



**Bharati Vidyapeeth's College of Engineering for Women, Dhankawadi,
Pune-411043**

IQAC/ /2019-20

Date:11/02/2019-20

**INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF
THE DEPARTMENT**

Year – 2019-2020

(Provide information for last two years from 2018-19 to 2019-20)

1. Name of the Department: Electronics and Telecommunication Engg.
2. Year of establishment: 2000
3. Courses offered: UG, PG, M. Phil., Ph.D., Integrated Masters

Year	UG	PG
2017-18	BE E&TC (120)	ME E&TC (VLSI & ES) (18)
2018-19	BE E&TC (120)	ME E&TC (VLSI & ES) (18)

4. Courses introduced during last 4 years: ME E&TC (VLSI&ES) introduced in 2013-14

5. Does the department have Academic flexibility? If yes since when?

As the department follows the curriculum designed and implemented by SPPU there is no academic flexibility but department offers some elective and audit courses for all levels such as SE, TE and BE.

6. Interdisciplinary programs offered and departments involved:

NIL

7. Courses conducted in collaboration with other universities and Institutions:

NIL

8. Details of programmes discontinued, if any, with reasons:

NIL

9. Examination System: Annual/ Semester/Choice Based Credit System/ Credit and Grading system/ any other system, specify:

Examination system is based on semester pattern for all courses. It follows CBCS pattern for SE & TE E&TC 2015 course.

10. Participation of the department in the curriculum development for courses offered by the Departments.



NIL

11. Does the department have different syllabus than the one used by university for UG and PG courses?

No.

12. Number of teaching posts sanctioned, filled and vacant.

Designation	Sanctioned	Filled	Filled under CAS
Professor	02	03	Nil
Associate Professor	04	04	Nil
Assistant Professor	12	19	Nil
Total	18	26	Nil

13. Faculty profile with name, qualification, designation, experience, nature of appointment (confirmed/ probation/temporary):

a) Appointed on Government Sanctioned Post.

Academic Year 2017-18

Name	Designation	Qualifications	Teaching/Research Experience (Yrs)	Nature of appointment
Prof. Dr. S. R. Patil	Professor & Head	PhD (EC & CSE).	28 Years 6 Months	Permanent
Prof. S. T. Khot	Professor	PhD (Pursuing)	29 Years	Academic
Prof. Dr. S. S. Chorage	Professor	PhD (Electronics Engg.)	20 Years 9 Months	Permanent
Prof. Dr. V. R. Pawar	Associate Professor	PhD (Electronics Engg.)	22 Years 5 Months	Permanent
Prof. Dr. S. M. Rajbhoj	Associate Professor	PhD (Electronics Engg.)	26 Years 11 Months	Permanent
Mrs. S. A. Itkarkar	Associate Professor	PhD (Pursuing)	25 Years 11 Months	Permanent
Ms Dr. S. L. Kore	Associate Professor	PhD (Electronics Engg.)	17 Years 11 Months	Academic
Mrs. Dr. S. A. Dhole	Assistant Professor	PhD (Electronics Engg.)	15 Years	Permanent
Mrs. S. M. Jagdale	Assistant Professor	PhD (Pursuing)	14 Years 7 Months	Permanent

Mrs. K. R. Chaudhari	Assistant Professor	PhD (Pursuing)	11 Years 11 Months	Permanent
Mrs. S. S. Salunkhe	Assistant Professor	PhD (Pursuing)	1 Year 1 Month(industry)+ 11 Years (Teaching) = 12 Years 1 Month	Permanent
Mr. S. M. Bhilegaonkar	Assistant Professor	M.E.(Micro wave Engg.)	11 Years 5 Months	Permanent
Mr. M. S. Kasar	Assistant Professor	M.E (VLSI & Embedded System)	11 Years 9 Months	Permanent
Mrs. P. R. Yawle	Assistant Professor	M.E. (Digital System)	9 Years 11 Months	Permanent
Mrs. V. S. Karambelkar	Assistant Professor	M. Tech (Electronics & VLSI)	9 Years 11 Months	Permanent
Mr. V. P. Mulik	Assistant Professor	M. Tech (Electronics & VLSI)	11 Years 4 Months	Permanent
Mrs. R. R. Jain	Assistant Professor	M. Tech (E&TC)	9 Years 11 Months	Permanent
Ms. Y. R. Dhumal	Assistant Professor	PhD (Pursuing)	9 Years 9 Months	Permanent
Mrs. R. J. Sapkal	Assistant Professor	M.E (VLSI & Embedded System)	9 Months (Industry)+ 8 Years 11 Months (Teaching) = 9 Years 8 Months	Academic
Mrs. S. V. Shelke	Assistant Professor	M. Tech (Electronics & VLSI)	9 Years 1 Month	Permanent
Mr. A. B. Vitekar	Assistant Professor	M.E (VLSI & Embedded System)	7 Years 5 Months (Industry)+ 13 Years 6 Months (Teaching) = 20 Years 11 Months	Permanent
Mrs. K. D. Mahajan	Assistant Professor	M. Tech (Electronics & VLSI)	8 Years 11 Months	Academic
Mrs. V. V. Gaikwad	Assistant Professor	M. Tech (Electronics & VLSI)	8 Years 1 Month	Permanent
Mr. R. M. Shamalik	Assistant Professor	M.E. (Microwave Engg.)	1 Year 5 Months (Industry) + 8 Years 3 Months (Teaching) = 9 Years 8 Months	Academic
Mr. A. P. Yadav	Assistant Professor	M. Tech (Electronics & VLSI)	8 Months (Industry)+7 Years 9 Months	Academic



			(Teaching) = 8 Years 6 Months	
Ms. S.M.Patil	Assistant Professor	M. Tech (Electronics & VLSI)	2 Years 11 Months	Academic

Academic Year 2018-19

Name	Designation	Qualifications	Teaching/Research Experience (Yrs)	Nature of appointment
Prof. Dr. S. R. Patil	Professor & Head	PhD (EC & CSE).	29 Years 6 Months	Permanent
Prof. S. T. Khot	Professor	PhD (Pursuing)	30 Years	Academic
Prof. Dr. S. S. Chorage	Professor	PhD (Electronics Engg.)	21 Years 9 Months	Permanent
Prof. Dr. V. R. Pawar	Associate Professor	PhD (Electronics Engg.)	23 Years 5 Months	Permanent
Prof. Dr. S. M. Rajbhoj	Associate Professor	PhD (Electronics Engg.)	27 Years 11 Months	Permanent
Mrs. S. A. Itkarkar	Associate Professor	PhD (Pursuing)	26 Years 11 Months	Permanent
Ms Dr. S. L. Kore	Associate Professor	PhD (Electronics Engg.)	18 Years 11 Months	Academic
Mrs. Dr. S. A. Dhole	Assistant Professor	PhD (Electronics Engg.)	16 Years	Permanent
Mrs. S. M. Jagdale	Assistant Professor	PhD (Pursuing)	15 Years 7 Months	Permanent
Mrs. K. R. Chaudhari	Assistant Professor	PhD (Pursuing)	12 Years 11 Months	Permanent
Mrs. S. S. Salunkhe	Assistant Professor	PhD (Pursuing)	1 Year 1 Month(industry)+ 12 Years s(Teaching) = 13 Years 1 Month	Permanent
Mr. S. M. Bhilegaonkar	Assistant Professor	M.E.(Microwave Engg.)	12 Years 5 Months	Permanent
Mr. M. S. Kasar	Assistant Professor	M.E (VLSI & Embedded System)	12 Years 9 Months	Permanent
Mrs. P. R. Yawle	Assistant Professor	M.E. (Digital System)	10 Years 11 Months	Permanent
Mrs. V. S. Karambelkar	Assistant Professor	M. Tech (Electronics & VLSI)	10 Years 11 Months	Permanent
Mr. V. P. Mulik	Assistant Professor	M. Tech (Electronics & VLSI)	12 Years 4 Months	Permanent
Mrs. R. R.	Assistant	M. Tech (E&TC)	10 Years 11 Months	Permanent

Jain	Professor			
Ms. Y. R. Dhumal	Assistant Professor	PhD (Pursuing)	10 Years 9 Months	Permanent
Mrs. R. J. Sapkal	Assistant Professor	M.E (VLSI & Embedded System)	9 Months (Industry)+ 9 Years 11 Months (Teaching) = 10 Years 8 Months	Academic
Mrs. S. V. Shelke	Assistant Professor	M. Tech (Electronics & VLSI)	10 Years 1 Month	Permanent
Mr. A. B. Vitekar	Assistant Professor	M.E (VLSI & Embedded System)	7 Years 5 Months (Industry)+ 14 Years 6 Months (Teaching) = 21 Years 11 Months	Permanent
Mrs. K. D. Mahajan	Assistant Professor	M. Tech (Electronics & VLSI)	9 Years 11 Months	Academic
Mrs. V. V. Gaikwad	Assistant Professor	M. Tech (Electronics & VLSI)	9 Years 1 Month	Permanent
Mr. R. M. Shamalik	Assistant Professor	M.E. (Microwave Engg.)	1 Year 5 Months (Industry) + 9 Years 3 Months (Teaching) = 10 Years 8 Months	Academic
Mr. A. P. Yadav	Assistant Professor	M. Tech (Electronics & VLSI)	8 Months (Industry)+ 8 Years 9 Months (Teaching) = 9 Years 6 Months	Academic
Ms. S.M.Patil	Assistant Professor	M. Tech (Electronics & VLSI)	3 Years 11 Months	Academic

b) Appointed from University Fund.

Name	Designation	Qualifications	Teaching/Research Experience	Nature of appointment.
NIL				

14. List of Visiting Fellows/Teachers, Adjunct and Emeritus Professors, (for last 4 years).

Sr. No.	Name of Visiting Fellows/Teachers, Adjunct and Emeritus Professors	Status	Subject	Academic Year
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1	Prof. Sfurti Shahare	Visiting	Leadership & Personality Development	2017-18
2	Prof. Atul Dhaigude	Visiting	Cyber Security	2017-18
3	Prof. D. N. Ghayatadak	Visiting	Engg. Mathematics III	2017-18
4	Prof. Swati Hathi	Visiting	Japanese Language	2018-19
5	Prof. Anushka Kajbaje	Visiting	Green Energy	2018-19
6	Prof. Maharudra Gitte	Visiting	Cyber Security	2018-19
7	Prof. S. K. Bhaua	Visiting	Leadership & Personality Development	2018-19
8	Prof. Jayashree Bhujbal	Visiting	Japanese Language	2018-19
9	Prof. Trupti Bidwe	Visiting	Engg. Mathematics III	2018-19

15. Percentage of classes taken by temporary/visiting faculty (programme- wise information):

Sr. No.	Academic Year	Percentage of Lectures Delivered	Percentage of Practical's handled
1	2017-18	NIL	NIL
2	2018-19	NIL	NIL

16. Programme-wise Student Teacher Ratio: (Average of 2 Years)

Year	No of Students enrolled	No of Full Time Teacher	Teacher Students Ratio
2017-18	471	25	1:19
2018-19	380	25	1:15

Average of 2 Years: 1:17

17. Number of academic support staff (technical) and administrative staff sanctioned, filled and vacant:



Sr. No.	Posts	Sanctioned posts	Filled	Actual
1	Laboratory Assistant	--	03	03
2	Clerk (office)	--	01	01
3	Laboratory Attendant	--	00	00
4	Peon	--	02	02
5	Other	--	01	01

18. Thrust areas of research as identified by the department:

- Wireless Sensor Networks
- Embedded Systems
- Artificial Intelligence and Machine Learning
- Optical Communication and advanced optical networks
- Microwave engineering and antennas
- VLSI
- Pattern Recognition
- Digital Image Processing and Computer Vision
- Power Electronics

19. Information about research grants, projects completed and ongoing during the period of last 4 years

a) From National funding agencies (like UGC, CSIR, DST, DBT etc):

Sr. No.	Name of the Principle Investigator (CO-investigator)	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in Lakh)	Remarks if any
					NIL

b) From International funding agencies:

Sr. No.	Name of the Principle Investigator (CO-investigator)	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in Lacs)	Remarks if any
					NIL

20. Funds received at Departmental level through DST-FIST; CSIR, UGC-SAP/CAS, DAE, DBT, BRNS, ICSSR, AICTE, etc

Scheme and Funding Agency	Non- Recurring	Recurring	Project Fellow	Total
NIL				

21. Research facilities available in the department and recognition received, if any?

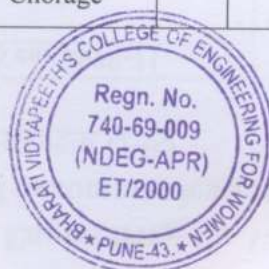
Department has following facilities for carrying out research at UG and PG level

- Vector Network Analyzer (500KHz to 4 GHz)
- PCB lab
- PIC controller Kits
- LabView Software
- VLSI SPARTAN-6 Kits
- Virtex-2
- Mentor Graphics Backend Tool
- NI Myrio Kit
- DSP Processor TMS 320/420 6713 Kits
- Matlab software
- Microwave Test Benches
- Xilinx software
- OTDR
- Hydraulic and Pneumatic Systems

22. Special research laboratories sponsored by / created by industry or corporate bodies.
NIL

23. Publications: Academic Year 2017-18

Sr. No.	papers published in Peer Reviewed Journals	Name of the Faculty	Citations	h-Index	Impact factor range/Average Impact Factor
1	A Braille Dicta Teacher	Prof. Dr. S.R. Patil			6.3
2	Multiparameter Diagnosis Image Creation in NSCT Domain using Image Fusion	Prof. Dr. S.R. Patil			6.171
3	Low cost system for malaria detection using mobile phone	Prof. S. T. Khot			5.135
4	Ear Biometric Detection For Identification Of Any Person	Prof.S. T. Khot			6.3
5	Identification of person using ear biometric detection	Prof.S. T. Khot			2.094
6	A Novel Method of Automated Malaria Parasite Detection Using Android Mobile Phone	Prof. S. T. Khot			2.094
7	Automatic Wheeze Detection in Lungs Sound	Prof.Dr. S. S. Chorage			0



8	Four Level Door security System	Prof. Dr. S. S. Chorage			6.887
9	Analysis and Automatic Detection of Wheeze in Lung Sounds	Prof. Dr. S. S. Chorage			5.87
10	Fingerprint Based Attendance Monitoring System Using Android Application.	Prof. Dr. S. S. Chorage			2.76
11	Smart Blind Stick	Prof. Dr. V. R. Pawar			6.3
12	A Smartphone using raspberry pi	Prof. S. A. Itkarkar			6.614
13	Wireless Smartphone Charging Using Solar Cell	Prof. S. A. Itkarkar			0
14	Automatic Lane Clearance System For Emergency Vehicles	Prof. Dr. S. L. Kore			7.194
15	Determining Thyroid Nodules Using Texture Analysis	Prof. Dr. S. A. Dhole			5.646
16	image Processing Technique for Determining Cold Thyroid Nodules.	Prof. Dr. S. A. Dhole			0
17	FPGA Implementation of DSSS Transmitter using Pseudo Chaotic Sequence	Prof. S. M. Jagdale			6.887
18	Real Time Vehicle Speed Monitoring and Controlling System	Prof. S.M. Jagdale			6.887
19	Automatic Language and Text Independent Speech Emotion Recognition using MFCC and DWT for ATM Security System	Prof.S.M. Jagdale			7.19
20	ATM security based on iris recognition	Prof.S. S. Salunkhe			6.17
21	Smart Document Accessing System using raspberry pi	Prof. S. S. Salunkhe			5.64
22	MICROSTRIP LOG PERIODIC ANTENNA ARRAY	Prof. S.M. Bhilegaonkar			0
23	Cashew Grading Using Image Processing	Prof.V.P. mulik			0
24	Detection of Defects in Industrial Pipes	Prof.V.P.Mulik			0

25	Solar Based Multi-Tasking Agriculture Robot	Prof. M. S. Kasar			4.916
26	Smart Electric Energy Meter based on IoT	Prof.P.R.Yawle			6.887
27	Design and Implementation of Air Mouse	Prof.P.R.Yawle			0
28	Wireless E-Notice Board	Prof.V.S.Karambelkar			0
29	Survey on an IoT based Environment Monitoring System for Smart Industry	Prof.V.S.Karambelkar			7.194
30	smart car security system	Prof. S.V. Shelke			6.3
31	Physiological Parameters Monitoring system Using Raspberry Pi	Prof.R.J.Sapkal			4.916
32	IoT based remote controlled intelligent polyhouse For celery crop	Prof. A.B. Vitekar			2.094
33	Smart bus alert system for easy navigation for blind people using android application	Prof.K.D.Mahajan			7.383
34	Smart Infant Care system	Prof. V.V.Gaikwad			0
35	Implementing Smart Helmet	Prof.A.P.Yadav			0
36	smart helmet for biker's safety	Prof.A.P.Yadav			0

Academic Year 2018-19

Sr.No.	papers published in Peer Reviewed Journals	Name of the Faculty	Citations	h-Index	Impact factor range/Average Impact Factor
1	To Design 2-bit Magnitude Comparator using CMOS	Prof.Dr.S.R.Patil			5.87
2	Sensorized system for Assistance during childbirth	Prof.Dr.Chorage S.S.			5.87
3	Data encryption and decryption using RF	Prof.Dr.Chorage S.S.			7.2



	module				
4	Design of low power pierce crystal oscillator using CMOS Technology	Prof.Dr.V.R.Pawar			3
5	Design of oscillator using CMOS Technology	Prof.Dr.V.R.Pawar			5.87
6	Energy Efficient Industrial Application Using IOT	Prof.Dr. S.M.Rajbhoj			3
7	Energy Efficient Industrial Automation System: A Survey	Prof.Dr. S.M.Rajbhoj			5.87
8	Early Detection of Glaucoma Using Perimetry	Prof.S.M.Jagdale			3
9	Perimetry:-A technique to measure visual field of eye	Prof.S.M.Jagdale			5.87
10	Wearable Autonomous Device providing Personal Assistance to Alzheimer Patients	Prof.S.S.Salunkhe			5.87
11	Video coding for surveillance	Prof. R . M.Shamlik			5.87
12	IOT Based Vehicular Emergency System: A Survey	Prof. V. V. Gaiikwad			5.1
13	IOT Based Vehicular Emergency System	Prof.V.V.Gaikwad			5.87
14	A Review-Water Quality Monitoring System	Prof.R.J.Sapkal			5.3
15	IOT based water monitoring System	Prof.R.J.Sapkal			7.2
16	Smart Attendance System	Prof. S. T. Khot			5.87

24. Details of patents filed & granted and income generated:

1. Dr. S. S. Chorage has filed patent on "Microwave Sensor for Blood Glucose Monitoring" No. 201921014247

25. Consultancy services provided, name of the teacher/s and income generated:

Sr. No.	Year	Name of the teacher	Nature of consultancy	Funds generated (In Lakh)
NIL				

26. Details of teachers invited as resource persons for Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.

Sr. No	Name of the Staff	Event Details	Organized By	Date
1	Prof. Dr. S. R. Patil	Judge in e-PG Project Exhibition	AISSMSCOE/MESCOE , Pune	8/06/17 9/6/17
		Session Chair for International Conference	SPCN	2017
		Session Chair for International Conference	ICUBA	2017
2	Prof. Dr. S. S. Chorage	Judge in e-PG Project Exhibition	AISSMSCOE/MESCOE , Pune	8/06/17 9/6/17
		Expert lecture on "Microwave Semiconductor Solid State Devices"	Army Institute of Technology, Pune	11/9/17
		Expert for E&TC faculty Interview	G. H. Raisoni COE, Pune	25/09/17
		Expert lecture "Information Theory, Coding and communication networks" in Faculty Orientation Workshop on TE (E&TC/ELEX) Revised Syllabus 2015 Course under the aegis of BoS Electronics, University of Pune	Army Institute of Technology, Pune	14/12/17
3	Prof. Dr. V. R. Pawar	Guest Lecture on Digital Signal Processing for TE	G. H. Raisoni COE, Ahmednagar, Pune	1/8/17
		Guest Lecture on Digital Signal Processing for TE	PCCOE, Ravet, Pune	23/9/17

Sr. No	Name of the Staff	Event Details	Organized By	Date
	Prof. Dr. S. S. Chorage	Invitation as Subject expert for Ph-D Progress	AISSMS IOIT, Pune	08/08/2018



		monitoring committee		
		Examiner for practical/oral examination for M.Tech Project Stage- III	MIT WORLD PEACE UNIVERSITY,Pune	10/08/2018
		Ph-D presentation for the domain Signal/Image Processing	AISSMS IOIT,Pune	13/03/2019
		Ph-D thesis evaluation	PACIFIC University,Udaipur,Rajasthan ,India	06/07/2019
1	Prof.S. A. Itkarkar	Invitation as guest lecturer on Broadband Communication System for B.E.(E&TC)	ZEAL College of Engineering, Pune	26/03/2019

27. Details of teachers participated in Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.(participant, presented paper, chaired the session)

Year	Number of Teachers who attended	Title of the Professional development Program	Dates and Duration(from-to)
2017-18	2	Faculty Orientation Workshop on "Mechatronics"	23/06/17 - 24/06/17
	11	FDP on ICT 101x and 201x	02/08/17 - 13/10/17
	1	NSS program officer annual meeting	24/08/17
	1	Master Trainer Workshop on life Skill Education	14/09/17 - 15/09/17
	1	Workshop on Digital Signal Processing	7/12/2017
	1	Faculty Orientation Workshop on "Information Theory Coding Techniques	14/12/17 - 16/12/17
	1	Faculty Orientation Workshop on "Advanced Processor"	14/12/17 - 16/12/17
	1	Faculty Orientation Workshop on "System	14/12/17 -

		Programming and Operating System"	16/12/17
	1	Participated in Avishkar 2017	19/12/2017
	1	State level workshop on "Electric Vehicles:	11/01/18 – 12/01/18
	1	Two days workshop on "Antennas for modern Wireless Communication"	01/02/18 – 02/02/18
	1	One day workshop on Central Written Exam	9/3/2018
	1	FDP on machine Learning Techniques using MATLAB	14/05/2018 to 18/05/2018
	23	Workshop on Introduction to Life Skills Education in Association with Association of Adolescent and Child Care in India in collabration with Bharati Vidyapeeth's College of Engineering for Women ,Pune	12/06/2018 to 13/06/2018
	1	Vidyapeethstariya vishesh shramasanskar ani vansampada va paryavaran sanvardhan shibir	04/06/2018- 12/06/2018
	1	Recent trends in MEMS, POWER SOURCES AND ELECTRONIC PACKAGING	25/06/2018- 30/06/2018
2018- 19	2	FDP on BE revised syllabus 2015 course on VLSIDT	10/7/2018
	1	FDP on BE revised syllabus 2015 course on RMT	11/7/2018
	2	FDP on BE revised syllabus 2015 course on DIVP	13/07/2018
	1	FDP on BE revised syllabus 2015 course on EPD	13/07/2018
	2	Varshik Niyojan Karyashala	30/08/2018
	1	FDP on BE revised syllabus 2015 course on BCS	13/12/2019
	1	FDP on BE revised Syllabus 2015 course on Mobile Communication	13/12/2018 to 14/12/2018



