Certification	University of Michigan
A. D. Shinde	Programming for Everybody (Getting Started with Python)	17th May 2020	Coursera Certification	University of Michigan
Dr. S. P. Sonavane	Machine Learning for All	27th May 2020	Coursera Certification	University of London
Dr. S. P. Sonavane	Blockchain: Foundations and Use Cases	26th May 2020	Coursera Certification	ConsenSys Academy
A. M. Khot	Programming for Everybody (Getting Started with Python)	20th May 2020	Coursera Certification	University of Michigan
A. M. Khot	Applied Text Mining in Python	2nd June 2020	Coursera Certification	University of Michigan
Dr. S. P. Sonavane	Cryptography and Information Theory	07th June 2020	Coursera Certification	University of Colorado System
A. D. Shinde	The Data Scientist's Toolbox	17th June 2020	Coursera Certification	Johns Hopkins University
M. B. Narnaware	Basic Sentiment Analysis with TensorFlow	25th Apr 2020	Coursera Certification	Coursera Project Network
U. B. Chavan	Classification Trees in Python, From Start To Finish	22nd April 2020	Coursera Certification	Rhyme
U. B. Chavan	Excel Skills for Business: Essentials	17th May 2020	Coursera Certification	Macquarie University
U. B. Chavan	Facial Expression Recognition with Keras	1st June 2020	Coursera Certification	Coursera Project Network
Dr. P. K. Kharat	Profolio and Risk Management	12th May to 6th June 2020	Coursera Certification	Coursera

Dr. S. P. Sonavane	Information Systems Auditing, Controls and Assurance	15th July 2020	Coursera Certification	Hong Kong University of Science and Technology

Merit Achievements:

1. Dr.S.P.Sonavane awarded 50 Fabulous Edutech Leaders" by World Education Congress (through Research Gate)
2. Prof. P. K. Kharat has awarded Ph.D.
3. Many PG students completed and pursing Ph.D. at reputed institutes like IIT's, NIT's.

4 OUTREACH AND INCLUSIVITY
4.1 FDPs/Guest Lecture/Conference etc. organized and Attended by Faculty and Staff

Details of Workshop/ symposia organized:

S.No.	Name of the Workshop/ symposia
2019-20	
1	Dr. P. K. Kharat conducted One week In-Plant training on "Power Plant Familiarization" in association with Adani Technical Center(ATTC) Dahanu and JEC,Jabalpur National In-Plant training 2nd to 6th March 2020
2	U B Chavan HPC workshop National Workshop 14-19 July 2019
3	IT and CSE Department faculty conducted "RSC 2019" National Symposia 19-21 December 2019
4	Mr. U. B. Chavan conducted One Day Workshop on "R" National Workshop on 9 Nov. 2019
5	Mr. A. A. Urunkar conducted One Day Workshop on "Linux" National Workshop23 August, 2019

Details of Seminars/Conferences attended:

S.No.	Name of the Teacher	Seminars/Conferences attended
2019-20		
1	Ms. A.M. Khot, Ms. A. D. Shinde	International Conference on "Advances in Distributed Computing and Machine Learning" (ICADCML-2020) Conference, organized by VIT University. Vellore, India on 30-31 January 2020.

Details of Workshop/ symposia attended:

S.No.	Name of the Teacher	Workshop/ symposia attended
2019-20		

1	Ms. A. D. Shinde, Ms. A.M. Khot	5 Days FDP on "Exploring Research Topics and Techniques of Technical Writings" Workshop on 25th December,2019 to 29th December,2019
2	Mrs. B. S. Shetty, Mr. T. A. Mulla	One Day Workshop on "R" on 9 Nov. 2019
3	Mr. U. B. Chavan , Mrs. B. S. Shetty, Mr. T. A. Mulla	One Day Workshop on "Linux" on 23 August, 2019
4	Ms. A.M. Khot, Mr. M. G. Rathi	"High Performance Computing" on 15-19 July 2019
5	Mr. T. A. Mulla	One Day Workshop on "C and CPP" on 29 February, 2020