	2	FDP on BE revised syllabus 2015 course on Machine Learning	21/12/2019
	5	Two days national Level workshop on Machine Learning	29/01/2019 to 30/01/2019
	1	Workshop on LaTeX	13/02/2019 to 14/02/2019
	2	FDP on Electronic Design Automation with mentor graphics back end tool	21/02/2019-23/02/2019 ool
	2	Executive Leadership Program by ART of Living	16/03/2019 to 18/03/2019
	1	Training Programme on Academic Leadership(PMMMNMTH MHRD, Govt. India)	10/04/2019 to 13/04/2019
	2	Short term training Program through ICT mode on NBA Accreditation during	22/04/2019 to 26/04/2019

28. Participation of teachers in various academic activities as members of committees at University level, State level, National level, International level bodies. (give details)

Year	Name of the Staff	Name of the body in which full time teacher participated	Total Number of teacher
2017-18			
NIL			
2018-19			
1	Prof. Dr. S. S. Chorage	Electronics & telecommunication branch closure at Shree Mahavir Sducation Society's Sanghavi college of Engineering ,Nashik on 11/12/2018	4

29. Details of teachers appointed/nominated on Editorial Boards at university, state, national and international levels.

NIL

30. Awards / Prizes and recognitions received by teachers at university, state, national and international level:

Sr. No.	Name of faculty	Achievement/Award/Recognitions	Awarding Agency	Year
2017-18				
1	Prof. S. T. Khot	Received certificate of excellence in recognition of successful completion of FDP conducted by IIT ,Bombay(amongst the top 241 performers from total 5308 performer)	IIT ,Bombay	2017-18
2	Prof. S. A. Itkarkar	Received certificate of excellence in recognition of successful completion of FDP conducted by IIT ,Bombay(amongst the top 241 performers from total 5308 performer)	IIT ,Bombay	2017-18
3	Prof.S.A.Itkarkar	Selected successively for 5 th time as Area Coordinator ,Sinhgad Parisar under SPPU NSS activity	SPPU ,Pune	2017-18
4	Prof.S.M.Bhilegoankar	Successfully completed "Antennas" Course with consolidated score of 44%	NPTEL Online Certification, IIT ,Bombay	Jan 2018- Apr 2018
5	Prof.V.S.Karambelkar	Received certificate of excellence in recognition of successful completion of FDP conducted by IIT ,Bombay (amongst the top 241 performers from total 5308 performer)	IIT ,Bombay	2017-18



6	Prof.R.R.Jain	Received certificate of excellence in recognition of successful completion of FDP conducted by IIT ,Bombay (amongst the top 241 performers from total 5308 performer)	IIT ,Bombay	2017-18
7	Prof.R.J.Sapkal	Received certificate of excellence in recognition of successful completion of FDP conducted by IIT ,Bombay (amongst the top 241 performers from total 5308 performer)	IIT ,Bombay	2017-18
8	Prof.V.V.Gaikwad	Received certificate of excellence in recognition of successful completion of FDP conducted by IIT ,Bombay(amongst the top 241 performers from total 5308 performer)	IIT ,Bombay	2017-18
2018-19				
1	Prof.S.T.Khot	NPTEL online course under faculty development program on subject "Analog Circuits" With consolidated score of 72% and Elite meddle	NPTEL-AICTE Funded by the Ministry of HRD, Govt. of India	Jan –Mar 2019
2	Prof.S.T.Khot	NPTEL online course under faculty development program on subject "Teaching and Learning Engineering (TALE)" With consolidated score of 71% and Elite meddle	NPTEL-AICTEFunded by the Ministry of HRD, Govt. of India	Feb–Mar 2019
3	Prof.Dr.S.S.Chorage	Best Teacher Award 2018 in recognition of her valuable contribution to academic community and students from Institute for Exploring Advances in Engg, IEAE at ISO 9001-2015	IEAE Advance Engineering	2018

		certified Institute		
4	Prof.Dr.S.S.Chorage	NPTEL online course under faculty development program on subject "Modern Digital Communication Techniques" With consolidated score of 73% and Elite meddle	NPTEL-AICTEFunded by the Ministry of HRD, Govt. of India	2018
5	Prof.Dr.V.R.Pawar	Appreciation certificate as nine years college coordinator for Academic & Research Scheme under BCUD, SPPU, Pune	SPPU Board of College & University Development, Pune	2018
6	Prof.Dr.S.M.Rajbhoj	NPTEL online course under faculty development program on subject "Machine Learning-ML" With consolidated score of 74% and Elite meddle	NPTEL-AICTEFunded by the Ministry of HRD, Govt. of India	Feb-Apr 2019
7	Prof. S.A.Itkarkar	"Vidyapeethstariy Vishesh Sramsanskar ani vansampda va Paryavaran Sanvardhan Shibir" Niyojan Samiti Sadasya	SPPU, Pune	04/06/2018-12/06/2018
8	Prof. S.A.Itkarkar	"Hum Fit to India Fit" Niyojan Samiti Sadasya Pramanpatra	SPPU, Pune	03/08/2018
9	Prof.Dr.S.L.Kore	NPTEL online course under faculty development program on subject "Roadmap for Patent Creation" With consolidated score of 77% and Elite+Silver meddle	NPTEL-AICTEFunded by the Ministry of HRD, Govt. of India	Jan-Mar 2019
10	Prof.Dr.S.A.Dhole	NPTEL online course under faculty development program on subject "Introduction to Research" With consolidated score of 75% and Elite+Silver	NPTEL-AICTEFunded by the Ministry of HRD, Govt. of India	Feb-Apr 2019
11	Prof.S.M.Jagdale	NPTEL online course under faculty development program on subject "Introduction to Research" With consolidated score of 80% and Elite+Silver meddle	NPTEL-AICTEFunded by the Ministry of HRD, Govt. of India	Feb-Apr 2019
12	Prof.S.S.Salunkhe	NPTEL online course under faculty development program on subject "Analog Circuits" With consolidated score of 69% and	NPTEL-AICTEFunded by the Ministry of	Jan-Mar 2019



		Elite meddle	HRD, Govt. of India	
13	Prof.S.M. Bhilegoankar	NPTEL online course under faculty development program on subject "Introduction to Research" With consolidated score of 72% and Elite meddle	NPTEL-AICTEFunded by the Ministry of HRD, Govt. of India	Feb –Apr 2019
14	Prof.P.R.Yawle	NPTEL online course under faculty development program on subject "Digital Electronics Circuits" With consolidated score of 54%	NPTEL-AICTEFunded by the Ministry of HRD, Govt. of India	Jan –Apr 2019
15	Prof.V.S. Karmbelkar	NPTEL online course under faculty development program on subject "Introduction to Research" With consolidated score of 87% and Elite+Silver meddle	NPTEL-AICTEFunded by the Ministry of HRD, Govt. of India	Feb –Apr 2019
16	Prof.R.R.Jain	NPTEL online course under faculty development program on subject "Introduction to Research" With consolidated score of 83% and Elite+Silver meddle	NPTEL-AICTEFunded by the Ministry of HRD, Govt. of India	Feb –Apr 2019
17	Prof.R.J.Sapkal	NPTEL online course under faculty development program on subject "Introduction to Research" With consolidated score of 85% and Elite+Silver meddle	NPTEL-AICTEFunded by the Ministry of HRD, Govt. of India	Feb –Apr 2019
18	Prof.S.V. Shelke	NPTEL online course under faculty development program on subject "Introduction to Research" With consolidated score of 85%	NPTEL-AICTEFunded by the Ministry of HRD, Govt. of India	
19	Pro.K.D.Mahajan	NPTEL online course under faculty development program on subject "Digital Electronics Circuits" With consolidated score of 54%	NPTEL-AICTEFunded by the Ministry of HRD, Govt. of India	Jan –Apr 2019

20	Prof.V.V.Gaikwad	NPTEL online course under faculty development program on subject "Teaching and Learning Engineering (TALE)" With consolidated score of 75% and Elite+Silver meddle	NPTEL-AICTEFunded by the Ministry of HRD, Govt. of India	Feb-Mar 2019
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31. Awards and Prizes received by students at university, state, national and international level:

Sr. No.	Name of The Student	Event	Venue	Class	Prize	Year
1	Snehal Phalke	Project Competition	MMCOE,Pune	B.E.	SECOND	2018-19
2	Rutuja Patil	Project Competition	MMCOE,Pune	B.E.	SECOND	
3	Ashwini Patil	Project Competition	MMCOE,Pune	B.E.	SECOND	
4	Nikita Nimbalkar	Project Competition	MAE, Alandi	B.E.	FIRST	2017-18
5	Nisha Shedge	Project Competition	MAE, Alandi	B.E.	FIRST	
6	Sapna More	Project Competition	MAE, Alandi	B.E.	FIRST	
7	Surbhi Surve	Project Competition	D Y Patil Pune	B.E.	SECOND	
8	Jyoti Yadav	Project Competition	D Y Patil Pune	B.E.	SECOND	
9	Sayali Surwase	Project Competition	D Y Patil Pune	B.E.	SECOND	
10	Sapna More	Poster Presentation	CCOEW, Pune	B.E.	FIRST	
11	Nikita Nimbalkar	Poster Presentation	CCOEW, Pune	B.E.	FIRST	
12	Vidya Prakhar	Poster Presentation	BVCOEW, Pune	B.E.	SECOND	
13	Sunita Thorave	Poster Presentation	BVCOEW, Pune	B.E.	SECOND	



14	Simran Thakur	Poster Presentation	BVCOEW, Pune	B.E.	SECOND
15	Nikita Nimbalkar	Poster Presentation	BVCOEW, Pune	B.E.	FIRST
16	Sapna More	Poster Presentation	BVCOEW, Pune	B.E.	FIRST
17	Nisha Shedage	Poster Presentation	BVCOEW, Pune	B.E.	FIRST
18	Divyani Tale	Solo Duet	COE, Pune	B.E.	FIRST

32. Details of Seminars/ Conferences/Workshops organized at university, state, national and international level and the source of funding with details:

Name of Conference/ Seminars / Workshops	Funding agency	No. of Participants	University/State/National/ International	Dates
2017-18				
Workshop on "Introduction to Life Skills Education" in Association with Association of Adolescent and Child Care in India in collaboration with Bharati Vidyapeeth's College of Engineering for Women ,Pune	Institute	23	University	12/06/2018 to 13/06/2018
2018-19				
FDP on Electronic Design Automation with mentor graphics back end tool	NIL	2	State	21/02/2019-23/02/2019 ool

33. Student profile programme-wise at UG and PG

UG/PG	Applications Received	No. of students Admitted	Seats Available	Male	Female	Total	Year

UG	95	95	120	NA	95	95	2017-18
PG	04	04	18	NA	04	04	2017-18
UG	76	76	120	NA	76	76	2018-19
PG	04	04	18	NA	04	04	2018-19

34. Year-wise results of students at UG and PG:

UG/PG	Year	Appeared	Passed	Pass %	Grade %			
					O	A	B	C
UG	2017-18	113	105	92.92	76	27	2	0
	2018-19	109	102	93.57	69	28	5	0
PG	2017-18	4	4	100	4	0	0	0
	2018-19	Results Awaited						

35. Information about M. Phil. programme:

Year	Applications Received	No. of students admitted	Male	Female	Total
NIL					

36. Information about Ph. D. programme :

Year	Applications Received	No. of students admitted	Male	Female	Total
NIL					

37. Number of students awarded M.Phil., Ph.D ,Degree :

Year	M.Phil	Ph.D.	Male	Female	Total
NIL					

38. Diversity of Students : (Year-wise)

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
UG (2017-18)	42.1	47.4	10.5	NIL



PG (2017-18)	75	25	NIL	NIL
UG (2018-19)	54	41	5	NIL
PG (2018-19)	50	50	0	NIL

39. Number of students cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give Category wise data.

Year	MPSC/UPSC	NET/ SET	GATE	Other Exams	Total
2017-18	NIL				
2018-19	NIL				

40. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Year	% proceeded for higher studies		% of students placed
	UG to PG	PG to Ph.D./ M.Phil	
2017-18	9.7	NIL	9.7
2018-19	3.7	NIL	20

41. Diversity of Faculty:

Teaching faculty	%
from the same university	27
from other universities within the State	73
from other States	NIL
from outside the country	NIL

42. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. / D.Lit.: NIL

43. Present details of departmental infrastructural & other facilities with regard to
a) Central Library Books and Journals, etc, relevant to Department :

Total No. of Books UG:	8284	8886
Total No. of Books PG:	602	
Social Welfare Books:		220
Journals:		19

Periodic:	2
E-Journals:	218

b) Departmental Library (books, journals etc.) : Yes

No. of Books:	425
No. of Journals:	NIL

- c) Computers and Internet facilities for staff : 10, Wi-Fi and internet facility for all
- d) Total number of class rooms : UG: 04, PG: 02
- e) Class rooms with ICT facility : 06
- f) Students' laboratory : 10
- g) Research laboratories : 01
- h) Seminar Hall : 01 common for all dept.
- i) Smart class room : NIL
- j) Any other facility LCDs, : 07 LCDs

44. List of post-doctoral students and Research Associates

a) Post-doctoral. Students- NIL

Sr. No.	Name of the Faculty	Post-doctoral Students	Research Topic
1			

b) Research Associates: NIL

Sr. No.	Name of the Faculty	Research Associates	Research Topic
1			

45. Number of post graduate students getting financial assistance from the university/state / central government :

Academic Year	No. Of student	Details
2017-18	01	Stipend (12800/-) for qualified GATE
2018-19	01	Stipend (12800/-) for qualified GATE

46. Curricular Aspects:

a) Does the faculty take initiative in curriculum development process?

No.

b) Is curriculum suitable to make students globally competitive in the



Subject? If yes, substantiate.

- Yes The Student are opting for Higher Education in other Universities

Sr. No	Year	No. of students	Institution Name	Program Name
1	2017-18	01	University of Toronto at Canada	MS
2	2018-19	NIL		

- c) Does the department offer program with sufficient no. of electives options. Yes.
- d) While framing curriculum, is feed-back taken from stakeholder's viz. Students/Alumni/Parents/Employers considered?
Yes. Institute has central feedback committee which takes regular course feedback at the end of each semester.
- e) What is the frequency of curriculum revision? (3/4/5 years or more)
5 years
- f) Does the curriculum have emerging thrust areas, including interdisciplinary Areas? (If yes, elaborate).

Yes.

- Wireless Sensor Networks
- Embedded Systems
- Artificial Intelligence and Machine Learning
- Optical Communication and advanced optical networks
- Microwave engineering and antennas
- VLSI
- Pattern Recognition
- Digital Image Processing and Computer Vision
- Power Electronics

47. Teaching-Learning, Evaluation.

- 1) Number of teachers preparing & following Academic Teaching plan :26
- 2) How many teachers use the following teaching methods?
 - a) Interactive lecture method using blackboard, Group discussions, Problem solving, Seminars. 26
 - b) Use ICT methods to support lectures. : 26
- 3) Does the Department have Peer review processes? If yes, are the suggestions Effectively used to improve the teaching quality?
 - Yes, the department has effective student feedback system for course feedback and teacher feedback at the end of every semester. The analysis of this feedback is used to improve teaching quality.
 - Yes. A course mentor is assigned for each course. The mentor conducts meeting to guide and take review of the peer before, during and at the end of every semester for

the conduction of the course. The suggestions given by the mentor are implemented by the mentee to improve the teaching quality.

4) Does the department have any mechanism to ensure that entire syllabus is completed?

Yes.

Continuous academic monitoring, student counselling meetings and regular mentor mentee meetings help in ensuring syllabus completion.

5) Do you offer Bridge/Remedial courses? If yes, Give details.

Yes.

Sr. No.	Dates	Resource person	Details of bridge course/ Remedial course	Level
1	05/09/2018 to 07/09/2018	Mr. C. P. Mahajan Dolphin Labs, Pune	Workshop on PCB Design	SE
2			Remedial course	

6) What is the method for conducting internal evaluation?

Following are the methods for conducting internal evaluation by faculty members:

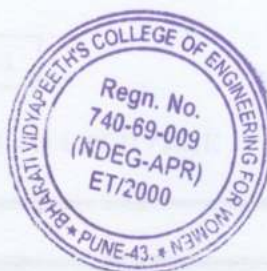
- Unit Test 1 on unit 1 & 2
- Assignment oral for unit 3
- Unit Test 2 on unit 4 & 5
- Assignment oral for unit 6
- Mock Practical/ Oral examination

48. Teacher Performance:

1) Whether the performance of the teacher assessed by the students? If yes, are the feedback reports analysed and suggestions communicated to teachers?

Yes. The feedback reports are analysed and suggestions are communicated to the respective teacher for further improvement.

2) Number of teachers



Sr. No	Academic year	Semester	Excellent	Good	Satisfactory	Average
1	2017-18	SEM-I	18	3		4
		SEM-II	21	2		2
2	2018-19	SEM-I	25		-	-
		SEM-II	22	2	-	1

3) Whether suggestion boxes are kept in the department to get suggestions from Students on infrastructural facilities available in the department?

Yes.

4) Are the suggestions received from students used for improvement of Facilities?

Yes. The suggestions are communicated through student counselling meeting.

5) Do teachers submit Self-Appraisal Reports? Are these reports appraised by HOD and forwarded to the university with comments?

Yes.

6) What is the Departmental average API ____? How many teachers have?

API > Average API

No

7) What is the individual faculty wise h index?

Sr. No.	Name of the Faculty	h-Index (22 Feb 2020)
1	Prof.Dr. S.R.Patil	1
2	Prof. S.T.Khot	2
3	Prof.Dr.S.S.Chorage	2
4	Prof.V.R.Pawar	5
5	Prof.S.M.Rajbhoj	2
6	Prof.S.A.Itkarkar	0
7	Prof.Dr.S.L.Kore	3
8	Prof.Dr.S.A.Dhole	4

9	Prof.S.M.Jagdale	4
10	Prof.K.R.Choudhari	0
11	Prof.S.S.Salunkhe	1
12	Prof.S.M.Bhilegaonkar	1
13	Prof.M.S.Kasar	1
14	Prof.P.R.Yawale	0
15	Prof.V.S.Karambelkar	1
16	Prof.V.P.Mulik	1
17	Prof.R.R.Jain	0
18	Prof.Y.R.Dhumal	2
19	Prof.R.J.Sapkal	2
20	Prof.S.V.Shelke	0
21	Prof.A.B.Vitekar	2
22	Prof.K.D.Mahajan	3
23	Pro.V.V.Gaikwad	1
24	Prof.R.M.Shamlik	1
25	Prof.A.P.Yadav	1
26	Prof.S.M.Patil	0

8) Give details of "beyond syllabus scholarly activities" of the department.

Academic Year 2018-19

Sr. No.	Date	Type Of Event	Name and Address of Resource Person	Name of the Activity	Organized For
1	06/07/2018	Seminar	Mr. Maneesh Kumar Singh ATS InfoTech	Seminar on IoT	SE TE



2	10/07/2018	Seminar	Mr. Pratik Gade Educating Nations	Seminar on Skill Guidance	SE TE
3	17/07/2018	Seminar	India first Robotics team	Seminar on Recent Technology	SE
4	05/09/2018 to 07/09/2018	Workshop	Mr. C. P. Mahajan Dolphin Labs, Pune	Workshop on PCB Design	SE
5	05/01/2019	Seminar	Mr. Pratap Sanap	Seminar on Current Technology trends in AI and ML	TE
6	23/02/2019	Seminar	Mr. Dinesh Joshi Infinity X	Seminar on Current trends in Industrial IoT	TE
7	23/03/2019	Seminar	Mrs. Mugdha kale ISNT, Pune	Seminar on "Introducing New Avenues- NDT"	BE

Academic Year 2017-18

Sr. No.	Date	Type Of Event	Name and Address of Resource Person	Name of the Activity	Organized For
1	07/07/2017	Seminar	Mr. Sanjeev Manocha Mobile communication technologies pvt.ltd	Seminar on Wireless Communication	TE
2	21/07/2017	Seminar	Mr. Vikas Choudhary Hackers Era	Seminar on Latest trend in cyber security	TE
3	18/09/2017	Seminar	Ms.Neha GigIndia	Seminar on Projects, Industrial Training	BE
4	19/09/2017	Seminar	Ms. Neha Gig India	Seminar on Projects, Industrial Training	SE
5	18/01/18	Seminar	Mr. Sandeep Jethanni Microsoft Infotech ATS	IOT Demo	TE
6	19/01/18	Seminar	Mr. Rajendra Joshi ADROIT IAutoTech	Seminar on Industrial Automation	TE
7	21/01/18	Seminar	Mr.Tulshiram Mudholkar, Synechron Tech.Pune.	Seminar On "Pathway To Career In IT"	BE
8	17/03/18	Seminar	Mr. Himanshu Khanke Ropes Tech Pvt. Ltd.	Seminar on PCB Design	TE



49. List the distinguished alumni of the department (maximum 10)

Sr. No.	Name Of the Alumni	Company Name	Current Position	Branch
1	Priyanka Padhye	Vodafone Shared Services Ltd.	<ul style="list-style-type: none"> Senior Manager Awarded for clear driving force by C.I.O., Vodafone Germany 	E&TC
2	Priyanka Reddy	Students.com, South Asia, Japan	<ul style="list-style-type: none"> Sales Consultant 	E&TC
3	Shashanki Singh	University of Mumbai	<ul style="list-style-type: none"> Assistant Professor SPPU University Topper for TE (1st rank) and BE (9 th rank) 	E&TC
4	Aishwarya Ravlekar	Rings & I - India's first ever Designer Diamond Ring Studio	<ul style="list-style-type: none"> Entrepreneur Software engineer ,TCS 	E&TC
5	Komal Pawar	IMB India Pvt.Ltd.	<ul style="list-style-type: none"> SAP Consultant SPPU University Topper for BE(9th rank) 	E&TC
6	Poornima Lala	IILM College of Engineering and Technology	<ul style="list-style-type: none"> Assistsnt Professor Speaker in the 'Connected Vehicles Workshop' during IEEE ANTS 2019, BITS, Goa 	E&TC
7	Kasturi Dalvi	Infosys, California	<ul style="list-style-type: none"> Cloud Security Engineer Completed M.S. from San Jose State University , California 	E&TC
8	Sneha Bantu	Galaxy Technovations LLP	<ul style="list-style-type: none"> Director 	E&TC
9	Swati Rai	IIT, Vadodara	<ul style="list-style-type: none"> Pursuing Ph.D 	E&TC
10	Neelam Gawade	Asst. Quality Manager	<ul style="list-style-type: none"> Hiphysix Laboratory India Pvt.Ltd. Conducts workshops for newly introduced software "LaTEX" 	E&TC

50. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Academic Year 2017-18

Sr. No.	Date	Type Of Event	Name and Address of Resource Person	Name of the Activity	Organized For
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04/07/2017	Seminar	Mr. Nagesh Mhetre Click in Computers	Seminar on DSA	SE
07/07/2017	Seminar	Mr. Sanjeev Manocha Mobile communication technologies pvt.ltd	Seminar on Wireless Communication	TE
14/07/2017	Seminar	Mr. Yogesh Ranga Chopras academy	Seminar on Overseas Education	TE
21/07/2017	Seminar	Mr. Vikas Choudhary Hackers Era	Seminar on Latest trend in cyber security	TE
23/08/2017	Seminar	Mr. Shrikant Panchal Career Launcher	Seminar on Higher Studies	TE
18/09/2017	Seminar	Ms. Neha GigIndia	Seminar on Projects, Industrial Training	BE
19/09/2017	Seminar	Ms. Neha Gig India	Seminar on Projects, Industrial Training	SE
21/09/2017	Seminar	Mr. Ram Mohan Career Launcher	Seminar on Career Opportunities after engineering	TE
23/09/2017	Seminar	Mr. Mangesh Joshi, Deputy Manager, Whirlpool, LLP, Pune	Seminar on "Career Opportunities after BE	SE
27/09/2017	Seminar	Ms. Neha Gig India	Seminar on Projects, Industrial Training	TE
29/09/2017	Seminar	Mr. Mandar Puranik SMC Trainers	Seminar on Mechatronics	TE



	01/08/2017 - 24/10/2017	Workshop	Ms. Deepa Shaha ThinkQuotient Software private Limited.	Workshop On 'C' Language Logic Improvement And Development	SE
	29/12/17	Seminar	Mr. Chinmay Oak Excel Technology	Seminar on Mini Project	TE
	09/01/18	Seminar	Mr. V Sastry Gate Academy	Seminar on Gate Preparation	SE
	12/01/18	Seminar	Mr. Ashish Gate Academy	Seminar on Gate Preparation	TE
	12/01/18	Seminar	Miss Shashanki Singh	Seminar on Guidance on Studies	TE
	18/01/18	Seminar	Mr. Sandeep Jethanni Microsoft ATS Infotech	IOT Demo	TE
	19/01/18	Seminar	Mr. Rajendra Joshi ADROIT IAutoTech	Seminar on Industrial Automation	TE
	21/01/18	Seminar	Mr. Tulshiram Mudholkar, Synechron Tech.Pune.	Seminar On "Pathway To Career In IT"	BE
	09/02/18	Seminar	Mr. Rohan Dahiwale Rajgad College of Management	Expert Lecture on Management Studies & HR	TE
	17/03/18	Seminar	Mr. Himanshu Khanke	Seminar on PCB Design	TE

			Ropes Tech Pvt. Ltd.		
	21/03/2019	Seminar	Dr. Rajesh Borole, AISSMS IOIT,Pune	Expert Lecture on "Power Electronics"	TE

Academic Year 2018-19

Sr. No.	Date	Type Of Event	Name and Address of Resource Person	Name of the Activity	Organized For
1	03/07/2018	Seminar	Mr. C .P. Mahajan Dolphin Labs	Seminar on E&TC the best branch of Engg	SE,TE
2	06/07/2018	Seminar	Mr. Maneesh Kumar Singh ATS InfoTech	Seminar on IoT	SE TE
3	10/07/2018	Seminar	Mr. Pratik Gade Educating Nations	Seminar on Skill Guidance	SE TE
4	13/07/2018	Seminar	Ms.Akash Ekatpure MAGNAM Solution	Seminar on Journey of student to profession	TE
5	17/07/2018	Seminar	India first Robotics team	Seminar on Recent Technology	SE
6	17/07/2018	Seminar	Mr. Venkat Gudipati WIISE positive shift	Seminar on An Introduction of social learning network	BE
7	14/08/2018 24/08/2018	Seminar	Mr. Akshay, Mr. Ankush ICE	Techno quiz	SE TE



8	05/09/2018 to 07/09/2018	Workshop	Mr. C. P. Mahajan Dolphin Labs, Pune	Workshop on PCB Design	SE
9	11/09/2018	Seminar	Mr. Mahesh Deshpande	Seminar on recent research topic	BE
10	09/10/2018	Seminar	Mr. Aniket Joshi MAGNAM Solution	Seminar on Recent Technology	BE
11	05/01/2019	Seminar	Mr. Pratap Sanap	Current Technology trends in AI and ML	TE
12	09/01/2019	Seminar	Ms. Rashmin Pulekar	Seminar on Life Skill Practices	BE
13	23/01/2019	Seminar	Mr. Chiranjit Malik Chopras Academy	Seminar on Higher Studies	TE BE
14	25/01/2019	Seminar	Mr. Akhilesh Deo	Seminar and Demo on PLC and Automation	TE
15	25/01/2019	Seminar	Mr. Salvi SEED InfoTech	SEED IT IDOL test	TE BE
16	05/02/2019 to 07/02/2019	Workshop	Mr. Sandeep Kulange SUNBEAM	Workshop on Basic C and Data Structure	SE
17	08/02/2019 to 11/02/2019	Workshop	Mr. C. P. Mahajan Dolphin Labs, Pune	Workshop on Mini project	TE

18	13/02/2019	Seminar	Mr. Bhushan Pawar Mugdha Systems	Seminar on Keep Engineering Alive	SE
19	13/02/2019	Seminar	Mr. Rohan Dahiwale, Mrs. Priyanka Shinde Rajgad Institute of Management	Seminar on Human Resource Management	TE
20	23/02/2019	Seminar	Mr. Dinesh Joshi Infinity X	Seminar on Current trends in Industrial IoT	TE
21	22/03/2019	Seminar	Mrs. Parul Jadhav MITWPU, Pune	Expert lecture on DSP Processor	TE
22	23/03/2019	Seminar	Mrs. Mugdha kale ISNT, Pune	Seminar on "Introducing New Avenues- NDT"	BE

51. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

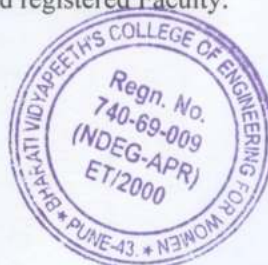
Department has separate result analysis committee which deals with progress related to the results. Every faculty evaluates the students by calculating course attainment and PO attainment.

52. Highlight the Special facilities (if, any) of the Department.

- Vector Network Analyzer (500KHz to 4 GHz)
- PCB lab
- LabView Software
- Mentor Graphics Backend Tool
- NI Myrio Kit
- Microwave Test Benches
- OTDR
- Hydraulic and Pneumatic Systems

53. Highlight the unique features of the department.

- Higher no. of Ph. D. completed and registered Faculty.



- Average experience of Faculty is 10 yrs.
- University rankers for successive 3 yrs.
- Highly equipped laboratory with high end software

54. State the Innovative practices adopted in the department.

- Peer to peer training for students
- Course mentor-mentee
- Course supporters
- Student counselling
- Mock interviews of SE and BE students
- Use of ICT portal for every course

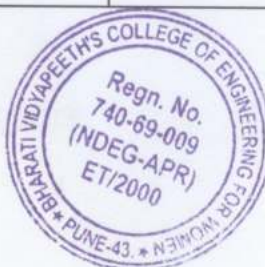
55. Highlight the participation of students and faculty in extension activities.

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers co-ordinated such activities	Number of students participated in such activities
Tree Plantation at Taljai	Maharashtra Forest Dept & BVCOEW-NSS	5	114
Fit India Movement Flashmob at SPPU	SPPU	1	9
Rakhabandhan celebration at Ayurvedic Hospital	Bharati Ayurveda Hospital, Pune & BVCOEW-NSS	1	10
Inauguration of Samarth Bharat Abhiyan	SPPU	1	6
Cleanliness Drive at Tilak Road (Swacha Bharat Abhiyan)	Make My Pune & BVCOEW NSS	1	8
Kerala Relief Fund Drive	SPPU & BVCOEW-NSS	1	2
New Year Celebration at Bharati Hospital	Bharati Hospital, Pune & BVCOEW-NSS	1	9
Flashmob at Campus(Hum Fit toh India Fit)	BVCOEW-NSS	2	22

Visit to Sarhad College NSS Camp at Kamare Village	Sarhad College of Arts, Commerce & Science, Pune , Abhinav College of Arts, Commerce & Science, Pune, Jadhavar College, Pune	1	2
Visit to Jaykranti College NSS Camp at Shivapur Village	Jaykranti College, Katraj, Pune	1	2
Pre-Camp Visit to Khopi Village	Khopi Grampanchayat & BVCOEW-NSS	1	2
Road Safety Awareness at Munot Vidyalaya Camp	Munot Vidyalaya, Katraj, Pune	1	11
Electronics Workshop at Dolphin Lab	Dolphin Labs, Pune & BVCOEW-NSS	1	6
Nirdhar Vahtuk Shisiticha(Road Safety Awareness Program) at BVP Campus	BVCOEW-NSS	1	10
Fit India Movement Campaign at Taljai on Republic Day	BVCOEW-NSS	1	18
Interaction with cancer patients at Bharati Hospital, Pune	Bharati Hospital, Pune & BVCOEW-NSS	1	9
Voter Awareness Essay Competition at SP College	SPPU NSS & S.P.College, Pune	1	2
Street Play at Munot Vidyalaya, Katraj	BVCOEW-NSS	1	10
Shivjayanti-Cloth Donation at Khopi	BVCOEW-NSS	1	6
Visit to NDRF	NDRF(Pune), India	3	2
Avhan Disaster Management Camp Preselection	SPPU-NSS	0	3
Avhan Disaster Management camp at Kolhapur	NDRF & Shivaji University-NSS	0	1



Gram Sarvekshan at Khopi village	BVCOEW-NSS, PICT-NSS BVCOFA-NSS	3	150
Health Check-up Camp at Khopi	Bharati Ayurved Hospital, Pune BVCOEW-NSS, PICT-NSS BVCOFA-NSS	3	150
Dental Check-up at Khopi	Khopi Grampanchayat, Bharati Dental College & Hospital, Pune & BVCOEW-NSS, PICT-NSS BVCOFA-NSS	3	150
Shramdaan at Khopi	Khopi Grampanchayat & BVCOEW-NSS, PICT-NSS BVCOFA-NSS	3	150
Participaion in Pune-Saswad Dindi(35km)	BVCOEW-NSS	3	10
Warkari Mitra program during palakhi stay at Bhavani Peth (Pandharpur waari)	SPPU-NSS	1	120
Warkari Mitra Activity (Post Wari Stay)	BVCOEW-NSS	1	7
GK test on account of Gandhi Jayanti	BVCOEW-NSS	0	10
Pre-Camp Visit to Khopi Village	Khopi Grampanchayat & BVCOEW-NSS	1	2
Relevancy of satyagrah in Modern era (Morning Prayer) at Khopi	Khopi Grampanchayat & BVCOEW-NSS, PICT-NSS BVCOFA-NSS	4	150
discussion on Street play topics and preparation	BVCOEW-NSS, PICT-NSS, BVCOFA-NSS	2	150
Presentation Topic Discussion for Awareness	BVCOEW-NSS, PICT-NSS, BVCOFA-NSS	2	150
Republic Day Celebration-Speech	BVCOEW-NSS	55	25
Cloth donation drive for Tribal Areas in Gadchiroli	BVCOEW-NSS & Sinhgad Alumini Team	5	25



Science Exhibition at Khopi Village	Khopi Grampanchayat & BVCOEW-NSS, PICT-NSS BVCOFA-NSS	5	150
Electronics Project Exhibition by Dolphin Lab at Khopi	Khopi Grampanchayat & BVCOEW-NSS, PICT-NSS BVCOFA-NSS	5	150
Rally on Saksham Yuva Samartha Bharat	Khopi Grampanchayat & BVCOEW-NSS, PICT-NSS BVCOFA-NSS	2	120
Swarchitra Jugalbandi (Art-Music Concert)	Khopi Grampanchayat & BVCOEW-NSS, PICT-NSS BVCOFA-NSS	8	150
Wall Painting	Khopi Grampanchayat & BVCOEW-NSS, PICT-NSS BVCOFA-NSS	4	60
Capacity Building of Village Children through Cultural Program	Khopi Grampanchayat & BVCOEW-NSS, PICT-NSS BVCOFA-NSS	8	150
Master chef Competition for Village Women	Khopi Grampanchayat & BVCOEW-NSS, PICT-NSS BVCOFA-NSS	5	150
Anand Melava for Villagers at khopi	Khopi Grampanchayat & BVCOEW-NSS, PICT-NSS BVCOFA-NSS	5	150
Arrangement of Village Library books using Rostrum Library Software	Khopi Grampanchayat & BVCOEW-NSS, PICT-NSS BVCOFA-NSS	3	50
Guineese World Record of Tree Plantation (Sapling Distribution) at SPPU	SPPU-NSS & SDO	3	100
Avhan Preselection	SPPU-NSS	0	3
Avhan Disaster Management camp at Kolhapur	NDRF & Shivaji University-NSS	0	1
Pune-Saswad Dindi	BVCOEW-NSS	3	10
Warkari Mitra	SPPU-NSS	1	120
Post Warkari Mitra Activity	BVCOEW-NSS	1	7

Shivjayanjiti Celebration (Speech & Resolution Campaign)	BVCOEW-NSS	3	40
Marathi Bhasha Divas - Discussion on Marathi Sahitya	BVCOEW-NSS	30	15
Yoga Session on International Yoga Day	SPPU-NSS & BVCOEW-NSS	1	4
Yoga Session on International Yoga Day	BVP & BVCOEW-NSS	18	100
Guru Pournima Celebration	BVCOEW-NSS	45	25
Organ Donation Awareness Campaign	BIG FM Radio & BVCOEW-NSS	3	80
Teacher's day Celebration -Craft Workshop (Flower and Diary Making)	BVCOEW-NSS	2	25
Life Skill Education Workshop	AACCI & BVCOEW-NSS	2	70
Mission Green-Corridor Gardening	BVCOEW-NSS	2	20
Visit to historical place- Karla Caves	BVCOEW-NSS	1	20
NAAC committee visit to NSS Office	BVCOEW	3	35
Blood Donation camp	BVCOEW-NSS	25	120
Cultural Program	BVCOEW	60	70
Documentation and record keeping of NSS	BVCOEW-NSS	1	25
NSS Office Recreation & decoration	BVCOEW-NSS	2	25



Flashmob -Fitness Awareness(HumFit Toh India Fit)	BVCOEW-NSS	4	50
Dance Practice-fitness campaign	SPPU-NSS, FTII & BVCOEW-NSS	2	120
Handcrafts Workshop (Book Mark)	BVCOEW-NSS	2	25
Presentation on NSS Activities	BVCOEW-NSS	2	25
Poster Making-Awareness campaign(gender equality,girl child,etc)	BVCOEW-NSS	2	28
Science Projects building	BVCOEW-NSS,PICT-NSS,BVCOFA-NSS	4	150
Special Camp Pre-Planning meeting	BVCOEW-NSS,PICT-NSS,BVCOFA-NSS	4	150
NSS Special camp organization	BVCOEW-NSS,PICT-NSS,BVCOFA-NSS	4	30
Inaugration of Camp at BVCOEW	BVCOEW-NSS,PICT-NSS,BVCOFA-NSS	4	150
Itihaas Lekhan (Gramsarveskhan on Social issues)	Khopi Grampanchayat, BVCOEW-NSS,PICT-NSS& BVCOFA-NSS	4	150
Shivvyakhyan at Khopi	Khopi Grampanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Inaugration at village Khopi	Khopi Grampanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	6	150
Need of 'Sarvodya' for Sustainable development (Morning Prayer)	Khopi Grampanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	3	150
Gajar Kirtanacha -Bhajan at Khopi	Khopi Grampanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	3	150
Mokla shwaas-Mindfulness Workshop	Khopi Grampanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	3	150

Computer LiteracyProgram for school children at Khopi	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	3	150
Shramdaan at Temple Khopi	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	3	150
Lecture on Health Issues by Dr.T.A Khan	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	3	150
Being "Ahinsa" in daily life (Morning Prayer)	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	3	150
Shramdaan- Canals cleaning	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	3	150
Development of "Swarajya"(Morning Prayer)	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	3	150
Drawing competition at Khopi school	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	3	150
Shramdaan at Smashaan Bhoomi	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	3	150
Aarogya hich sampatti by Dr.Shaileja Mane	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	3	150
Aayushyavar Bolu Kahi-Lecture by Prof. Dr. A.R Mhetre Sir	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	3	150
Demonstration workshop of Teracota-Prof.Dr.Girish Charwad sir	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	3	150
Fancy Dress Competition of children at Khopi	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	3	150
Seminar on "How to conquer success?" by Prof. Khot Sir	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Yogabhyaas at khopi	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150



Varhad Nighalay Londonla drama	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Mi ek Satyagrahi' Lecture ByMr. Sandip Barve	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Organic Farming Session-Ek Divas Sendriya Sheti Sathi	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Dhvajarohan at Khopi Temple	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Shramdaan- Bridge Transformation	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Emphasis on "Sarvabhaum"(Morning Prayer)	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Trek at Nearby Mountain in Khopi	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Shramdan - Corridor cleaning	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Elaboration of "Shashwat"(Morning Prayer)	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Shramdaan- Going Eco-friendly with Cow dung for Temple area leveling	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Guj-Goshati by Prof. S.A. Itkarkar Maam at Khopi	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Ek Kshan kasoticha-Prize distribution of Various competitions at khopi	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	5	150

Standing for "Satyagraha"(Morning Prayer)	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Being "Abhivyakti"(Morning Prayer)	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Drama- Pruthvi var manus uparach (Environmental Issues)	Khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Drama-Mala kahi tari sangaychay (Historical monument)	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Drama-Phakt Ladh Mhana	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Drama-Chukli disha Tarihi	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Closing Ceremony of NSS Special camp at Khopi	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Street Play-Women Empowerment	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Street Play-Political awareness	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Street Play- water management	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Street play -Green India	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150



Street Play-divyangata(Specially Abled People)	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Presentation on latest Innovations	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Powerpoint Presentation-Digital Education	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Powerpoint Presentation-Incredible India	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Powerpoint presentation- Power of Social Media	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Ex-tempore(Drama)-Baithak	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Debate-Knowledge/Marks	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Debate-Peer Pressure	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Home Minister competition at Khopi	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Haldi -Kunku program at Khopi	khopi Grapanchayat, BVCOEW-NSS, PICT-NSS& BVCOFA-NSS	4	150
Anand Melava(Food fare) for Villagers at khopi	Khopi Grampanchayat & BVCOEW-NSS, PICT-NSS BVCOFA-NSS	5	150

FSAI Student Induction program	FSAI	1	107
Technical session on IOT	FSAI	1	99
Seminar on Internet of Things (IoT)	FSAI	1	138
Seminar on Self defence	FSAI	1	113
FSAI Life Marathon-Run for Surakshit Bharat	FSAI	1	45
Combined Annual Training Camp-713	2 MAH NCC PUNE	0	1
Combined Annual Training Camp-715	2 MAH NCC PUNE	0	1
Combined Annual Training Camp-716	36 MAH BATTALION NCC PUNE	0	1
Group RDC Selection-II	2 MAH GIRLS NCC PUNE	0	1
CATC RDC IGC-717	38 MAH BATTALION NCC PUNE	0	1
CATC (PRE-RDC, CAT-I)	38 MAH BATTALION NCC PUNE	0	1

56. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths:-

1. Six faculty members with Ph.D. degree and 13 PG recognized faculty members.



2. Post-Graduation program in VLSI and Embedded System Design.
3. Laboratories with State of the Art equipment & modern software tools.
4. Faculty contributing in design development and implementation of curriculum in Board of Studies of affiliating university.
5. Effective use of ICT in teaching learning process.
6. Student centric functioning with mentoring and counseling through teachers.
7. Effective Academic monitoring.
8. Encouraging and conducive atmosphere for Co-curricular activities.
9. Promoting research among the students.
10. Ability to design and develop skill development.
11. Domain Group formation in the Research area.

Weakness:-

1. Lack of consultancy services.
2. Improvement of aptitude and communication skill for students.
3. Moderate employable competency.
4. Less research publications in peer reviewed international journals having high impact factor.
5. Less exposure to industrial environment.
- 6.

Opportunities

1. Promotion of Post-doctoral research.
2. Conduction of FDP and STTP.
3. Organization of national/international conferences and value addition programs.
4. Effective Participation of alumni in department development.
5. Revenue generation through consultancy and sponsored and cross disciplined projects.

Challenges

1. More Placement in core companies
2. Improvement of aptitude and communication skills for students
3. Strengthen industry and institute interaction.
4. Creating awareness about employment opportunities E & Tc Engineering
5. More participation in the summer school and industry internship.



6. Strengthen alumni interaction.

57. Future plans of the department:

Long term plans- (Future Plans)

- a. To establish research Centre.
- b. To promote patents and registration.
- c. To prepare students ready for placement from initial stages.
- d. Establish linkages with reputed industries..
- e. Online submission and assessment of assignment and unit test.
- f. Implementation of ERP.

Short term plans

- a. More Placement in core companies
- b. Improvement of aptitude and communication skills for students
- c. Strengthen industry and institute interaction.
- d. Creating awareness about employment opportunities E &Tc Engineering
- e. More participation in the summer school and industry internship.
- f. Strengthen alumni interaction.

Declaration by the Head of the Department/Institution:

I am aware that the above information provided by the department will be validated by the AAA committee during the visit.



Head of Department

Date: 11.02.2020

Head of the Department
Electronic & Tele Communication
B.V.'s College of Engineering for Women
Pune - 411043

I/C PRINCIPAL
Bharati Vidyapeeth's
College of Engineering for Women
Pune-Satara Road, Pune-411043

Bharati
Prof. S.T. Khot
IGAC Coordinator





**Bharati Vidyapeeth's College of Engineering for Women, Dhankawadi,
Pune-411043**

Date: 14/02/2020

**INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF THE
DEPARTMENT**

Year – 2020-2021

(Provide information for last two years from 2018-19 to 2019-20)

1. Name of the Department: Computer Engineering
2. Year of establishment: 2000
3. Courses offered: UG, PG, M. Phil., Ph.D., Integrated Masters

Year	UG
2018-19	60
2019-20	60

4. Courses introduced during last 5 years: NIL
5. Does the department have Academic flexibility? If yes since when?
Yes, the department offers choice based elective subjects since A.Y. 2004.
6. Interdisciplinary programs offered and departments involved: NIL
7. Courses conducted in collaboration with other universities and Institutions:

Sr. no.	Course Name	Collaborating Organizations	Duration	A.Y.