FDPs:

Faculty Name	Activity Title	Dates	FDP	Conducted by
U. B. Chavan	R Programming	27th Apr- 2nd May 2020	FDP	PVPP, Mumbai
A. M. Khot	PHP and MySQL	8th May- 13th May 2020	FDP	VIT Nasik
V. A. Kamble	PHP and MySQL	8th May- 13th May 2020	FDP	VIT, Nasik
B. S. Shetty	PHP and MySQL	8th May- 13th May 2020	FDP	VIT, Nasik
T. A. Mulla	Swift(ios) Programming Language	12th-16th May 2020	FDP	MET, Nasik
Dr. S. P. Sonavane	Examination Reforms	22nd-25th April 2020	FDP	AICTE
A. D. Shinde	Outcome based Education Software	04th June 2020	FDP	Vmedulife Soft. Services
Dr. A. J. Umbarkar	Engineering Education & the Industry: A Post COVID-19 Perspective	1st-5th June 2020	FDP	RGIT, Mumbai
T. A. Mulla	Augmented Reality (AR)/ Virtual Reality (VR)	16th-20th June 2020	Online FDP	AICTE
Dr. D. B. Kulkarni	Cyber Security and Cyber Law	30th Jun-4th July 2020	Online FDP	LTCE, Mumbai
U. B. Chavan	Recent Trends in Data Science	01st-05th July 2020	FDP	THEEM
U. B. Chavan	Machine Learning and Application Areas	7th-10th June 2020	FDP	KITCOE, Kolhapur
Dr. P. K. Kharat	MANAGING ONLINE CLASSES and CO-CREATING MOOCS	20th April to 6th May 2020	FDP	MHRD
Dr. P. K. Kharat	RECENT ADVANCES IN AUTOMATION AND NETWORKING	18th to 20th June 2020	FDP	TEQIP-NPIU

Dr. P. K. Kharat	Moodle Learning Management System	13th to 17th May 2020	FDP	Spoken, IITB
Dr. P. K. Kharat	Arduino	28th April to 4th May 2020	FDP	Spoken, IITB
Dr. P. K. Kharat	Advances in Internet Of Things	29th May to 2nd June 2020	FDP	Fr.CRCBandra
Dr. P. K. Kharat	AICTE Examination Reforms	22nd-25th April 2020	FDP	AICTE
Dr. R. R. Rathod	Outcome based Education: A Step towards Excellence	11th-15th May 2020	FDP	AICTE Margadarshan Scheme @ GCE Karad
Miss. A. M. Khot Miss. A. D. Shinde	Exploring Research Topics & Techniques of Technical Writing	25th – 29th December,2019	FDP	SVNIT, Surat

Workshops:

Faculty Name	Activity Title	Dates	Workshop	Conducted by
Dr. S. P. Sonavane	Digital Transformation in Teaching learning Process	6th Apr- 22nd Apr 2020	Workshop (2 Week)	IIT Bombay
A. M. Khot	Digital Transformation in Teaching learning Process	6th Apr- 22nd Apr 2020	Workshop (2 Week)	Swayam IIT Bombay
A. A. Urunkar	Digital Transformation in Teaching learning Process	6th Apr- 22nd Apr 2020	Workshop (2 Week)	IIT Bombay
A. D. Shinde	Intellectual Property Rights	10th-11th Apr 2020	Workshop	IPPO, PDPU
Dr. S. P. Sonavane	Journal Citation Reports Certification	3rd June 2020	Workshop	South Asia Science Group
Dr. S. P. Sonavane	Publons Academy Practical Peer Review course	29th May 2020	Workshop	Publons Academy
Dr. D. B. Kulkarni	Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop	24th May 2020	Workshop	IIT Bombay
A. M. Khot	Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop	24th May 2020	Workshop	IIT Bombay
M. B. Narnaware	NPTEL online certification course on "Deep Learning"	Jan-Apr 2020	Workshop (12 Week)	IIT Kharagpur
U. B. Chavan	Artificial Intelligence	22nd-26th May 2020	Workshop	Tirumala
U. B. Chavan	Recent Trends and Applications of Machine Learning and Deep Learning in IT	25th- 29th May 2020	Workshop	RAIT, Mumbai