8. Details of programmes discontinued, if any, with reasons: NIL

9. Examination System: Annual/ Semester/Choice Based Credit System/ Credit and Grading system/ any other system, specify:

Programme Name	System Pattern
UG	Credit and Grading system for SE TE BE Student

10. Participation of the department in the curriculum development for courses offered by the University.

Sr. No	Name of the Faculty	Details	Organized By	Year
	Nil	Nil	Nil	Nil

11. Does the department have different syllabus than the one used by university for UG and PG courses?

Institution is affiliated to SPPU; thus, the syllabus is as provided by the University.

12. Number of teaching posts sanctioned, filled and vacant.

Designation	Sanctioned	Filled	Filled under CAS
Professor	1	NIL	NIL
Associate Professor	2	03	NIL
Assistant Professor	7	10	NIL
Total	10	13	NIL

13. Faculty profile with name, qualification, designation, experience, nature of appointment (confirmed/ probation/temporary):

a) Appointed to Government Sanctioned Post.

Name	Designation	Qualifications	Teaching/ Research Experience	Nature of appointment
Prof. D. D. Pukale	Associate Professor	M.E.(CSE) Ph.D. (pursuing)	24 years	Confirmed
Prof. P. D. Kale	Associate Professor	M.E (Comp)	21 years	confirmed
Prof. Dr. S. P. Kadam	Associate Professor	M.E (Comp) Ph.D.	14 Years	confirmed
Prof. S. B. Jadhav	Assistant Professor	M.E (Comp) Ph.D. (pursuing)	14.4 Years	confirmed
Prof. A. P. Kadam	Assistant Professor	M.E (Comp) Ph.D. (pursuing)	12.10 Years	confirmed
Prof. V. D Kulkarni	Assistant Professor	MTech (I.T.)	16 years	confirmed
Prof. K. S. Warke	Assistant Professor	MTech (I.T.)	12 Years	confirmed
Prof. K. S. Sawant	Assistant Professor	MTech (I.T.)	11 years	confirmed
Prof. N. I. Dalvi	Assistant Professor	MTech (I.T.)	8.5 years	confirmed
Prof. J. D. Jadhav	Assistant Professor	MTech (Comp)	10.6 years	confirmed
Prof. K.D. Yesugade	Assistant Professor	M.E (Comp) Ph.D. (pursuing)	16 Years	confirmed
Prof. S. A. Pawar	Assistant Professor	MTech (Comp) Ph.D.	7.2 Years	confirmed
Prof.S.A.Deshmukh	Assistant Professor	MTech (Comp) Ph.D.	7 Years	confirmed

b) Appointed from University Fund.



Name	Designation	Qualifications	Teaching/Research Experience	Nature of appointment.
NIL	NIL	NIL	NIL	NIL

14. List of Visiting Fellows/Teachers, Adjunct and Emeritus Professors, (for last 2 years).

Sr. No.	Name of Visiting Fellows/Teachers, Adjunct and Emeritus Professors	Status	Subject	Academic Year
	NIL	NIL	NIL	NIL

15. Percentage of classes taken by temporary/visiting faculty (programmer- wise information):

Sr. No.	Academic Year	Sem	Percentage of Lectures Delivered	Percentage of Practical's handled
1	2018-19	I	NIL	NIL
		II	M-III Load assigned to Engg and Allied Sciences	M-III Tutorial to Engg and Allied Sciences
2	2019-20	I	NIL	NIL
		II	M-III Load assigned to Engg and Allied Sciences	M-III Tutorial to Engg and Allied Sciences

16. Programme-wise Student Teacher Ratio: (Average of 2 Years)

Year	No of Students Enrolled in the institute	No of Full Time Teachers	Teacher Student Ratio
2018-19	261	13	1:20
2019-20	228	13	1.18
Average of 2 Years	224	13	1:19

Average of 5 Years Teacher Student Ratio: - 1:17

17. Number of academic support staff (technical) and administrative staff sanctioned, filled and vacant:

Sr. No.	Posts	Sanctioned posts	Filled	Actual
1	Laboratory Assistant	-	03	03
2	Clerk (office)	-	01	01
3	Laboratory Attendant	-	00	00
4	Peon	-	02	02
5	Other	-	00	00

18. Thrust areas of research as identified by the department:

Cloud Computing, IoT, Artificial Intelligence, Machine Learning, Big Data Analysis, Image Processing

19. Information about research grants, projects completed and ongoing during the period of last 5 years

a) From National funding agencies (like UGC, CSIR, DST, DBT etc):

Sr. No.	Name of the Principle Investigator (CO-investigator)	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in Rs)
1.	Prof. Dr. S. P. Kadam	Development of SMOOD	SPPU	50000

c) From International funding agencies: NIL

20. Funds received at Departmental level through DST-FIST; CSIR, UGC-SAP/CAS, DAE, DBT, BRNS, ICSSR, AICTE, etc.: NIL Year of establishment: 2000

21. Research facilities available in the department and recognition received, if any?

Digital Library(Online access to National and International Journal, Proceeding) is provided in the department.

22. Special research laboratories sponsored by / created by industry or corporate bodies: NIL



23. Publications:

Sr. No.	Paper Published in peer viewed journals	Name of Staff	Monographs, books, chapters in book	Citations	H-index	Impact Factor/ Average impact factor
1	A Deep Learning Based Approach for Banana Plant Leaf Diseases Classification and Analysis	Prof. D. D. Pukale	--	--	--	--
2	Deep learning for early diagnosis of breast cancer using mammogram images	Prof. D. D. Pukale	--	--	--	--
3	Path finding using RSSI for Fire Fighting Robot	Prof. P. D. Kale	--	--	--	--
4	Smart Ration Card System Using Embedded System	Prof. K.S. Warke	--	--	--	4.31
5	Patient Health Monitoring System	Prof. K.S. Sawant	--	--	--	--
6	Online Intrusion Detection System for Wide Range of Attack	Prof. K.D. Yesugade	--	--	--	6.887
7	End To End support system for E commerce	Prof. S.B. Jadhav	--	--	--	--
8	Bankruptcy Prediction System using ANN	Prof. S.B. Jadhav	--	--	--	--
9	Automated Web Based test Engine Using Cloud	Prof. Dr. S. P. Kadam	--	--	--	--

10	Mobile Data Warehouse - Creating multi-cluster Web Application which will Track the Entire Process of Data Warehouse	Prof. Dr. S. P. Kadam & Prof. K. D. Yesugade	--	--	--	6.887
11	Definite Proxy Gateway for secure web access	Prof. A. P. Kadam	--	--	---	--
12	Secure Software Rollback System	Prof. A. P. Kadam	--	--	--	--
13	Cloud Unified Threat management system	Prof. J. D. Jadhav	--	--	--	6.887
14	survey on secure triple level encryption method using binary field	Prof. N. I. Dalvi	--	--	--	6.66
15	2D Virtual Trial Room Using Augmented reality	Prof. V. D. Kulkarni	--	--	--	4.312
16	An eye blink & head movement detection system for computer vision syndrome	Prof. V. D. Kulkarni	--	--	--	1.2
17	online database load balancer to collaborating with existing database	Prof. S.A. Pawar	--	--	5	3.022
18	Double Garud Security System for e-commerce Website	Prof. S. A. Deshmukh	--	--	---	--
19	Wellness Program Counsel	Prof. K. S. Sawant	--	--	--	6666.13
20	Advance database security using secured layer	Prof. A. P. Kadam	--	--	--	
21	Double Guard IDS System for E-Commerce Website	Prof. S. A. Deshmukh	--	--	--	--



22	Automated self-monitoring of calorie estimation on food	Prof. D. D. Pukale	---	--	--	5.7
23	Automated self-monitoring of calorie estimation on food	Prof. D. D. Pukale	---	--	--	7.04
24	A disease prediction and rectification system for banana leaf using CNN	Prof. D. D. Pukale	---	--	--	7.04
25	Mining of Complete Fashion Attire with Multiple Choices Using Deep Learning	Prof. Dr. S. P. Kadam	---	---	---	5.8
26	Prediction of Alzheimer's Disease Using Machine Learning Techniques	Prof. K. S. Warke	---	---	---	7.04
27	Predict The Alzheimer's Disease Based on Machine Learning Techniques	Prof. K. S. Warke	---	---	---	5.8
28	Computer System for Diagnosis of 'Melanoma' Type of Skin Cancer Using Classification	Prof. V. D. Kulkarni	---	---	---	3.02
29	Using Topic modelling identifying trends in technologies and programming languages	Prof. S. B. Jadhav	---	---	---	7.04
30	Introducing a system that identifies trends in technologies & programming languages using Topic Model Algorithm	Prof. S. B. Jadhav	---	---	---	5.87
31	Recommender System Based on Publicly Available Data	Prof. P. D. Kale	---	---	---	7.04

32	Commendation system based on price evaluation	Prof. P. D. Kale	---	---	---	5.8
33	Mining of Complete Fashion Attire with Multiple Choices Using Deep Learning	Prof. Dr. S. P. Kadam	---	---	---	7.04
34	Analysis of Ocular Diseases Using Multiple Information Domains.	Prof. S. A. Pawar	---	2	5	7.04
35	Prediction of Opthalmic Disease Using Image Processing & Machine learning	Prof. S. A. Pawar	---	2	5	5.8
36	Crop Prediction Using Machine Learning Technique	Prof. K. D. Yesugade	---	---	---	5.8
37	Crop Suggesting System Using Unsupervised Machine Learning Algorithm	Prof. K. D. Yesugade	---	---	---	3.02
38	Machine Learning Approach for Crop Selection Based on Agro-Climatic Conditions	Prof. K. D. Yesugade	---	3	---	6.66
39	Viral Post Identification using Core NLP and Naïve Bayes	Prof. N.I. Dalvi	---	---	---	7.04
40	A New Approach for Evidence Gathering Using Data Mining Techniques	Prof. A. P. Kadam	---	---	---	7.04
41	Data Management & unique identification system using NFC	Prof. A. P. Kadam	---	---	---	--



42	Neural network classification of blood cell image using multi perceptron back propagation	Prof. S. A. Deshmukh	---	---	---	7.19
43	Computer Aided system for Diagnosis of Skin Cancer Using Classification	Prof. V.D. Kulkarni	---	---	---	5.87
44	Smart Traffic System	Prof. J. D. Jadhav	---	---	---	3.02
45	Current Security Challenges in Internet of Things	Prof. S. A. Pawar	---	4	5	7.75
46	Viral Post Identification using Core NLP and Naïve Bayes	Prof. N.I. Dalvi	--	--	--	5.87

AY 2019-20

Sr. No	Paper Published in peer reviewed journals	Name of Staff	Monographs, books, chapters in book	Citations	H-index	Impact Factor/ Average impact factor
1	Deep Learning for Early Detection of Breast Cancer Using Histopathological Images	Prof. D. D. Pukale				7.4
2	Expecting Finest response in public question answer scheme using algorithm	Prof. D. D. Pukale				5.87
3	To develop Recruitment based Application on Psychometric and aptitude Using Text Mining	Prof. P. D. Kale				5.87
4	Web Based System for Dengue Epidemics Prediction	Prof. Dr. S.P. Kadam			2	5.87

	Based on Meteorological and Surveillance Data					
5	yield production identification based on rainfall data analysis.	Prof. S. B. Jadhav			2	5.87
6	Rainfall Based Crop Production Identification Using Data Mining	Prof. S. B. Jadhav			2	6.38
7	Diabetes Retinopathy Prediction using retina	Prof. A. P. Kadam				4.2
8	Face skin disease classification based on images	Prof. A. P. Kadam				5.87
9	Document Classification and Summarization using Probabilistic Classifier	Prof. V.D. Kulkarni			2	5.87
10	Cryptographically enforced dynamic access control and traceable group data sharing in the cloud	Prof. V.D. Kulkarni			2	5.87
11	The management of security for text document protection using various algorithm	Prof. K. S. Warke				5.87
12	A Resume Evaluation System	Prof. K. S. Warke				5.87
13	A Resume Evaluation Technique by using different algorithm Technique	Prof. K. S. Warke				0.75
14	Classification for community structure in social media networks	Prof. K. S. Sawant	-	-	-	6.83
15	Classification for community structure in social media networks	Prof. K. S. Sawant	-	-	-	5.87



16	Pothole Detection and Message Passing system	Prof. N. I. Dalvi				4.30
17	Quality of location awareness recommendation system based on user data	Prof J. D. Jadhav			1	5.87
18	Quality of location awareness recommendation system based on user data	Prof J. D. Jadhav			1	6.83
19	Current Security Challenges in Internet of Things	Prof. S. A. Pawar		4	5	4.30
20	Development of QoS Evaluation Algorithm for MQTT Protocol with Reference to Threat Model	Prof. S. A. Pawar		5	5	6.02
21	Development of IoT Middleware Broker Algorithm for Handling Multiple Event Based Protocol Requests	Prof. S. P. Deshmukh				6.02

24. Details of patents filed & granted and income generated: NIL

25. Consultancy services provided, name of the teacher/s and income generated: NIL

26. Details of teachers invited as resource persons for Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.: NIL

27. Details of teachers participated in Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels. (participant, presented paper, chaired the session)

a. National

Year	Name of Teacher who attended	Title of the Professional development Program	Dates and Duration(from-to)
2019-20	Prof. D. D. Pukale	R Programming Quiz	01-06-2020
	Prof. K. D. Yesugade	NPTEL FDP "Ethical Hacking"	1/07/2019 to 1/10/2019
	Prof. K. D. Yesugade	Certification on Python 3.4.3	27-04-2020 to 2-05-2020
	Prof. S. A. Pawar		
	Prof Dr. Sonali Kadam	FDP on "Python Programming"	4-05-2020 to 9-05-2020
	Prof. Shital B. Jadhav		
	Prof. A. P. Kadam		
	Prof. Vinaya D. Kulkarni		
	Prof. K. S. Warke		
	Prof. K.S. Sawant		
	Prof. J. D. Jadhav		
	Prof. N. I. Dalvi		
	Prof. K. D. Yesugade		
	Prof. S. A. Pawar		
	Prof S. A. Deshmukh		
	Prof Dr. Sonali Kadam	Certification on "LATEX"	11-05-2020 to 15-05-2020
	Prof. Shital B. Jadhav		
	Prof. A. P. Kadam		



	Prof. Vinaya D. Kulkarni		
	Prof. K. S. Warke		
	Prof. K.S. Sawant		
	Prof. J. D. Jadhav		
	Prof. N. I. Dalvi		
	Prof S. A. Deshmukh		
	Prof. S. A. Pawar		
	Prof. K. D. Yesugade		
	Prof. Shital B. Jadhav	Workshop on "Drupal"	18-05-2020 to 23-05-2020
	Prof. A. P. Kadam		
	Prof. K. S. Warke		
	Prof. Vinaya D. Kulkarni		
	Prof. K.S. Sawant		
	Prof. J. D. Jadhav		
	Prof. N. I. Dalvi		
	Prof. K.D.Yesugade		
	Prof. S. A. Pawar		
	Prof S. A. Deshmukh		
	Prof. K.D.Yesugade	Certification on "LaTeX101x: LaTeX for Students, Engineers, and Scientists"	10-06-2020 to 29-06-2020

	Prof. Shital B. Jadhav	LaTeX101x: LaTeX for Students, Engineers, and Scientists	24/09/2019 to 2/02/2019
	Prof. Shital B. Jadhav	Two-week FDP on Machine Learning and Data Analytics	09/12/2019 to 20/12/2019
	Prof. Shital B. Jadhav	FDP on "Deep Learning Part 1"	01/01/2020 to 30/04/2020
	Prof. Shital B. Jadhav	Workshop on "R - Language for analytics and Data Science"	27/04/2020 to 2/05/2020
	Prof. Shital B. Jadhav	Workshop on "Emerging Trends in industry 4.0"	18/05/2020 to 29/05/2020
	Prof. S. A. Pawar		
	Prof Dr.Sonali Kadam	FDP on Promoting Quality Culture in Technical Institutions	25/05/2020 to 29/05/2020
	Prof S. A. Deshmukh	FDP on "Biopython"	27/04/2020 to 02/05/2020
	Prof S. A. Deshmukh	FDP on "R Programming"	04/05/2020 to 09/05/2020
	Prof. Vinaya D. Kulkarni	FDP on "Java"	04/05/2020 to 15/05/2020
	Prof S. A. Deshmukh		
	Prof S. A. Deshmukh	FDP on "Machine Learning and Deep Learning Application in IT"	25/05/2020 to 29/05/2020
	Prof. S. A. Pawar	FDP on "NAAC Awareness Programme for Faculty"	08/05/2020 to 14/05/2020
	Prof. S. A. Pawar	FDP on "Advancements in IoT"	08/06/2020 to 12/06/2020



	Prof.A.P.Kadam	Workshop on "LINUX	18/05/2020 to 25/05/2020
	Prof. K.S. Sawant	FDP on "Research Methodology: Data Collection Methods, Research Tools and Techniques"	09/06/2020 to 15/06/2020
	Prof.N.I.Dalvi		
	Prof.K.S.Warke	Workshop on "Signal, Image and Video processing : A Practical Approach (SIVPAPA - 2020)"	26/05/2020 to 30/05/2020
	Prof.J.D.Jadhav	FDP on "Modern Educational Tools & Pedagogical Practices for Online Teaching"	21/06/2020 to 25/06/2020
	Prof. K.S. Sawant	FDP on "Machine Learning and Deep Learning Application in Engg.&Science"	16/5/2020 to 20/05/2020
	Prof. K.S. Sawant	FDP on "Recent Trends & Innovations in Digital Forensic"	25/05/2020 to 30/05/2020
	Prof. K.S. Sawant	FDP on "Research Methodology: Data Collection Methods, Research Tools and Techniques"	09/06/2020 to 15/06/2020
2018-19	Prof.A.P.Kadam	FDP on "Laboratory Practice-III"	18/12/2018 - 19/12/2018
	Prof.P.D. Kale	FDP on "Laboratory Practice-III"	18/12/2018 - 19/12/2018
	Prof.K.S.Warke	Workshop on "Machine Learning using Python-Statistical Approach"	21/12/2018 - 22/12/2018
	Prof. N.I. Dalvi	FDP on "Laboratory Practice-II"	16/07/2018 - 18/07/2018

Prof. S.A. Deshmukh	FDP on "Laboratory Practice-II"	16/07/2018 - 18/07/2018
Prof.S.A.Pawar	FDP on "Laboratory Practice-IV"	9/1/2019
Prof.D.D.Pukale	Workshop on "Key Aspects of Curricula Design and Content Delivery"	17/01/2019
Prof.P.D. Kale	Workshop on "Key Aspects of Curricula Design and Content Delivery"	17/01/2019
Prof. S.B. Jadhav	Workshop on "Patent Drafting and Filing"	9/2/2019
Prof.S.A.Pawar	Workshop on "Latex"	13/02/2019 - 14/02/2019
Prof. S.B. Jadhav	Workshop on "Latex"	13/02/2019 - 14/02/2019
Prof. S.B. Jadhav	Workshop on "Java Advanced Frameworks: Spring Core, Spring MVC & Hibernate"	7/03/2019 - 8/03/2019
Prof.K.S.Warke	STTP on "NBA Accrediation"	22/04/2019-26/04/2019
Dr. S.P. Kadam	Workshop on "AWS-Academy Cloud Foundation"	6/05/2019 - 9/05/2019
Prof.A.P.Kadam		
Prof.K.S.Warke		
Prof.K.D.Yesugade		
Prof.N.I.Dalvi		
Prof.V.D.Kulkarni		
Prof.J.D.Jadhav		
Prof.K.D.Yesugade	NPTEL Online Certification on "Cloud Computing" (8 Weeks Course)	25/02/2019-20/04/2019
Prof. K.S. Sawant	NPTEL Online Certification on "Problem solving through programming in C"(12 weeks course)	28/01/19-19/04/19
Prof.S.A.Pawar		28/01/19-19/04/19



	Prof. S.A. Deshmukh	NPTEL online certification course "Introduction to Internet of Things"(12weeks course)	
	Dr. S.P. Kadam	AWS Certified Cloud Practitioner	25/11/2019-30/12/2019
	Prof.K.D.Yesugade		
	Prof.J.D.Jadhav		
	Prof.N.I.Dalvi		

b. International

2018-19	Prof. S. B. Jadhav	International Workshop on "FOSS4G for Digital & Skill India"	17/08/2018-18/08/2018
	Prof. S.A. Deshmukh	International Conference of on Computing, Communication, Control and Automation(ICCUBEA-2018)	16/08/2018-18/08/2018
	Dr. S.P. Kadam	AWS Certified Cloud Practitioner	25/11/2019-30/12/2019
	Prof.K.D.Yesugade		
	Prof.J.D.Jadhav		
	Prof.N.I.Dalvi		

28. Participation of teachers in various academic activities as members of committees at university level, State level, National level, International level bodies. (give details)

Sr. No.	Name of Staff	Name of Event	Organized by	Date	Total no of Faculty
1	Prof. D. D. Pukale	Appointed as Paper Setter and Examiner for subject of BE (2015)Operation Research	SPPU	27/08/2018	13

2	Prof. P. D. Kale	Appointed as Paper Setter and Examiner for subject of TE Computer Data Communication & Wireless Sensor Networks	SPPU	26/07/2018	13
4	Prof. K.D.Yesugade	Appointed as Paper Setter : Computer Forensic & Cyber Applications (310245) ,TE 2012	SPPU	16/03/2020	13
5	Prof. K.D.Yesugade	Appointed as Paper Setter : Computer Forensic & Cyber Applications (310245) ,TE 2012	SPPU	29/08/2019	
6	Prof. K.D.Yesugade	Appointed as Paper Setter: Humanities And Social Sciences (207005) ,Sem I	SPPU	27/11/2019	

29. Details of teachers appointed/nominated on Editorial Boards at university, state, national and international levels.: Nil

30. Awards / Prizes and recognitions received by teachers at university, state, national and international level:

Sr. No.	Name of faculty	Achievement/Award/Recognitions	Awarding Agency	Year
1.	Dr. S.P. Kadam	AWS Certified Cloud Practitioner	Amazon Web Services	2019-20
2.	Prof. K. D. Yesugade	AWS Certified Cloud Practitioner	Amazon Web Services	2019-20



3.	Prof. J. D. Jadhav	AWS Certified Cloud Practitioner	Amazon Web Services	2019-20
4.	Prof. N. I. Dalvi	AWS Certified Cloud Practitioner	Amazon Web Services	2019-20

31. Awards and Prizes at university received by students, state, national and international level:

Sr. No	Name	Name of the Activity	Recognition / Award	Date	Organized by
1	Rutuja Dahore Supriya Mahadik Sailee Morde Bhairavi Pawar	at Ajinkya Techfest- Project competition	1 st winner - INR 30000 & INR 1 Lakh scholarship	4/4/2018	D Y Patil School of Engg in association with PSP-IP Associates Pvt Ltd
2	Prajakta Jadhav Chaitrali Gole Darshana Deshmukh	IETE Approved 4 th National level poster Expo. For Engineering students	Runner Up	23,24/4/2018	KJET's K J College of Engg. & management Research, Pune
3	Darshana Deshmukh, Prajakta Jadhav, Chaitali Goley	National Level Poster presentation	2 nd Position	23/3/18 and 24/3/18	KJET Trinity Pune
4	Pallavi Mali, Nidhi Kamath, Akshara Gupta	Selected among top 50 projects at NES Innovation Awards	Finalists	13/01/2018	Natraj Education Society
5	Rutuja Darak, Revati Jadhav, Samruddhi Khadtare, Aparna Korde	Project Exhibition	3 rd Position	31/03/2018	ProyectoEx-18 BVCOEW
6	Rohini Zade, Sampada Dagwar, Sayali Mohite' Prajakta Dagade	Selected among top 50 projects at NES	Finalist	13/01/2018	Natraj Education Society

		Innovation Awards			
7	Rohini Zade, Sampada Dagwar, Sayali Mohite' Prajakta Dagade	Project Exhibition	2 nd Position	31/03/2018	ProyectoEx-18, BVCOEW
8	Pranoti N. Dahiwal, Baktawar R. Bulsara, Payal B. Gaikwad, Nikita C.	Project Exhibition	1 st Position	31/03/2018	ProyectoEx-18, BVCOEW
9	Bhairavi Pawar, Sailee Morde, Supriya Mahadik, Rutuja Dahore	Project Exhibition	1 st Position	28/3/2018	DYP, Akurdi, Pune
10	Sharayu Suryavanshi & Swaranjali Raskar	HeadNext start up competition - National Level Event	5 th position among 15 teams	26,27/10/2018	Krazybee PAN India , Bangalore
11	Sharayu Suryavanshi & Swaranjali Raskar	Flipkart hackethon – National Level Event	5 th position among 87 teams	28/8/18	Cummins College of Engg., Pune
12	Swaranjali Raskar Gaytri Bhorkar Gaytri Sadare	NES Inovation Awards	Selected among top 50 projects	20 2019-20 2019-20 18-19	
13	Isha R. Sangrolkar Neha More Shivani Gogawale Hrituja R. Mane	Sinhgad Karandak	1 st	2018-19	Sinhagad Educaton Society, Pune.
14	Shubhu Trivedi Bist Poojakumari Anshita Makode Suruchi Mishra G Kavya Priyanka Bagal Prachi Shukla	Microsoft Technology Associate	Secured more than 80% marks	25/02/19	BVCOEW
15	Atmaja Dhumal Diksha Kale Neha Yadav	Sport-volleyball competition	Runner up	2018-19	Cummins COEW, Karvenagar



16.	Poojakumari Bist	—	Received Lila Poonawalla foundation Scholarship of Rs. 50000/-	2019-20	Lila Poonawalla Foundation
17.	Shristy Kumari	—	Received Persistent Scholarship of Rs. 40000/-	2019-20	Persistent System
18.	Ms. Siddhi Deshpande	—	SPPU 8 th Topper in T.E. Computer Engineering (2017-18)	2019-20	SPPU
19	Ms. Payal Bhandari	—	SPPU 6 th Topper in T.E. Computer Engineering (2018-19)	2019-20	SPPU
20	Ms. Sanyogta Rajput	—	SPPU 9 th Topper in T.E. Computer Engineering (2018-19)	2019-20	SPPU
21	Volleyball team		Trophy in National Level Inter-Engineering Sports	2019-20	MIT World Peace University, Pune.

			Meet "MIT Summit-2019",		
22	Diksha Kale		Trophy in "3 A-side Volleyball Tournament" in Zest-2020,	2019-20	College of Engg. Pune,
23	Volleyball team		"Runners-up" in Inter Collegiate Volleyball Tournament	2019-20	PICT, Pune.
24	Volleyball team		"Semi-finalist" in "Cummins Pentacle-2020"	2019-20	Cummins College, Pune.
25	Swarada Jalukar		2nd position in report writing competition,	2019-20	Vivekananda Kendra Kanyakumari, Pune Branch.

32. Details of Seminars/ Conferences/Workshops organized at university, state, national and international level and the source of funding with details:

Name of Conference/ Seminars / Workshops	Funding agency	No. of Participants	University/State/National/ International	Dates
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National Level Workshop on "AWS-Academy Cloud Foundation"	AWS	32	National Level	6 th May 2019 to 9 th May 2019
Workshop on Latex	College	246	National	11/05/2020 to 15/05/2020
Workshop on AWS Solution Architect Training	AWS	35	Local	03-07-2020 to 21/03/2020
Workshop on AWS Boot Camp by AWS Official	AWS	100	Local	17/02/2020
Webinar on "Student to Employee"	College	47	Local	30/05/2020

33. Student profile programme-wise at UG and PG

UG	Applications Received	No. of students Admitted	Seats Available	Female	Year
UG Computer Engineering	Not Applicable since admission processes is as per DTE norms.	60	60	60	2017-18
		55	60	55	2018-19
		52	60	52	2019-20

34. Year-wise results of students at UG and PG:

UG	Year	Appeared	Passed	Pass %	Grade %			
					O	A	B	C
UG	2018-19	63	61	96.82	82.53	14.28	---	---
UG	2019-2020 BE	75	75	100	46	24	-	-

35. Information about M. Phil. programme: NIL

36. Information about Ph. D. programme: NIL

37. Number of students awarded M.Phil., Ph.D. Degree: NIL

38. Diversity of Students: (Year-wise)

Name of the Programme	Year	% of students from the same University	% of students from other Universities within the State	% of students from Universities outside the State	% of students from other countries
UG	2018-19	62.00	31	7.00	NIL
	2019-20	54	38.4	7.6	NIL

39. Number of students cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give Category wise data.

Year	MPSC/UPSC	NET/ SET	GATE	Other Exams	Total
2018-19	NIL	NIL	NIL	NIL	NIL

40. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Year	% proceeded for higher studies		% of students placed
	UG to PG	PG to Ph.D./ M.Phil.	
2018-19	6.34	NIL	77.77



41. Diversity of Faculty:

Teaching faculty	% 2018-19	% 2019-20
from the same university	7.69	7.69
from other universities within the State	92.3	92.3
from other States	0.00	0.00
from outside the country	0.00	0.00

42. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. / D.Lit.:

Sr.No	Name of faculty	Degree Awarded	Awarding University	Year
1.	Prod. Dr. Sonali Kadam	PhD	BVDU	2015

43. Present details of departmental infrastructural & other facilities with regard to

a) Central Library Books and Journals, etc., relevant to Department: A.Y.2018-19

Total No. of Books (Last Five Years)	5161
Journals-	06 Journals
Periodic	2
E-Journals	218

b) Departmental Library (books, journals etc.) : A.Y.2018-19

No. Of Books	297
No Journals	Nil

- c) Computers and Internet facilities for staff : 15
- d) Total number of class rooms : 2
- e) Class rooms with ICT facility : 2
- f) Students' laboratory : 6
- g) Research laboratories : 00
- h) Seminar Hall : 00
- i) Smart class room : 00
- j) Any other facility LCDs : 03

a) Central Library Books and Journals, etc., relevant to Department: A.Y.2019-20

Total No. of Books (Last Five Years)	5195
Journals-	06 Journals
Periodic	2
E-Journals	218

b) Departmental Library (books, journals etc.) : A.Y.2019-20

No. Of Books	297
No Journals	Nil

- c) Computers and Internet facilities for staff : 15
- d) Total number of class rooms : 2
- e) Class rooms with ICT facility : 2
- f) Students' laboratory : 6
- g) Research laboratories : 00
- h) Seminar Hall : 00
- i) Smart class room : 00
- j) Any other facility LCDs : 03

44. List of post-doctoral students and Research Associates

- a) Post-doctoral. Students- NIL
- b) Research Associates- NIL

45. Number of post graduate students getting financial assistance from the university/state / central government- NA

46. Curricular Aspects:

- a) Does the faculty take initiative in curriculum development process?
 - Yes.
- b) Is curriculum suitable to make students globally competitive in the Subject?
 - If yes, substantiate.
 - Yes The Student are opting for Higher Education in other Universities

Sr. No	Year	No. of students	Institution Name	Program Name
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1	2018-19	4	Bharati Vidyapeeth Deemed University	Master of Business Administration
2			National Institute of Business Management	Master of Business Administration
3			IMS Proschool Pvt. Ltd.	Certificate in Business Analytics
4			Thapar Institute Of Engineering and Technology	Master of Engineering

Competitive Exams

Year	Number of students selected/ qualifying								
	NET	SLET	GATE	GMAT	CAT	GRE	TOFEL	Civil Services	State government examinations
2017-18	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL
2018-19	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL	NIL

- c) Does the department offer program with sufficient no. of electives options?
- Yes.
- d) While framing curriculum, is feed-back taken from stakeholder's viz. Students/Alumni/Parents/Employers considered?
- College is affiliated to Savitribai Phule Pune University (SPPU) hence while framing the curriculum, analysis of the feedback taken from stakeholders, is forwarded to Board of Studies Members of Computer department, Savitribai Phule Pune University.
- e) What is the frequency of curriculum revision? (3/4/5 years or more)
- 3 Years
- f) Does the curriculum have emerging thrust areas, including interdisciplinary Areas? (If yes, elaborate).
- Yes, Cloud Computing, IoT, Artificial Intelligence, Big Data Analysis

47. Teaching-Learning, Evaluation.

- 1) Number of teachers preparing & following Academic Teaching plan

2018-19	2019-20
13	13

2) How many teachers use the following teaching methods?

		2018-19	2019-20
a.	Interactive lecture method using blackboard, Group discussions, Problem solving, Seminars	13	13
b.	Use ICT methods to support lectures.	13	13

3) Does the Department have Peer review processes? If yes, are the suggestions effectively used to improve the teaching quality?

- Yes, the department has effective student feedback system at the end of every semester. The analysis of this feedback is used to improve teaching quality.
- Yes. A mentor is assigned for each course. The mentor conducts meeting to guide and take review of the peer before and during the conduction of the course. The suggestions given by the mentor are implemented by the mentee to improve the teaching quality.

4) Does the department have any mechanism to ensure that entire syllabus is Completed?

- Yes, the department implements the Academic monitoring system where the completion of syllabus is checked by the Mentor.

5) Do you offer Bridge/Remedial courses? If yes, Give details.

Sr. No	Name	Year	No. of students attended	Contact person name
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1	Sessions on “Industry Personal Interaction for Final year students “ 1) Writing and presenting CV for Industry Interview 2) Preparation of Technologies for Product Based Companies. 3) Preparing and presenting Project	2018-19	63	Mr. MaharudraGite (Global VSMIT, Pune) : Mr.AmolAher (Kasnet Pune) Mr.AtulDhigude (Independent Consultant,Pune)
2	2 Day Workshop on “Neural Networks and Deep Learning”	2018-19	137	Mr.MandarSonawane,Mr.Pravin and Mr.Tanvish,KrantiDyanamics ,Pune.

6) What is the method for conducting internal evaluation?

- Unit Test I: It is conducted on Unit 1 and 2. The exam is conducted for SE, TE and BE students before INSEM examination of SPPU for TE & BE / Online Examination for SE, SPPU.
- Assignment 1: Oral exam on Unit 3 is conducted.
- Unit Test II: This exam is conducted after INSEM Exam .It is conducted on Unit 4 and 5.
- Assignment 2: Oral exam on Unit 6 is conducted.
- Practical Courses: Mock practical are conducted before University Practical. Also continuous progressive assessments are done through viva voce, presentation, report submission and laboratory quiz, etc.
- Various co-curricular activities: In this component, home assignments, tutorials, problem solving, group discussions, quiz etc. are conducted and evaluated regularly.

48. Teacher Performance:

- 1) Whether the performance of the teacher assessed by the students? If yes, are the feedback reports analysed and suggestions communicated to teachers?
 - Yes, A proper record of collected feedback is maintained and analysed Further for necessary actions.
- 2) Number of teacher’s remarks from students.

Sr. No	Academic year	Semester	Excellent	Good	Satisfactory	Average
1	2018-19	SEM-I	14	1	-	-
		SEM-II	13	1	-	-

- 3) Whether suggestion boxes are kept in the department to get suggestions from Students on infrastructural facilities available in the department?
- Yes
- 4) Are the suggestions received from students used for improvement of Facilities?
- Yes
- 5) Do teachers submit Self-Appraisal Reports? Are these reports appraised by HOD and forwarded to the university with comments?
- Yes
- 6) What is the individual faculty wise h index?

Sr. No	Name of faculty	h-index
1	Prof. D. D. Pukale	-
2	Prof. P. D. Kale	-
3	Prof. Dr. S. P. Kadam	2
4	Prof. S. B. Jadhav	2
5	Prof. A. P. Kadam	-
6	Prof. V. D Kulkarni	2
7	Prof. K. S. Warke	-
8	Prof. K. S. Sawant	-
9	Prof. N. I. Dalvi	-
10	Prof. J. D. Jadhav	1
11	Prof. K.D. Yesugade	3



12	Prof. S. A. Pawar	5
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7) Give details of “beyond syllabus scholarly activities” of the department.

Sr. No	Academic Year	Class	Name of Activity
1	2018-19	BE	Seminar on "Research paper Publication"
		SE & TE	Seminar on “Introduction to Arduino and Node MCU”
		SE	Seminar on “ Python Language”
		SE & TE	Seminar on “An opportunity for Students and get to know about global entrepreneur better”
2	2019-20	SE, TE	Seminar on “ Red Hat Certification”
		BE	Seminar on “Open Source Technologies”

49. List the distinguished alumni of the department (maximum 10)

Sr.No.	Name of Alumni	Distinguishing Details	Pass out Year
1.	Sharayu Suryawanshi	1. Launched a start-up “Creactiveb” where services are provided to small businesses in various sectors such as Website development, desktop applications and mobile App development and logo designing.	2018-19
2.	Swaranjali Raskar		2018-19

3.	Ms. Sfurti Sahare	1.Own motivational/ Corporate Training Company 2.She Published book "Think and win like Dhoni". 3.Winner of Amazon most popular self-help book 4.Winner of young authors award 2018 at Dubai	2011-12
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50. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

Academic Year 2018-19

Sr. No	Date	Type of Event	Name of Activity	Name and Address of resource person	Contact Details	Organized for
1	11/7/2018 to 14/7/2018	Workshop	Workshop on "C & C++ programming Language"	Tushar B. Kute Resercher, ME (CSE) MITU Skillologies, Pune	9860668565	SE
2	17/7/2018 to 18/7/2018	Workshop	Workshop on "Android Application Development"	Mr. Pradeep Narayankar Professional Trainer, PHP Technology Pvt. Ltd, Pune	7798799891	TE
3	26/7/2018	Seminar	Seminar on "Research paper Publication"	Mr. Jaykumar Mane Managing Director JSM Infotech, Pune	9767423804	BE



4	6/9/2018	Seminar	Activity on "Technical Quiz Competition" Seminar on GATE & Aptitude Preparation	Mr. Akshay Harkare Centre Manager ICE Gate Institute, FC road, Pune	7276610008	SE & TE
5	6/9/2018	Seminar	Seminar on "Higher Studies"	Mr. Chiranjit Mallik Senior Executive The Chopras Group, Pune.	9765499291	TE
6	10/1/2019	Seminar	Seminar on a "life skill practices"	Rashmin Pulekar, Faculty- The art of living, TEDx Speaker	9223497776	SE & BE
7	3/1/2019	Seminar	Seminar on "coding's"	Ankur Kumar, Founder of Codings 9	9971306758	TE & SE
8	16/01/2019	Seminar	Seminar on "Introduction to Arduino and Node MCU"	Prof. Rajshri Mahajan, Director Dolphin Labs, Pune	9763714869	SE & TE
9	17/01/2019	Seminar	Seminar on "New Technology"	Mr. Pradip Narayankar, Director, PHP Technology, Pune	9975559466	TE
10	6/2/2019 & 7/2/2019	Seminar	Seminar on "Enhancing the Technical Skills"	Mr. Saudagar Barde, CEO, eHidde n Brain PVT.LTD	7769974262	SE & TE

11	8/2/2019	Seminar	Seminar on "An opportunity for Students and get to know about global entrepreneur better"	Stemy Tomy,Vice Presedent Outgoing global entrepreneur ,AIESEC,Pune	982381813 2	SE & TE
12	28/2/2019	Seminar	Seminar on "Python Language"	Mr. Narendra Kapare Director Abstarct IT & Engg Solution Pvt.Ltd	904930112 2	SE
13	12/07/2018	Seminar	Seminar on "Cross Platform Mobile Application Development"	Mr. Manish Kumar Singh, ATS Learning Solutions, New Delhi.	971787023 2	SE,TE
14	12/07/2018	Seminar	Seminar on "How to prepare for core product and service base companies"	Mr. Amol Aher, Kasnet, Pune.	869883311 0	BE
15	22/9/2018	Seminar	Seminar on "Artificial Intelligence and Big Data"	Mr.Pramod Patil, Ms. VarshaDhumal, Algoanalytics Pune.	997532883 1	TE,BE

Academic Year 2019-20 (CESA)



Sr. No	Date	Type of Event	Name of Activity	Name and Address of resource person	Contact Details	Organized for
1	17/07/2019	Seminar	Seminar on "Higher studies opportunity at aboard"	Mr. Omkar Kargar Manager Deepali Khairnar. Sr. Councillor for USA. Rahul Kamble Executive. IDP Education, Pune	7028628608	BE
2	18/07/2019	Seminar	Seminar on "Introduction to Python Programming"	Mrs. Chaitali Jadhav Developer & Java Trainer L & D Infotech, Pune		SE
3	18/07/2019	Seminar	Seminar on "Introduction to core JAVA"	Mr. Yogesh Murumkar Python Trainer L & D Infotech, Pune		SE
4	27/07/2019	Seminar	Seminar on "Engineering is Awesome"	Mr. Raghavan Koli Motivational speaker	7767839187	SE & TE
5	01-08-2019	Seminar	Seminar on "Higher education opportunities aboard"	Mr. Chiranjit Mallik Analyst The Chopras, Pune		TE
6	03-08-2019	Workshop	Workshop on "Python Programming"	Mr. Atul Wadkar Director Alogithmic Electronics, Pune	9049301122	TE
7	03-08-2019	Seminar	Seminar on "Introduction to sales force student journey, India"	Mrs. Payal Mittal Chief Developer Aethereus, Pune		TE
8	08-08-2019	Seminar	Seminar on "Personality	Mr. Parth Shukla Corporate Trainer	9599587014	SE

			Development"	Microsoft Academy, Pune		
9	08-08-2019	Seminar	Seminar on "Project Development & Process"	Mr.Rahul Ahire Corporate Trainer Linkcode Technologies, Pune	9604430489	TE
10	09-08-2019	Seminar	Seminar on " Preparation for GATE Exam"		Mr.Amulya Ratan Wani Institute ,Pune	TE
11	09-08-2019	Seminar	Seminar on "Python Programming"	Mr. Parth Shukla Corporate Trainer 9Ledge Pro(Microsoft Authorized Education Partner), Pune	9599587014	TE
12	17/09/2019, 18/09/2019 and 07/10/2019	Worksho p	3 Days workshop on Python Programming	Mr. Parth Shukla Corporate Trainer, 9Ledge Pro(Microsoft Authorized Education Partner), Pune	9599587014	SE & TE
13	01-10-2019	Worksho p	1 Day workshop on " Personality Development"	Mrs. Prajakta Gaikwad, Corporate Trainer, 9Ledge Pro(Microsoft Authorised Education Partner), Pune		SE & TE
14	25/09/2019	Seminar	Seminar on "Internship opportunities via acadflip app"	Mr. saudagar Barde CEO Pixafli Technologies Pvt. Ltd, Pune	7769974262	SE
15	25/09/2019	Seminar	Seminar on	Dr.Shriram Joshi		TE



			"Preparation for MBA"	Director & Mentor T.I.M.E. Pune		
16	01-10-2019	Seminar	Seminar on "Preparation for MPSC exam"	Mr.Nilesh Kondhalkar Director Unique Academy , Pune	nileshrk@h otmail.com	TE
17	09-01-2020	Seminar	Seminar on "Placements in Japan"	Mr.Trivikram Lahoati Director Yash Overseas	9503105671	SE
18	16/01/2020	Seminar	Seminar on " Soft skill orientation"	Mr. Rishikesh Shetye Director O2 Breathing Brains	9172221773	TE
19	16/01/2020	Seminar	Seminar on " Career opportunities after GATE"	Mr. Mayur Jadhav The GATE Academy Pvt Ltd.	7769044455	TE
20	20/01/2020	Seminar	Seminar on " Global Diversity CFP Day	Miss. Namrata More GirlScript Pune Chapter Lead, Chief Product Officer Miss. Harshada Kshirsagar App Consult Engineer, Microsoft India.	9739970004	TE
21	29/01/2020	Seminar	Seminar on "Aptitude Preparation"	Mr.Devraj Shinde Client Relation Manager ETHNUS Consultancy Service	6362910073	TE
22	26/02/20	Seminar	Seminar on "German as a foreign language"	Mr.Aditi More Director of Aim Institute of Foreign , Pune	7020380657	SE

Academic Year 2019-20 (CSI)

Sr. No	Date	Type of Event	Name of Activity	Name and Address of resource person	Contact Details	Organized for
1	11th July 2019	Seminar	Red Hat Certification	Ms. Amrin , Red Hat Academy		SE,TE
2	11th July 2019	Seminar	Open Source Technologies	Ms. Shivani, Red Hat Academy		BE
3	23rd and 24th May 2020	Quiz	Java Servlet Quiz Competition	Prof. S.B.Jadhav,BVCOEW	9049989091	TE,BE

51. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The attainments levels are determined by direct (student performance) and indirect (surveys) assessment methods.