Name	Title	Date	Type	Venue
Miss. A. M. Khot	Technical Writing and Publishing	7th April 2020	Online workshop	BMSCE
U. B. Chavan	Pyton Basics, Machine Learning and Blockchain	8th - 13th June 2020	Workshop	KJSIEI, Mumbai
Miss, A. M. Khot	One day workshop on Software Testing : A Practical Approach	5th Oct 2019	Workshop	WCE, Sangli
Dr. P. K. Kharat	TEQIP NPIU Digital Transformation in Teaching Learning Process	6th Apr- 22nd Apr 2020	Workshop (2 Week)	IIT Bombay

Guest Lectures:

- Conducted guest lecture of Mr. Pratap Sanap, Solution Architect, Persistent Systems, Pune - Topic 'Application of Artificial Intelligence', on 12.10.2019 for SY and TY students.

Conference:
- Miss. Amruta Khot has presenting the paper on Facial Expression Extraction and Human Emotion Classification using Convolutional Neural Network International Conference on Recent Trends In Machine Learning, IOT, Smart Cities & Applications on 28th-29th March 2020 at Hyderabad, India

4.2 Number of Students from Reservation Categories

4.4 Interaction with outside world

Name of the Faculty	Interaction with outside world
Dr. D. B. Kulkarni	(Social) Hydroponic fodder DAB_DKTE
Dr. S. P. Sonavane	AGT Corporation
Dr. S. P. Sonavane	Technical Reviewer: •Easy Chair, TMH, Pearson Publications •Oxford Univ Press, IEEE open access, IEEE transaction on Cybernetics
Dr. S. P. Sonavane	Invitee talks at Cambridge University, UK
Dr. S. P. Sonavane	Academic Advocate: Honored by ISACA Security Group, US
Dr. S. P. Sonavane	Academic Adviser: Honored by NCSSS (National Cyber Safety and Security Standards) India
Dr. S. P. Sonavane	Academic Auditor: SPIT Mumbai
Dr. S. P. Sonavane	Expert on advisory bodies for KIT, SIT, SGI, RIT, DKTE and other nearby colleges

Dr. S. P. Sonavane	Technical Support and Examiner to Sangli Police Cyber Cell (Kolhapur-Sangli-Satara Region)
Dr. A. J. Umbarkar	FDP resource person at BATU Lonere and GCE_Karad
Dr. A. J. Umbarkar	MoU Signed with Dr.Venkat, Hoston University, USA
Dr. A. J. Umbarkar	Resource person for FDP " Parallel Algorithm and Programming" at RIT, Sakhrale
Dr. A. J. Umbarkar	Resource person for FOSS at SVERI COE Pandarpur
Dr. A. J. Umbarkar	Member of scientific committee for "Review of Air Force Academy" journal by HENRI COANDA, Air force academy, Brasov, Romania.
Dr. A. J. Umbarkar	Expert Lecture: Design and analysis of Algorithm: P, NP, NP hard, NP Complete RIT, Sakhrale, TY CSE, CSE dept
Dr. A. J. Umbarkar	Resource Person: Nature Inspired Algorithm for optimization, Two days workshop on "Optimization techniques for Engg application" at Dept of Civil Engg., AMGOI, Wathar, Dist Kolhapur
Dr. A. J. Umbarkar	Resource person: One week TEQIP-II AICTE-ISTE STTP on "Research Tools and Techniques", at Don Bosco College of Engineering, Fatroda, Goa
Dr. A. J. Umbarkar	Jury : Hackathon 2020, AICTE/MHRD
Dr. R. R. Rathod	Jury : Hackathon 2019, AICTE/MHRD
Dr. R. R. Rathod	Jury : Hackathon 2020, AICTE/MHRD
Mr. A. A. Urunkar	Jury : Hackathon 2020, AICTE/MHRD