Direct Assessment:

Process for Direct Assessment Method is as follows:

Course Outcome (CO) Attainment:

- Attainment level is measured in terms of student performance in internal examinations with respect to Course Outcomes of a course and university examinations.
- Target is stated as the average marks in the corresponding examination for last three years.
- Attainment levels are defined as follows:
Level 0: Less than 50% of students scoring more than set target marks.
Level 1: 50% of students scoring more than set target marks.
Level 2: 60% of students scoring more than set target marks.
Level 3: 70% of students scoring more than set target marks.
- Attainment is measured in terms of actual percentage of students getting set percentage of marks.
- CO attainment is calculated by assigning 60% weightage to university examination and 40% weightage to internal assessment.

Program Outcome (PO) and Program Specific Outcome (PSO) Attainment:

- A particular PO/PSO is mapped to all COs of a course by considering correlation levels 1, 2 and 3 as defined below:
1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)
- Direct attainment level of PO and PSO is determined by considering all courses and hence CO attainment addressing that PO/PSO.

Indirect Assessment

Process for Indirect Assessment Method is as follows:

- Surveys such as Exit survey, Alumni survey, External examiner survey, Project examiner survey, Question paper survey, Employer survey and Parent survey are considered in the indirect method, which contributes to the attainment of POs and PSOs.
- These give an idea about the strengths and weaknesses of program, thus providing a basis for revision of Pos and PSOs.

Overall PO/PSO Attainment

- PO/PSO attainment level is based on attainment levels of direct assessment and indirect assessment.
- PO/PSO attainment level is determined by assigning 75% weightage to direct assessment and 25% weightage to indirect assessment.

52. Highlight the Special facilities (if, any) of the Department.

- Wi-Fi facility to Teachers, Students.
- Departmental Library.
- Lecture Monitoring System (LMS) is used at college level
- ICT based facilities are used by all the faculties. The syllabus related content is uploaded on the ICT portal of the college.
- Department has young and highly motivated faculties with good academic experience
- Department has excellent student to teacher ratio as per AICTE norms.
- Lecture Capturing System (LCS) is available
- Student can avail lab facility before and after college
- Remedial lecture/ practical are conducted for slow learners and failure students.
- Certified courses related to basic and current technologies are provided for students
- Seminars on GATE, GRE preparation for higher studies are organized through CESA

53. Highlight the unique features of the department.

- Provide exposure to the student by continuous interaction with experienced alumna.
- The laboratories are well equipped with the latest configuration machines, high speed internet, Wi-Fi facility and legal licensed software

- Modern aids such as LCD projector, Educational CDs are used for classroom teaching
- Robust networking facilities to support FE & SE online SPPU examination.
- Excellent academic performance and achievements of our students are recognized by various multinational companies such as Microsoft, Accenture, TCS, Wipro, Zensar, Tech Mahindra etc. and recruit our students during campus placements with attractive salary packages.
- Emphasis is given on hands on experience by conducting Industrial visits to I-Medita, VSNL.. Dhirubhai Ambani Knowledge City, Ispat, BSNL, Reliance and BARC.
- Information Technology Students Association (ITech SA) plays an important role in developing personality among the students by conducting various activities such as guest lectures by experts on personality development, soft skills, aptitude test preparation, career guidance etc.
- Department encourages staff members for quality improvement programmes including participation in various national & international conferences, workshops, seminars, short term training programs and faculty development programs.
- Department arranges Industry Institute Interaction programs to enhance employability. Department library provides facilities for reference books, University question paper bank, seminar reports and project reports.

54. State the Innovative practices adopted in the department.

Teaching innovation is the process of coming up with new ideas, theories, collaboration and solutions that can be shared in the classroom. Components of innovation are creative, diverse, collaborative, and perceptive learning. Creative efforts are followed by the teacher to bring out the innovation in the classroom. Experienced faculties have come out from the traditional way of teaching and learning (chalk & talk) and adopted innovative and creative approaches. Innovative methods used are as follows:

- **E-learning** :In order to implement flipped classroom activities, faculty members have created courses on Google Classroom, Myexamo, and WordPress. These platforms offer a vast array of e-learning resources at various cognitive levels, including multiple choice question quizzes, assignments, practical write-ups, question banks, animations, and video lectures. Additionally, they provide numerous avenues for student interaction, such as discussion forums and chat forums.
- **Interactive learning**: Faculty have designed quizzes & crossword puzzles to test progress of students. Faculty facilitate methodologies such as group interactions and role plays among the students to make learning interactive. Faculty members show animations, videos, 3D models in classrooms, pose a question to visualize and



think on the topic. Students can pair and share their answers. Faculty design quizzes with use of Google form for MCQ questions and share score cards, aim of this activity is to evaluate students' understanding of the topic.

- **Problem based learning:** Faculty poses critical questions and conducts brainstorming sessions to develop their own logic & enlist the possible outcomes. The students undergo hands-on training for the latest software technology. Students work in groups to carry out mini projects for various subjects and Final year projects. Students take Seminar topics as per their interest and carry out work under the guidance of Faculty on the latest topic.
- **Cooperative learning:** Faculty encourage students to prepare and participate in paper presentation, project exhibitions, industrial visits, internships etc. For some of the courses students are instructed to prepare their write ups / Journals, charts in groups through the reference books. Mock interviews are conducted for third year Computer students by final year students placed through campus placement.
- **Project based learning:** Faculty from the Computer department guides students to explore and provide solutions for various real time problems. Project based learning is started from First year till Final year projects. Students design and develop projects based on current issues in the field of security, bio-medical, agriculture, etc using the latest tools, remote sensing and image processing.

55. Highlight the participation of students and faculty in extension activities.

1.	Avhan pre-selection at SP college
2.	Avhan Disaster State Level Camp
3.	Gad Samvardhan Camp
4.	University level Environment Camp
5.	Life Skill Workshop
6.	Yoga Day Celebration
7.	Pre-warkari Mitra Activity
8.	Warkari Mitra Activity
9.	Post Warkari Mitra Activity
10.	Nirmal Wari at Faltan
11.	Tree Plantation
12.	Bookmark Making
13.	Guru Pournima Celebration
14.	Hum Fit To India Fit Practice
15.	Oath Taking
16.	Organ Donation Awareness
17.	Final shooting of Hum Fit To India Fit
18.	Independence Day At College
19.	Independence day at SPPU
20.	Orientation Preparation
21.	NSS Orientation
22.	Rakshabandhan Celebration
23.	Pre SRD/NRD Parade Selection
24.	SRD/NRD University level selection

25.	Teacher's Day
26.	Inauguration of Samarth Bharat Abhiyan
27.	Cleanliness Drive
28.	Swachh Pune Abhiyan
29.	NAAC Preparation (Arranging records)
30.	Frame Making
31.	Flash mob (Bharati Vidyapeeth's ground)
32.	Kerala Donation
33.	Corridor Gardening
34.	NAAC Visit(Claps, Parade)
35.	NAAC Visit(Dance)
36.	NAAC Committee Visit To NSS Office
37.	Visit to Historical Place-Karla Caves
38.	Gandhi Jayanti
39.	Blood Donation
40.	Camp Visit
41.	Camp Visit
42.	Visit to Munot Vidyalaya
43.	Street play at Munot Vidyalaya
44.	Visit to Munot Vidyalaya
45.	New Year Celebration at Bharati Hospital
46.	Visit to Khopi
47.	Visit to Dolphin lab
48.	State level trek camp to Ratangad
49.	Committee Meeting
50.	Morning prayer Preparation
51.	Science Model making
52.	Regular Meeting
53.	Poster making for camp
54.	Awareness on animal abuse
55.	Drama Preparation
56.	Street play Preparation
57.	Presentation Topic Distribution
58.	Nirdhar Vahtuk Shisticha
59.	Republic Day Preparation
60.	World Cancer Day
61.	Essay competition at SP College
62.	Shivdaan at Khopi
63.	Shivjayanti
64.	Marathi Bhasa Diwas
65.	Women's Day Celebration
66.	Visit to NDRF
67.	Industrial Visits
68.	Short Term Course on Cloud Computing.
69.	Seminars and Workshops under CESA, CSI, FSAI



56. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

a. Strengths:

1. Student centric process (Guardian Faculty Member, Mentor).
2. Conducive working and Learning leading to faculty and staff retention
3. Good Infrastructure Facility with well-equipped laboratories and classrooms.
4. Encouraging environment for students and faculty for participating in technical and social activities.
5. Effective academic monitoring leads improvement in student performance.
6. Co-curricular activities like NSS, student's association lead to overall development of students.
7. Improved aptitude and communication skill of students.

b. Weakness:

1. Lack of consultancy project.
2. Improvement in aptitude and communication skill of students.
3. Less research publication in Scopus or web of science citation.
4. MoUs with institute need to be improved.

c. Opportunity:

1. Promoting industrial training to staff.
2. Contribution in conducting Faculty Development Programme. Short Term Training Programme, Conference
3. Increase external funding for projects, FDP's, and conferences through various funding agencies.
4. Conduction of value added technical certifications for the students.
5. Promoting interdisciplinary projects.
6. Better quality publication with peer reviewed journals

d. Challenges:

1. Promoting consultancy, sponsored project And MOUs from industry.
2. Centre of excellence for latest industrial technology.
3. Training the major hub of students coming from rural background.

57. Future plans of the department:

a. Long term plans-

1. Foreign language programme.

2. Continuous efforts for enhancing employability of students.

3. Encouraging staff members for Research and Patent filing

b. Short term plans-

1. Improve Industry institute interaction through student internships project, corporate social responsibility activities.
2. Capacity building programmes for staff to be conducted to improve teaching learning process.
3. Understand Information & communication technologies various tools & resources to upgrade teaching process.
4. Research proposals to get grants from AICTE/ SPPU etc.
5. Interaction with alumni to understand & create professional environment among students which will help in capacity building
6. Conduction of value addition programme for technical up gradation of students & making them employable.
7. To encourage students to appear for GATE/GRE and opt for higher studies,
8. To organize special sessions for students on Personality Development.
9. To improve Industry Institute Interaction to increase internships and placements.

Declaration by the Head of the Department/Institution:

I am aware that the above information provided by the department will be validated by the AAA committee during the visit.

Signature

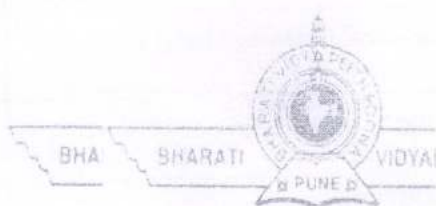
Signature
HEAD
Head of Department
Computer Engg. Department
BV's College of Engineering
for Women, Pune-411043.

Date:



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Signature
I/C PRINCIPAL
Bharati Vidyapeeth's
College of Engineering for Women
Pune-Satara Road, Pune-411043.



**Bharati Vidyapeeth's College of Engineering for Women,
Dhankawadi, Pune-411043**

Date: 12/02/2020

**INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF
THE DEPARTMENT
Year – 2020-2021**

(Provide information for last three years from 2017-18, 2018-19, 19-20)

1. Name of the Department: **Information Technology**
2. Year of establishment: 2000
3. Courses offered: UG

Year	UG
2017-18	60
2018-19	60
2019-20	60

4. Courses introduced during last 3 years:

Sr. No.	Name of Subject	Subject Code	Date of Introduction
1	Information and Cyber Security	414453	15/06/2018
2	Machine Learning & Applications	414454	15/06/2018
3	Software Design and Modelling	414455	15/06/2018
4	Elective I: Usability Engineering	414456	15/06/2018
5	Elective II: Software Testing and Quality Assurance	414458	15/06/2018



6	Audit Course - V (Statistical Learning Model Using R)	414461D	15/06/2018
7	Audit Course - V (Statistical Learning Model Using R)	414461D	15/06/2018
8	Distributed Computing Systems	414462	15/06/2018
9	UBIQUITOUS COMPUTING	414463	15/06/2018
10	E-III Internet of Things	414464A	15/06/2018
11	Elective IV: Social Media Analytics	414465	15/06/2018
12	Audit Course - VI (IoT - Application in Engineering Field.)	414469A	15/06/2018

5. Does the department have Academic flexibility? If yes since when?

Yes. The department offers choice-based elective subjects to final year students since A.Y. 2004.

6. Interdisciplinary programs offered and departments involved:

Nil

7. Courses conducted in collaboration with other universities and Institutions.

Sr. No.	Course Name	Collaborating Organization	Duration	A.Y.
1	Cross Platform with Mobile App Development	ATS Infotech Pvt. Ltd., Pune	3 Days Workshop	2018-19
2	C Programming	Link-Code Technologies	3 Days Workshop	2018-19
3	Workshop on Website Development and Hosting	PCM Cloudtech (OPC) Pvt. Ltd.	1 Day Workshop	2018-19
4	Website Development	PCM CloudTech (OPC) Pvt. Ltd.	1 Day Competition	2018-19
5	Career and Technical Knowledge from IT Perspective	KasNet Technologies Pvt. Ltd., Narhe Industrial Estate, Narhe, Pune -411041.	1 Hr. Technical Session	2018-19
6	Java	KasNet Technologies Pvt. Ltd., Narhe Industrial Estate, Narhe, Pune - 411041.	1 Hr. Technical Quiz	2018-19

7	IoT Applications in Engineering Field	QJ Technologies, Pune	30 Hrs Audit Course	2018-19
8	Introduction to Python Programming	QJ Technologies, Pune	1 Hr. Technical Session	2018-19
9	Python Programming	QJ Technologies, Pune	Two Days Workshop	2018-19
10	Python Programming	QJ Technologies, Pune	2 Hrs. Technical Quiz	2018-19
11	Website Development using Wordpress	PCM CloudTech (OPC) Pvt. Ltd.	2 Days Workshop	2019-20
12	Website Theme Customization using Wordpress	PCM CloudTech (OPC) Pvt. Ltd.	1 Day Workshop	2019-20
13	Website Development	PCM CloudTech (OPC) Pvt. Ltd.	1 Day Competition	2019-20

8. Details of programs discontinued, if any, with reasons:

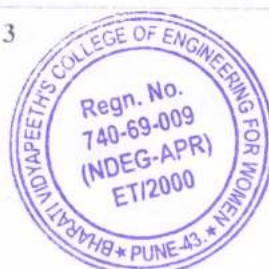
Nil

9. Examination System: Annual/ Semester/Choice Based Credit System/ Credit and Grading system/ any other system, specify:

Credit and Grading System for S.E. T.E. and B.E. students.

10. Participation of the department in the curriculum development for courses offered by the Departments.

Sr. No.	Name of the Faculty	Curriculum Development Details	Academic Year
1	Prof. Dr. D. A. Godse	Syllabus Revision of SE (Information Technology) 2019-Course, Subject- LDCO, LDCOLab and CG.	2019-20
2	S. B. Dhuttargi	Syllabus Revision of SE (Information Technology) 2019-Course, Subject- DSA	2019-20
3	M. A. Rane	Syllabus Revision of SE (Information Technology) 2019-Course, Subject- CGLab	2019-20
4	S. A. Sagar	Syllabus Revision of SE (Information Technology) 2019-Course, Subject- LDCOLab and PA and PSDLab	2019-20



5	S. A. Hadke	Syllabus Revision of SE (Information Technology) 2019-Course, Subject- SE	2019-20
6	A.V. Kanade	Syllabus Revision of SE (Information Technology) 2019-Course, Subject- DBMS and DBMS Lab	2019-20
7	N. A. Mulla	Syllabus Revision of SE (Information Technology) 2019-Course, Subject- OOP and OOP Lab	2019-20

11. Does the department have different syllabus than the one used by university for UG and PG courses?

The Institute is affiliated to SPPU and follows the syllabus as prescribed by the University.

12. Number of teaching posts sanctioned, filled, and vacant.

Designation	Sanctioned	Filled	Filled under CAS
Professor	01	01	-
Associate Professor	02	01	-
Assistant Professor	06	09	-
Total	09	11	-

13. Faculty profile with name, qualification, designation, experience, nature of appointment (confirmed/probation/temporary):

a) A.Y. 2019-20

Name of Staff	Designation	Qualifications	Teaching / Research Experience	Nature of appointment
Prof. Dr. D. A. Godse	Professor	Ph.D. (Comp. Engg.)	28 years, 3 months	Confirmed
Prof. K. B. Naik	Associate Professor	Ph.D. (Pursuing)	18 years, 5 months	Confirmed
Prof. S. B. Dhuttargi	Assistant Professor	M.E. (Comp.)	21 years, 6 months	Confirmed

Prof. M. A. Rane	Assistant Professor	M.Tech. (Comp.)	14 years, 4 months	Confirmed
Prof. S. A. Sagar	Assistant Professor	M.E. (Comp)	14 years	Confirmed
Prof. S. A. Hadke	Assistant Professor	M.E. (IT)	14 years, 4 months	Confirmed
Prof. A. D. Khairkar	Assistant Professor	M.Tech. (Comp.)	12 years, 5 months	Confirmed
Prof. A. V. Kanade	Assistant Professor	M.Tech. (IT)	12 years, 5 months	Confirmed
Prof. S. S. Thite	Assistant Professor	Ph.D (Pursuing)	11 years, 5 months	Confirmed
Prof. N. A. Mulla	Assistant Professor	Ph.D (Pursuing)	11 years, 1 month	Confirmed
Prof. K. V. Patil	Assistant Professor	M.Tech. (Comp)	4 year	Confirmed

a) Appointed from University Fund.

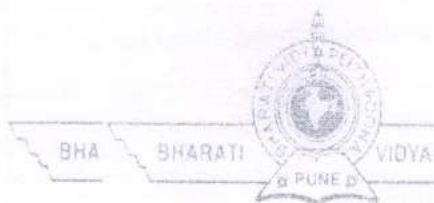
Name of Staff	Designation	Qualifications	Teaching / Research Experience	Nature of appointment
Nil	Nil	Nil	Nil	Nil

14. List of Visiting Fellows/Teachers, Adjunct and Emeritus Professors, (for last 3 years).

Sr. No.	Name of Faculty	Status of Faculty	A.Y
1	Nil	Nil	2017-18 (SemI)
2	Ms. Anagha Kadve	Visiting	2017-18 (SemII)
3	Nil	Nil	2018-19 (SemI)
4	Nil	Nil	2018-19 (SemII)
5	Ms. Priyanka Wadgave	Visiting	2019-20 (SemI)
6	Ms. Priyanka Wadgave	Visiting	2019-20 (SemII)

15. Percentage of classes taken by temporary/visiting faculty (programme-wise information).





**Bharati Vidyapeeth's College of Engineering for Women,
Dhankawadi, Pune-411043**

Date: 12/02/2020

**INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF
THE DEPARTMENT
Year – 2020-2021**

(Provide information for last three years from 2017-18, 2018-19, 19-20)

1. Name of the Department: **Information Technology**
2. Year of establishment: 2000
3. Courses offered: UG

Year	UG
2017-18	60
2018-19	60
2019-20	60

4. Courses introduced during last 3 years:

Sr. No.	Name of Subject	Subject Code	Date of Introduction
1	Information and Cyber Security	414453	15/06/2018
2	Machine Learning & Applications	414454	15/06/2018
3	Software Design and Modelling	414455	15/06/2018
4	Elective I: Usability Engineering	414456	15/06/2018
5	Elective II: Software Testing and Quality Assurance	414458	15/06/2018



Sr. No.	Percentage of Lectures delivered	Percentage of practical classes handled	A.Y
1	0	0	2017-18 Sem I
2	2.11	2.11	2017-18 Sem II
3	0	0	2018-19 Sem I
4	0	0	2018-19 Sem II
5	3.97	6.81	2019-20 Sem I
6	2.95	3.94	2019-20 Sem II

16. Programme-wise Student -Teacher Ratio:

A.Y.	Student Teacher Ratio
2017-18	19:1
2018-19	20:1
2019-20	20:1

17. Number of academic support staff (technical) and administrative staff sanctioned, filled and vacant

Sr.No.	Posts	Sanctioned posts	Filled
1	Laboratory Assistant	-	02
2	Clerk (office)	-	01
3	Laboratory Attendant	-	-
4	Peon	-	01
5	Other	-	-

18. Thrust areas of research as identified by the department:

Cloud Computing, Image Processing, Networking, Big Data, IoT

19. Information about research grants, projects completed and ongoing during the period of last 2 years

a) From National funding agencies (like UGC, CSIR, DST, DBT etc):

Sr. No.	Name of the Principal Investigator (Co-investigator)	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in Rs.)
1	Nil (2017-18)	Nil	Nil	Nil
2	Ms. Nilofar A. Mulla (2018-19) Sanctioned	Automatic generation of test cases with classification of generic test cases in agile	IQAC, SPPU, Pune	Rs. 2,50,000/-
3	Ms. Nilofar A. Mulla (2019-21)	Automatic generation of test cases with classification of generic test cases in agile	IQAC, SPPU, Pune	Rs. 2,50,000/-

a) From International funding agencies:
Nil

20. Funds received at Departmental level through DST-FIST; CSIR, UGC-SAP/CAS, DAE, DBT, BRNS, ICSSR, AICTE, etc
Nil

21. Research facilities available in the department and recognition received, if any?
Digital Library (Online Access to National/International Journal, Proceedings)

22. Special research laboratories sponsored by / created by industry or corporate bodies.
Nil

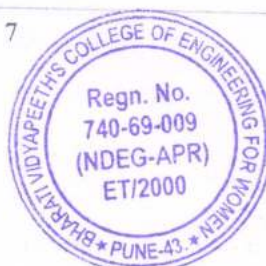
23. Publications:
Refer Annexure -I

24. Details of patents filed & granted and income generated:
Nil

25. Consultancy services provided, name of the teacher/s and income generated:
Nil

26. Details of teachers invited as resource persons for Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.

Sr. No.	Year	Name of the Teacher	Title of the Program	Date	Duration
1	2017-18	Prof. Dr. D. A. Godse	Chief Guest for "Avishkar-III" Science Exhibition cum Competition	23/11/2017	1 day
2	2018-19	Prof. Dr. D. A. Godse	Resource Person for	22/02/2019	1 day



			conducting guest lecture on "Computer Graphics", for Second year Information Technology students.		
3	2018-19	Prof. S. S. Thite	Resource Person for FDP on "Revised BE IT (2015 Pattern) Syllabus Orientation -Semester I" .Subject: Usability Engineering	14/06/2018	1 day
4	2019-20	Prof. M. A. Rane	Resource Person for Conduction of "Campus Recruitment Training Program on Joy of Programming"	13/9/2019 to 14/9/2019	2 days
5	2019-20	Prof. M. A. Rane	Resource Person for Conduction of "Industry Readiness Session on Joy of Programming	19/9/2019	1 day
6	2019-20	Prof. M. A. Rane	Resource Person for "Cyber Security and Cyber Crime" Seminar	21/12/2019	1 day
7	2019-20	Prof. M. A. Rane	Resource Person for Technical Training Workshop on "Joy of Programming".(Shivaji University Level)	4/3/2020 to 6/3/2020	2 days
8	2019-20	Prof. N. A. Mulla	Resource Person in Online Faculty Orientation Program on the new curriculum of SE IT (2019 Course) for the subject " Object Oriented Programming & Object Oriented Programming Laboratory"	26/06/2019	1 day

27. Details of teachers participated in Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.(participant, presented paper, chaired the session)

Year	Sr. No.	Name of Teacher who attended	Title of the Professional Development Program	Dates (from-to)	Duration
2017-18	1	Prof. Dr. D. A. Godse	FDP (FDP101x) on "Foundation Program in ICT for Education" conducted by Indian Institute of Technology Bombay.	3/08/2017 to 7/09/2017	36 days
	2		FDP (FDP201x) on "Pedagogy for Online and Blended Teaching-Learning Process" conducted by Indian Institute of Technology Bombay.	14/09/2017 to 12/10/2017	29 days
	3	Prof. K.B.Naik	FDP (FDP101x) on "Foundation Program in ICT for Education" conducted by Indian Institute of Technology Bombay.	3/08/2017 to 7/09/2017	36 days
	4		FDP (FDP201x) on "Pedagogy for Online and Blended Teaching-Learning Process" conducted by Indian Institute of Technology Bombay.	14/09/2017 to 12/10/2017	29 days
	5		Workshop on "Website Management"	5/01/2018	1 day
	6	Prof S.B. Dhuttargi	FDP (FDP101x) on "Foundation Program in ICT for Education" conducted by Indian Institute of Technology	3/08/2017 to 7/09/2017	36 days



			Bombay.		
	7		FDP (FDP201x) on "Pedagogy for Online and Blended Teaching-Learning Process" conducted by Indian Institute of Technology Bombay.	14/09/2017 to 12/10/2017	29 days
	8		FDP workshop on "TE IT 2015 SEMESTER II- Syllabus Orientation" Subject: Project Based Seminar.	6/12/2017	1 day
	9		Workshop on "SPPU BE IT Syllabus Revision (2015 Course)"	3/02/2018	1 day
	10		Workshop on "Celebration of Women in Computing"	24/02/2018	1 day
	11		FDP (FDP101x) on "Foundation Program in ICT for Education" conducted by Indian Institute of Technology Bombay.	3/08/2017 to 7/09/2017	36 days
	12	Prof. M. A. Rane	FDP on IOT & Data Privacy	24/08/2017	1 day
	13		FDP (FDP201x) on "Pedagogy for Online and Blended Teaching-Learning Process" conducted by Indian Institute of Technology Bombay.	14/09/2017 to 12/10/2017	29 days

	14		FDP workshop on "TE IT 2015 SEMESTER II- Syllabus Orientation" Subject: DAA & SLV.	6 /12/2017	1 day
	15		Workshop on "Celebration of Women in Computing"	24 /02/2018	1 day
	16		FDP of "TE IT 2015 Course(Semester I) Theory and Laboratory Crouse Condition"	13 /06/2017	1 day
	17	Prof. S. A. Sagar	FDP (FDP101x) on "Foundation Program in ICT for Education" conducted by Indian Institute of Technology Bombay.	3/08/2017 to 7/092017	36 days
	18	Prof.S.A.Hadke	FDP of "TE IT 2015 Course(Semester I) Theory and Laboratory Course Condition"	13 /06/2017	1 day
	19		FDP (FDP101x) on "Foundation Program in ICT for Education" conducted by Indian Institute of Technology Bombay.	3/08/2017 to 7/092017	36 days
	20		FDP (FDP201x) on "Pedagogy for Online and Blended Teaching-Learning Process" conducted by Indian Institute of Technology Bombay.	14/09/2017 to 12 /10/2017	29 days



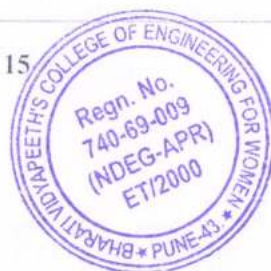
	28	Prof. S. S. Thite	FDP workshop on "TE IT 2015 SEMESTER II- Syllabus Orientation" Subject: CNT & SL IV.	6 /12/2017	1 day
	29		FDP workshop on "Software Laboratory-IV" (Computer Network Technology)	2 /01/2018 to 3 /01/2018	2 days
	30		FDP (FDP101x) on "Foundation Program in ICT for Education" conducted by Indian Institute of Technology Bombay.	3/08/2017 to 7/092017	36 days
	31		FDP on IOT & Data Privacy	24 /08/2017	1 day
	32	Prof. N.A.Mulla	FDP (FDP201x) on "Pedagogy for Online and Blended Teaching-Learning Process" conducted by Indian Institute of Technology Bombay.	14/09/2017 to 12 /10/2017	29 days
	33		FDP workshop on "TE IT 2015 SEMESTER II- Syllabus Orientation" Subject: DS & BDA & SLIV.	6 /12/2017	1 day
	34	Prof. K.V.Patil	FDP of "TE IT 2015 Course(Semester I) Theory and Laboratory Course Condition"	13 /06/2017	1 day



	35		Workshop on "Website Management"	5/01/ 2018	1 day
	36		FDP on "Data Science and Machine Intelligence"	15 /02/2018 to 16/02/2018	2 days

Year	Sr. No.	Name of Teacher who attended	Title of the Professional Development Program	Dates (from-to)	Duration
2018-19	1	Prof. Dr. D. A. Godse	Workshop on "Introduction to Life Skills Education"	12/6/2018 to 13/6/2018	2 days
	2		Workshop on "Examination Reforms"	1/02/19	1 day
	3		STTP through ICT mode on NBA Accreditation organized by NITTTR, Kolkata.	22/04/19 to 26/04/19	5 days
	4	Prof. K. B. Naik	Workshop on "Introduction to Life Skills Education"	12/6/2018 to 13/6/2018	2 days
	5		FDP on "Revised BE IT (2015 Pattern) Syllabus Orientation - Semester I" ,Subject: Software Design and Modeling(SDM)	14/6/2018	1 day

	6		Online Certification Course "Python For Devops".	10/11/2018 to 23/12/2018	14 days
	7		Workshop on "AWS Academy Educators Meet 2019" Organized by ICT academy.	26/03/19	1 day
	8		Workshop on "Introduction to Life Skills Education"	12/6/2018- 13/6/2018	2 days
	9		Syllabus Orientation Workshop BE-IT (2015 Course), Semester-II	28/12/2018	1 day
	10	Prof. S.B. Dhuttargi	Syllabus Orientation Workshop on "Computer Laboratory - IX"	17/1/2019	1 day
	11		NPTEL online certification course "Problem solving through programming in C"(12weeks course)	28/01/19 to 19/04/19	82 days
	12		Workshop on "Introduction to Life Skills Education"	12/6/2018 to 13/6/2018	2 days
	13	Prof. M. A. Rane	FDP on "Revised BE IT (2015 Pattern) Syllabus Orientation - Semester I" Subject: Information and Cyber Security & CL VII	14/6/2018	1 day



	14		Online Certification Course "CS213x:Algorithms"	13/3/2018 to 18/12/2018	290 days
	15		Workshop for "NSS Program Officer" under Saksham Yuva Samarth Bharat Abhiyan	23/2/2019 to 24/2/2019	2 days
	16		FDP on "Cyber Security and data Sciences"	5/3/2019 to 11/3/2019	7 days
	17		NPTEL online certification course "Programming, data structures and algorithms using Python"(8weeks course)	28/01/19 to 31/03/19	63 days
	18	Prof. S. A. Sagar	Workshop on "Introduction to Life Skills Education"	12/6/2018 to 13/6/2018	2 days
	19		Workshop (State level) on "Machine Learning using Python- Statistical Approach"	21/12/2018 to 22/12/2018	2 days
	20		NPTEL online certification course "Foundation to Computer System Design"(12weeks course)	28/01/19 to 27/04/19	90 days

21	Prof.S. A. Hadke	Workshop on "Introduction to Life Skills Education"	12/6/2018 to 13/6/2018	2 days
22		FDP on "Android for Ubiquitous Computing"	10/12/2018 to 14/12/2018	5 days
23		Syllabus Orientation Workshop BE-IT (2015 Course), Semester-II	28/12/2018	1 day
24	Prof. A. D. Khairkar	FDP on "Revised BE IT (2015 Pattern) Syllabus Orientation – Semester I" Subject: Machine Learning and Applications & CL VII	14/6/2018	1 day
25		FDP on "Android for Ubiquitous Computing"	10/12/2018 to 14/12/2018	5 days
26	Prof. A. V. Kanade	Workshop on "Introduction to Life Skills Education"	12/6/2018 to 13/6/2018	2 days
27		Workshop (State level) on "Machine Learning using Python- Statistical Approach"	21/12/2018 to 22/12/2018	2 days



	28	Prof. S. S. Thite	Workshop on "Introduction to Life Skills Education"	12/6/2018 to 13/6/2018	2 days
	29		STTP on "Thrust Areas in Computer Science and Engineering"	14/6/2018 to 16/6/2018	3 days
	30		NPTEL online certification course "Introduction to Internet of Things"(12weeks course)	28/01/19 to 19/04/19	82 days
	31	Prof. N. A. Mulla	Workshop on "Introduction to Life Skills Education"	12/6/2018 to 13/6/2018	2 days
	32		FDP on "Revised BE IT (2015 Pattern) Syllabus Orientation - Semester I", Subject: Software Testing and Quality Assurance (STQA)	14/6/2018	1 day
	33		Workshop on "Image Processing and Cloud Computing for IOT Application"	1/11/2018 to 2/11/2018	2 days
	34		Syllabus Orientation Workshop BE-IT (2015 Course), Semester-II	28/12/2018	1 day

	35		NPTEL online certification course "Programming in C++"(8weeks course)	28/01/19 to 31/03/19	63 days
	36		STTP through ICT mode on NBA Accreditation organized by NITTTR, Kolkata.	22/04/19 to 26/04/19	5 day
	37	Prof. K. V. Patil	Workshop on "Introduction to Life Skills Education"	12/6/2018 to 13/6/2018	2 days
	38		FDP on "Ethical Hacking and Security"	3/12/2018 to 5/12/2018	3 days
	39		Syllabus Orientation Workshop BE-IT (2015 Course),Semester-II	28/12/2018	1 day
	40		NPTEL online certification course "Privacy and security in online social media"(12weeks course)	28/01/19 to 31/04/19	93 days



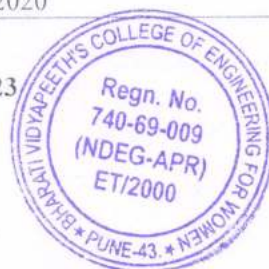
Year	Sr. No.	Name of Teacher who attended	Title of the Professional Development Program	Dates (from-to)	Duration
2019-2020	1	Prof. Dr. D. A. Godse	1. Workshop on "Syllabus Revision of SE (Information Technology) (2019-Course)"	13 th January 2020	1 day
	2		2. Participated in NES Innovation Awards for project titled: AUTOMATED ROAD TRAFFIC ANOMALY DETECTION	16 th February 2020	1 day
	3		3. Workshop on "Syllabus Revision of SE (Information Technology) (2019-Course)"	20 th February 2020	1 day
	4		4. COVID-19 Pandemic General Quiz 2020	1 st May 2020	1 day
	5		5. FDP on "Python Programming (Online)"	4 th May 2020	6 days
				to	
				9 th May 2020	
	6		6. One Week Online FDP on "LATEX"	11 th May 2020	5 days
				to	
				15 th May 2020	
	7		7. BVCOEW- "WhatsAppKa Boss" Quiz Competition 2020	13 th May 2020	1 day
	8		8. Webinar on "NAAC Systematic Data Organization and Presentation"	16 th May 2020	1 day
	9		9. Online Workshop "Academic Book Writing & Related Topic"	18 th May 2020	1 day

10		10. Online "NBA Quiz Series"	18 th May 2020 to 23 rd May 2020	6 days
11		11. FDP on "Drupal"(Online)	18 th May 2020 to 23 rd May 2020	6 days
12		12. Webinar on "Intellectual Property Rights"	30 th May 2020	1 day
13		13. FDP on "Workflow Automation Through Microsoft teams" (Online)	9 th June 2020	1 day
14		14. Webinar on "Assessment of Pre Final Year Engineering Students"	13 th June 2020	1 day
15		15. Online Faculty Orientation Programme on the new curriculum of SE IT (2019 Course) for the subject "Logic Design and Computer Organization, Logic Design and Computer Organization Laboratory"	30 th June 2020	1 day
16	Prof. K. B. Naik	1.FDP on "Workflow Automation Through Microsoft Teams" (Online)	9 th June 2020	1 day
17		2.FDP on "Python Programming"	4 th May 2020 to 9 th May 2020	6 days
18		3. FDP on "Latex"(Online)	11 th May 2020 to 15 th May 2020	5 days
19		4.BVCOEW "WhatsApp Boss Quiz Competiton"	13 th May 2020	1 day
20		5."NAAC: Systematic Data Organization and Presentation",	16 th May 2020	1 day



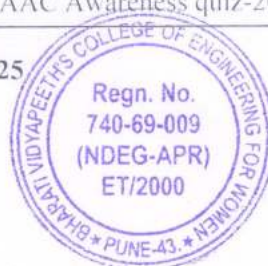
	21		6.NBA Quiz Series	18 th May 2020 to 23 rd May 2020	6 days
	22		7.Online FDP on Drupal	18 th May 2020 to 23 rd May 2020	6 days
	23		8.Quiz on Operating System	19 th May 2020	1 day
	24		9.Webinar on Intellectual Property Rights	30 th May 2020	1 day
	25		10. Online Faculty Orientation Programme on the new curriculum of SE IT (2019 Course) for the subject "Logic Design and Computer Organization, Logic Design and Computer Organization Laboratory	30 th June 2020	1 day
	26	Prof S.B. Dhuttargi	1.ACM India Workshop on Assessment	28 th June 2019	1 day
	27		2. FDP on "Data Science" organized by Faculty Development Center in Cyber Security and Data Sciences, Shivaji University, Kolhapur and conducted by FDC PMMNMTT.	2 nd December 2019 to 7 th December 2019	6 days
	28		3. Workshop on "Syllabus Revision of SE(Information Technology) (2019-Course)"	13 th January 2020	1 day
	29		4. Workshop on "Syllabus Revision of SE (Information Technology) (2019-Course)"	20 th February 2020	1 day
	30		5. COVID- 19 Pandemic General Quiz 2020	1 st May 2020	1 day
	31		6. FDP on " Python Programming" (Online)	4 th May 2020	6 days

				to 9 th May 2020	
	32		7. FDP on "Latex"(Online)	11 th May 2020 to 15 th May 2020	5 days
	33		8. BVCOEW- WhatsAppKa Boss Quiz Competition 2020	14 th May 2020	1 day
	34		9. Webinar on "NAAC- Systematic Data Organization and Presentation"	16 th May 2020	1 day
	35		10. NBA Quiz Series (Online)	18 th May 2020 to 23 rd May 2020	6 days
	36		11. FDP on "Drupal"(Online)	18 th May 2020 to 23 rd May 2020	6 days
	37		12. Webinar on "Intellectual Property Rights"	30 th May 2020	1 day
	38		13. FDP on "Workflow Automation Through Microsoft Teams" (Online)	9 th June 2020	1 day
	39		14. FOP on "Data Structures and Algorithms" (Theory and Laboratory)	27 th June 2020	1 day
	40	Prof. M. A. Rane	1. Two days workshop "Alandi-Dehute Pandharpur varimargavaril Apatti Vyavasthapan" by NSS SPPU	13 th June 2019 and 14 th June 2019	2 days
	41		2. ACM India Workshop on Assessment	28 th June 2019	1 day
	42		3. AICTE-ISTE Approved 1 week STTP on "Blockchain and it's Application"	9 th December 2019 to 14 th December 2019	6 days
	43		4. Workshop on "Syllabus Revision of SE (Information Technology) (2019-Course)"	20 th February 2020	1 day
	44		5. Google Kick Start Coding Competition, Round A (Online)	22 nd March 2020	1 day
	45		6. COVID-19 Pandemic General Quiz 2020	1 st May 2020	1 day



46	7. FDP on " Python "Programming (Online)	4 th May 2020 to 9 th May 2020	6 days
47	8. FDP on "Latex"(Online)	11 th May 2020 To 15 th May 2020	5 days
48	9. BVCOEW- WhatsAppKa Boss Quiz Competition 2020	14 th May 2020	1 day
49	10. Google Kick Start Coding Competition, Round C (Online)	17 th May 2020	1 day
50	11. NBA Quiz Series (Online)	18 th May 2020 to 23 rd May 2020	6 days
51	12. FDP on "Drupal"(Online)	18 th May 2020 to 23 rd May 2020	6 days
52	13. Online Quiz on IOT	19 th May 2020	1 day
53	14. Online Quiz on C	19 th May 2020	1 day
54	15. Online Quiz on Advanced Data Structures	19 th May 2020	1 day
55	16. Quiz on "OPERATING SYSTEM"	19 th May 2020	1 day
56	17. Webinar on Intellectual Property Rights	30 th May 2020	1 day
57	18. FDP on "Workflow Automation Through Microsoft teams" (Online)	9 th June 2020	1 day
58	19. Online Quiz on C Programming	11 th June 2020	1 day
59	20. FOP on Discrete Mathematics SE(IT) 2019 pattern	29 th June 2020	1 day

60	Prof. S. A. Sagar	1.State Level workshop on "Blockchain Technology"	18 th December 2019 to 19 th December 2019	2 days
61		2. Workshop on "Syllabus Revision of SE (Information Technology) (2019-Course)"	20 th February 2020	1 day
62		3. COVID-19 Pandemic General Quiz 2020	1 st May 2020	1 day
63		4. FDP on "Python Programming (Online)"	4 th May 2020 to 9 th May 2020	6 days
64		5. FDP on "Latex"(Online)	11 th May 2020 to 15 th May 2020	5 days
65		6. BVCOEW- WhatsAppKa Boss Quiz Competition 2020	14 th May 2020	1 day
66		7. Online quiz on C and Python Programming	18 th May 2020	1 day
67		8. Online quiz on Awareness program on Machine learning Basics	18 th May 2020	1 day
68		9. "WORLD TELECOMMUNICATION DAY QUIZ"	18 th May 2020	1 day
69		10. FDP on "Drupal"(Online)	18 th May 2020 to 23 rd May 2020	6 days
70		11. NBA Quiz Series (Online)	18 th May 2020 to 23 rd May 2020	6 days
71		12. NAAC Awareness quiz-2020	19 th May 2020	1 day



72		13. Online Quiz on IOT	19 th May 2020	1 day
73		14. Quiz on "OPERATING SYSTEM"	19 th May 2020	1 day
74		15. DBMS Quiz competition	20 th May 2020	1 day
75		16. Quiz on Computer Network	20 th May 2020	1 day
76		17. Quiz on Python Basics	20 th May 2020	1 day
77		18. Quiz on Advanced Data Structure	26 th May 2020	1 day
78		19. One Week Online Faculty Development Program on Signal, Image & Video Processing: A Practical Approach (SIVPAPA-2020) under Technical Education Quality Improvement Program (TEQIP-III)	26 th May 2020 to 30 th May 2020	5 days
80		20. Quiz on Internet of Things	27 th May 2020	1 day
81		21. Online Quiz on Computer Network and Cloud Computing	27 th May 2020	1 day
82		22. Quiz on Test Your Brain	28 th May 2020	1 day
83		23. Webinar on Intellectual Property Rights	30 th May 2020	1 day
84		24. FDP on "Workflow Automation Through Microsoft teams" (Online)	9 th June 2020	1 day
85		25. Online Faculty Orientation Programme on the new curriculum of SE IT (2019 Course) for the subject "Logic Design and Computer Organization, Logic Design and Computer Organization Laboratory	30 th June 2020	1 day
87	Prof.S. A. Hadke	1. FDP on "Data Science" organized by Faculty Development Center in Cyber Security and Data Sciences, Shivaji University, Kolhapur and conducted by FDC PMMMNMTT.	2 nd December 2019 to 7 th December 2019	6 days
88		2. SE IT Syllabus revision discussion of Software Engineering (Information	6 th February 2020	1 day

		Technology) (2019-Course)		
89		3.Participated in NES Innovation Awards for project titled: CAR ANTI-THEFT SYSTEM THROUGH FACE RECOGNITION USING GPS & GSM MODULE	16 th February 2020	1 day
90		4.Participated in NPTEL Online Certification Course on "Introduction to Internet of Things" (12 week course)	27 th January 2020 to 25 th April 2020	3 Months
91		5. COVID-19 Pandemic General Quiz 2020	1 st May 2020	1 day
92		6. BVCOEW- "WhatsAppKa Boss" Quiz Competition 2020	14 th May 2020	1 day
93		7. FDP on "Python Programming (Online)"	4 th May 2020 to 9 th May 2020	6 days
94		8.One Week Online FDP on "LATEX"	11 th May 2020 to 15 th May 2020	5 days
95		9. Webinar on "NAAC Systmatic Data Organization and Presentation"	16 th May 2020	1 day
96		10. Quiz on "IOT"	18 th May 2020	1 day
97		11. Online "NBA Quiz Series"	18 th May 2020 to 23 rd May 2020	6 days
98		12.One Week Online FDP on "Drupal"	18 th May 2020 to 23 rd May 2020	6 days
99		13. Online Quiz on "Machine Learning"	20 th May 2020	1 day



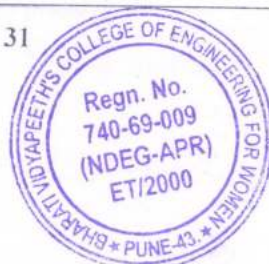
	100		14. Webinar on "Hadoop Ecosystem-Tools & Technologies"	22 nd May 2020 and 23 rd May 2020	2 days
	101		15. Online Quiz on "Computer Network & Cloud Computing"	26 th May 2020	1 day
	102		16. Quiz on "R Programming"	29 th May 2020	1 day
	103		17. Webinar on "Importance of Corporate Contents & Technical Certifications for Placements"	29 th May 2020	1 day
	104		18. Webinar on "Intellectual Property Rights"	30 th May 2020	1 day
	105		19. National Level Quiz on "Teaching Methodology"	31 st May 2020	1 day
	106		20. National Quiz on "Cyber Security"	2 nd June 2020	1 day
	107		21. Quiz on "Python Programming"	4 th June 2020	1 day
	108		22. Five Days FDP on "Cloud Computing using AWS"	3 rd June 2020 to 7 th June 2020	5 days
	109		23. National Quiz on "Machine Learning"	7 th June 2020	1 day
	110		24. Online Quiz on "Software Testing & Quality Assurance"	8 th June 2020	1 day
	111		25. FDP on "Workflow Automation Through Microsoft teams" (Online)	9 th June 2020	1 day
	112		26. Webinar on "Blockchain Technology"	9 th June 2020	1 day
	113		27. Webinar on "Intellectual Property Rights: Problem Identification & Proposal Writing"	16 th June 2020	1 day
	114		28. Online FOP on DSA and DSAL SE IT (2019 Course)	27 th June 2020	1 day
	115	Prof. A. D. Khairkar	1. Participated in NES Innovation Awards for project titled: COLT: THE CODE SERIES GAME	16 th February 2020	1 day
	116		2. FDP on "Python Programming (Online)"	4 th May 2020 to 9 th May 2020	6 days
	117		3. COVID-19 Pandemic General Quiz 2020	13 th May 2020	1 day

118		4. FDP on "Drupal" (Online)	18 th May 2020 to 23 rd May 2020	6 days
119		5. BVCOEW- WhatsAppKa Boss Quiz Competition 2020	14 th May 2020	1 day
120		6. Online Quiz on Python Programming	13 th May 2020	1 day
121		7."NAAC: Systematic Data Organization and Presentation"	16 th May 2020	1 day
122		8. NBA Quiz Series (Online)	18 th May 2020 to 23 rd May 2020	6 days
123		9. Webinar on Intellectual Property Rights	30 th May 2020	1 day
124		10. FDP on "Workflow Automation Through Microsoft teams" (Online)	9 th June 2020	1 day
125	Prof. A.V. Kanade	1. State Level workshop on "Block chain Technology"	18 th December 2019 to 19 th December 2019	6 days
126		2.Participated in NES Innovation Awards for project titled: LIFE SAVER-THE E-BLOOD DONATION APP	16 th February 2020	1 day
127		3. Workshop on "Syllabus Revision of SE(Information Technology) (2019-Course)"	20 th February 2020	1 day
128		4. COVID-19 Pandemic General Quiz 2020	3 rd May 2020	1 day
129		5. FDP on "Python Programming (Online)"	4 th May 2020 to 9 th May 2020	6 days
130		6. FDP on "Latex"(Online)	11 th May 2020 to 15 th May 2020	5 days
131		7. Workshop on Data Science Using Python	11 th May 2020 to 15 th May 2020	5 days
132		8. Online Quiz on Python Programming	13 th May 2020	1 day



133		9. BVCOEW- WhatsAppKa Boss Quiz Competition 2020	14 th May 2020	1 day
134		10. Online Quiz on IOT	18 th May 2020	1 day
135		11. FDP on "Drupal"(Online)	18 th May 2020 to 23 rd May 2020	6 days
136		12. NBA Quiz Series (Online)	18 th May 2020 to 23 rd May 2020	6 days
137		13. Online Quiz Competition on Research Methodology	20 th May 2020	1 day
138		14. Quiz on Test Your Brain	28 th May 2020	1 day
139		15. Webinar on Intellectual Property Rights	30 th May 2020	1 day
140		16. FDP on "Workflow Automation Through Microsoft teams" (Online)	9 th June 2020	1 day
141		17. National Webinar on How to write and publish papers in web of science & scopus indexed journals effectively and efficiently using typeset research studio	22 nd June 2020	1 day
142	Prof. S. S. Thite	1.Participated in NES Innovation Awards for project titled: PUNEMETRO CROWD DISTRIBUTION	16 th February 2020	1 day
143		2. FDP on "Python Programming (Online)	4 th May 2020 to 9 th May 2020	6 days
144		3. FDP on "Latex"(Online)	11 th May 2020 to 15 th May 2020	5 days
145		4. FDP on "Drupal" (Online)	18 th May 2020 * to 23 rd May 2020	6 days
146		5. NBA Quiz Series (Online)	18 th May 2020 to 23 rd May 2020	6 days
147		6. "NAAC: Systematic Data Organization and Presentation"	16 th May 2020	1 day
148		7. Webinar on "Intellectual Property Rights"	30 th May 2020	1 day

	149		8. FDP on "Workflow Automation Through Microsoft teams" (Online)	9 th June 2020	1 day
	150		9. One Week FDP on Research Opportunities In Advanced Manufacturing Processes (Online)	22 th June 2020 to 28 th June 2020	7 days
	151		10. One Week STTP on Recent project development practices in IT industry (Online)	26 th June 2020 to 30 th June 2020	5 days
	152		11. Online Faculty Orientation Programme on the new curriculum of SE IT (2019 Course) for the subject "Logic Design and Computer Organization, Logic Design and Computer Organization Laboratory	30 th June 2020	1 day
	153	Prof. N. A. Mulla	1. Workshop on "Syllabus Revision of SE (Information Technology) (2019-Course)"	20 th February 2020	1 day
	154		2. FDP on "Python Programming" (Online)	4 th May 2020 to 9 th May 2020	6 days
			3. Webinar on "NAAC-Systematic Data Organization and Presentation"	16 th May 2020	1 day
	155		4. NBA Quiz Series (Online)	18 th May 2020 to 23 rd May 2020	6 days
	156		5. FDP on "Workflow Automation Through Microsoft Teams" (Online)	9 th June 2020	1 day
			6. FOP on "Object Oriented Programming" (Theory and Laboratory)	27 th June 2020	1 day
	157		7. COVID-19 Pandemic General Quiz 2020	2 nd May 2020	1 day
	158		8. BVCOEW- WhatsAppKa Boss Quiz Competition 2020	14 th May 2020	1 day
			9. Webinar on Intellectual	30 th May 2020	1 day



		Property Rights		
159		10. One Week Online Faculty Development Programme on Effective Proposal Writing for Research and Funding	13 th May 2020 to 18 th May 2020	6 days
160		11. Advanced Cpp Training by the Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India	27 th April 2020 to 1 st May 2020	5 days
161	Prof. K. V. Patil	1. One Week STTP Program on "Machine Learning And Data Analytics"	10 th December 2019 to 14 th December 2019	6 days
162		2.COVID-19 Pandemic General Quiz 2020	3 rd May 2020	1 day
163		3.FDP on " Python Programming" (Online)	4 th May 2020 to 9 th May 2020	6 days
164		4.BVCOEW- WhatsAppKa Boss Quiz Competition 2020	13 th May 2020	1 day
165		5.Webinar on "NAAC- Systematic Data Organization and Presentation	16 th May 2020	1 day
166		6.NBA Quiz Series (Online)	18 th May 2020 to 23 rd May 2020	6 days
167		7.Webinar on Industrial Product Development Using Agile and Scrum framework	23 rd May 2020	1 day
168		8..FDP on "Workflow Automation Through Microsoft Teams" (Online)	9 th *June 2020	1 day
169		9. State Level One Day Online Faculty Training Workshop on "Effective Ways of Online Teaching".	12 th June 2020	1 day
170		10.Webinar on Data Science and Machine learning with cloud deployment	18 th June 2020	1 day
171		11.Webinar on Employability in Current situation	19 th June 2020	1 day

172		12. One Week FDP on Research Opportunities In Advanced Manufacturing Processes (Online)	22 nd June 2020 to 28 th June 2020	7 days
173		13. One Week online STTP on Recent project development practices in IT industry	26 th June 2020 to 30 th June 2020	5 days
174		14. Online Faculty Orientation Programme on the new curriculum of SE IT (2019 Course) for the subject "Logic Design and Computer Organization, Logic Design and Computer Organization Laboratory	30 th June 2020	1 day

28. Participation of teachers in various academic activities as members of committees at University level, State level, National level, International level bodies. (give details)

University Level

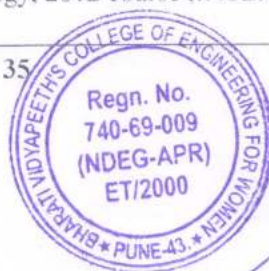
Academic Year	Name of the staff member	Name of the body in which full time teacher participated	Total no. of Teachers
2017-18	Prof. K. B. Naik	Chairman for Operating System, 2015 course, TEIT(Sem I) End-Sem	11
	Prof. K. B. Naik	External Senior Supervisor for May 2017 Exam at Sinhgad Technical Education Society Sinhgad Academy of Engg. Kondhwa, Pune.	
	Prof. K. B. Naik	Paper Setter for Object Oriented Modeling Design, 2008 course, BE IT	
	Prof. K. B. Naik	Chairman for Operating System, 2015 course, TEIT (Sem I) End-Sem	
	Prof S.B. Dhuttargi	Syllabus revision workshop for 2015 Course, BE IT at MMCOE.	



	Prof S.B. Dhuttargi	Paper Setter for Data Structures Files 2015 course, Online verification of invalid questions, Phase I, SE IT(Sem II)	
	Prof. S. S. Thite	Paper Setter for Elective-I, Usability Engineering ,2012Pattern ,End-Sem, BE IT(Sem I)	
	Prof. S. S. Thite	Paper Setter for Elective-I, Usability Engineering ,2012Pattern ,In-Sem, BE IT(Sem I)	

Academic Year	Name of the staff member	Name of the body in which full time teacher participated	Total no. of Teachers
2018-19	Prof. Dr. D. A. Godse	Staff Selection Committee member for the post of Assistant Professor/Associate Professor / Professor / Librarian/Physical Director.	11
	Prof. K. B. Naik	Paper Setter for Web Engineering and Technology, 2012 course ,End-Sem, TE IT	
	Prof. K. B. Naik	Chairman for Operating System, 2015 course, TEIT, In-Sem	
	Prof. K. B. Naik	Chairman for Operating System, 2015 course, TEIT,End-Sem	
	Prof S. B. Dhuttargi	Paper Setter for Distributed Computing System, 2015 course, End-Sem,BE IT	
	Prof S .B. Dhuttargi	Paper Setter for Data Structure and Files,S.Y. B.Tech. (Course code:22173)	
	Prof. M. A. Rane	Chairman for Computer Graphics Laboratory , 2015 course, SE IT(Sem II)	

	Prof. M. A. Rane	Paper Setter for Design and Analysis of Algorithm, 2015 course ,In-Sem, TE IT	
	Prof. M. A. Rane	Paper Setter for Design and Analysis of Algorithm, 2012 course ,End-Sem, TE IT	
	Prof.S. A. Hadke	Paper Setter for Web Engineering and Technology, 2012 course ,End-Sem, TE IT	
	Prof. S. S. Thite	Paper Setter for Elective-I, Usability Engineering ,2012 Pattern ,In-Sem, BE IT (Sem I)	
	Prof. S. S. Thite	Paper Setter & Chairman for Elective-I, Usability Engineering ,2015 Pattern ,In-Sem, BE IT(Sem I)	
	Prof. S. S. Thite	Paper Setter for Elective-I, Usability Engineering ,2012 Pattern ,End-Sem, BE IT (Sem I)	
	Prof. S. S. Thite	Paper Setter & Chairman for Elective-I, Usability Engineering ,2015 Pattern ,End-Sem, BE IT (Sem I)	
	Prof. S. S. Thite	Paper Setter for Elective-I, Usability Engineering ,2012 Pattern ,End-Sem, BE IT (Sem I)	
	Prof. S. S. Thite	Paper Setter & Chairman for Elective-I, Usability Engineering ,2015 Pattern ,End-Sem, BE IT (Sem I)	
Academic Year	Name of the staff member	Name of the body in which full time teacher participated	Total no. of Teachers
2019-20	Prof. K. B. Naik	Paper Setter for Web Engineering and Technology, 2012 course ,INSEM, TE IT	



		Paper Setter for Machine Learning ,2015 course , ENDSEM, BE IT(SEM-I)	
		Paper Setter for Operating System, 2015 course, ENDSEM, TE IT(SEM-I)	
		Chairman for Distributed System, 2015 course, ENDSEM, BEIT(SEM-II)	
		Paper Setter for Machine Learning & Applications ,2015 course , ENDSEM, BE IT(SEM-I)	
	Prof. M. A. Rane	Paper Setter for Discrete Structures, 2015 course ,SEM I, SE IT	
		Paper Setter for Discrete Structures, 2015 course, SEM II, SE IT	
		Chairman for Computer Graphics Lab, 2015 course, SEIT, Nov-2019	
	Prof. S. S. Thite	Paper Setter for Elective-I, Usability Engineering ,2015 Pattern ,INSEM, BE IT (Sem I)	
		Paper Setter for Elective-I, Usability Engineering ,2012 Pattern , ENDSEM, BE IT(Sem I)	

29. Details of teachers appointed/nominated on Editorial Boards at university, state, national and international levels.

Sr. No.	Name of Staff Member	Activity Details	Academic Year
1	Prof. Dr. D. A. Godse	Peer Reviewer for International Conference "ICCBUA-2017" held at PCCOE, Pune.	2017-18
2	Prof. K. B. Naik	Reviewer for IEEE "Internet of Things" Journal	2018-19

30. Awards / Prizes and recognitions received by teachers at university, state, national and international level:

Sr. No.	Name of Staff Member	Name of Award	Academic Year
1	Prof. Dr. D. A. Godse	Certificate of Excellence Faculty Development Programmes (FDPs) on "Foundation Program in ICT for Education" (FDP101x) and "Pedagogy for Online and Blended Teaching-Learning Process" (FDP201x) conducted by Indian Institute of Technology Bombay. They are amongst the top 241 performers from a total of 5308 participants in the programme.	2017-18
2	Prof S.B. Dhuttargi		
3	Prof. S.A.Hadke		
4	Prof. N.A.Mulla		

31. Awards and Prizes received by students at university, state, national and international level:

2017-18

Sr. No.	Name of Student	Name of Activity	Recognition/ Award	Date	Organized By
1	Prachiti Thorat	Certified Yoga Instructor	Top 10 (1 st class with distinction	10/05/2018	SPPU
2	Pooja Veer	National Level Intercollegiate General Knowledge Test 2018	Consolation	30/01/2018	Bharati Vidyapeeth Yashwantrao Mohite College of Arts, Science and Commerce, Erandwane, Pune
3	Namrata Chaudhari	National pre-republic day parade state level selection camp	Participated in District level and University level parade	16/08/2017 01/09/2017	National NSS Regional Directorate, Pune, Ministry of youth affairs and sports, Govt of India and Dept of Higher and Technical Education

2018-19



2018-19

Sr. No.	Name of Student	Name of Activity	Recognition/Award	Date	Organized By
1	Dhumal Nikita	Lila Poonawalla Foundation Scholarship	Received Amount Rs.50,000/-	2018-19	Lila Poonawalla Foundation
2	Aditi Dahiwadkar	National Conference on RITSI 2019(Published in IJRAT)	Best Paper Award	27/02/2019	D.Y. Patil College of Engineering Akurdi, Pune
3	Hrutuja Gaddam				
4	Vaibhavi Zende				
5	Aditi Dahiwadkar	NES Innovation Awards	3 rd Prize (Tropies, Certificate & Rs.20000/-)	23/03/2019	NES innovation Awards, 2018-19
6	Hrutuja Gaddam				
7	Vaibhavi Zende				
8	Afiya Sayyed	Project Competition	2 nd Prize- 2000/-	26/03/19	Bharati vidya peeth university of engineering, katraj, pune.
9	Gauri Darekar				
10	Jayshri Jaiswal				
11	Shruti Khandagale				

12	Afiya Sayyed	Project Competition (GIZMOS)	Best Concept 500/-	27/03/19	BVCOEW
13	Gauri Darekar				
14	Jayshri Jaiswal				
15	Shruti Khandagale				
16	Osheen Bhat	Project Competition (GIZMOS)	3 rd Prize 500/-	27/03/19	BVCOEW
17	Megha Raina				
18	Shital patil				
19	Sonali	Project Competition (GIZMOS)	2 nd Prize 500/-	27/03/19	BVCOEW
20	Tejasvi Bhat				
21	Sanskriti Paliwal				
22	Aditi Dahiwadkar	Project Competition (GIZMOS)	Best Implementation	27/03/19	BVCOEW
23	Hrutuja Gaddam				
24	Vaibhavi Zende				
25	Gayatri Paradkar	Project Competition	3 rd Prize	27/03/19	BVCOEW



26	Ashwini Rajurkar	(GIZMOS)	500/-		
27	Sneha Shetty	Lila Poonawalla Foundation Scholarship	Received Amount Rs.35,000/-	4/11/2017	Lila Poonawalla Foundation
28	Jagtap Rutuja	Lila Poonawalla Foundation Scholarship	Received Amount Rs.40,000/-	1/12/2018	Lila Poonawalla Foundation
29	Harshita Garge	Open Mic competition	1 st position	31/01/2019	MIT WPU Pune
30	Harshita Garge	Open mic event	220 rs as a token of recognition	09/02/2019	Onenest studios, Kharghar, Mumbai
31	Shweta Malge	Inter college volleyball competition	2 nd position	24/02/2019	Cummins college of engineering, Pune.
32	Shweta Malge	Inter college volleyball competition	1 st position	17/03/2019	VIIT college of engineering, Pune.
33	Pooja Veer	National Level Intercollegiate General Knowledge Test	Consolation	30/02/2018	Bharati Vidyapeeth Yashwantrao Mohite College of Arts, Science and Commerce, Erandwane, Pune
34	Jagtap Rutuja	Lila Poonawalla Foundation Scholarship	Received Amount Rs.40,000/-	2018-19	Lila Poonawalla Foundation

35	Sneha Shetty	Lila Poonawalla Foundation Scholarship	Received Amount Rs.35,000/-	2018-19	Lila Poonawalla Foundation
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A.Y. 2019-20

Sr. No.	Name of Student	Name of Activity	Recognition/Award	Date	Organized By
1	Dhumal Nikita	Lila Poonawalla Foundation Scholarship	Received Amount Rs.50,000/-	2019-20	Lila Poonawalla Foundation
2	Jagtap Rutuja	Lila Poonawalla Foundation Scholarship	Received Amount Rs.40,000/-	2019-20	Lila Poonawalla Foundation
3	Sneha Shetty	Lila Poonawalla Foundation Scholarship	Received Amount Rs.35,000/-	2019-20	Lila Poonawalla Foundation
4	Vaishali Hampalle	AICTE Chhatra Vishwakarma Award 2019	Qualified for Regional Round-West Zone	20/12/2019	AICTE Headquarters, New Delhi
5	Sayali Fulpagar				
6	Poushali Guhathakurta				
7	Devita Miittal				
8	Priya Ghosh	Third Year Information Technology May 2019 Result	Secured 9th Rank, in Savitribai Phule Pune University	May 2019	Savitribai Phule Pune University



9	Meenakshi Sinha	E-SUMMIT 2020	Internship offer of Prayogik Technologies and Internship offer of Hundred Plus	01/02/2020 to 02/02/2020	AICTE, E-Cell and IIT Bombay
10	Maria Rashid	E-SUMMIT 2020	Internship offer of Prayogik Technologies	01/02/2020 to 02/02/2020	AICTE, E-Cell and IIT Bombay
11	Vaishnavi Bhutada	GATE 2020 (CS)	Secured all India rank 2400 with GATE Score 570	GATE 2020	IIT, Delhi
12	Jadhav Kshitija Chandrahas	NES Innovation Awards 2020	Winner at 3 rd position, received amount Rs. 15000/-	24/07/2020	Natarajan Education Society
13	Jagtap Abhilasha Dadasaheb				
14	Kolte Tejal Sanjay				
15	Kshirsagar Varsha Popat				
16	Vaishali Gawade	2019 Cummins Scholarship Program	Received Amount Rs.10545/-	2019-20	Cummins India Limited
17	Anuja Bhosale	Lila Poonawalla Foundation Scholarship	Received Amount Rs. 45000/-	2019-20	Lila Poonawalla Foundation
18	Sakshi Berad	Lila Poonawalla Foundation Scholarship	Received Amount Rs. 40000/-	2019-20	Lila Poonawalla Foundation
19	Divya Varpe	Lila Poonawalla Foundation Scholarship	Received Amount Rs. 45000/-	2019-20	Lila Poonawalla Foundation
20	Jagtap Rutuja	National Level Intercollegiate General Knowledge Test 2020	First position	7 th Jan, 2020	Bharati Vidyapeeth, Yashwantrao Mohite College of Arts,

					Science and Commerce, Erandwane, Pune
21	Veer Pooja	National Level Intercollegiate General Knowledge Test 2020	First position	7 th Jan, 2020	Bharati Vidyapeeth, Yashwantrao Mohite College of Arts, Science and Commerce, Erandwane, Pune

32. Details of Seminars/ Conferences/Workshops organized at university, state, national and international level and the source of funding with details:

Name of Conference/ Seminars / Workshops	Funding agency	No. of Participants	University / State / National / International	Dates
Stress Management and Fitness through Yoga (2017-18)	QIP, SPPU	84	National	16 th and 17 th January, 2018
Nil(2018-19)	Nil	Nil	Nil	Nil
Nil(2019-20)	Nil	Nil	Nil	Nil
Faculty Orientation Programme on the new curriculum of SE IT (2019 Course) for the subject Logic Design and Computer Organization, Logic Design and Computer Organization Laboratory (2020-21)	Nil	75	University	30th June 2020

33. Student profile programme-wise at UG and PG

UG/PG	Applications Received	No. of students Admitted	Seats Available	Female	Academic Year
BE (IT)	Not applicable since the admission	57	60	57	2017-18



	process is as per DTE norms.	41	60	41	2018-19
		48	60	48	2019-20

34. Year-wise results of students at UG and PG:

UG/PG	Year	Appeared	Passed	Pass %	Grade %			
					O	A	B	C
BE(IT)	2017-18	64	62	96.86%	38	22	02	00
BE(IT)	2018-19	69	69	100%	30	30	09	00
BE(IT)	2019-20	82	81	98.78%	35	35	11	00

35. Information about M. Phil. programme:
NA

36. Information about Ph. D. programme :
NA

37. Number of students awarded M.Phil., Ph.D ,Degree :
NA

38. Diversity of Students : (Year-wise)
UG

Academic Year	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2017-18	50.87% (29)	35.09% (20)	14.04% (08)	00
2018-19	63.41% (26)	26.89% (11)	9.76% (04)	00
2019-20	56.25%(27)	39.58% (19)	4.16% (02)	00

39. Number of students cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give Category wise data.

Year	MPSC / UPSC	NET / SET	GATE	Other Exams	Total
2018-19	-	-	1	-	-
2019-20	-	-	-	2	2

40. Student progression/ placement record: Number/ percentage of students proceeded for higher studies
Number/percentage of students placed:

Year	% proceeded for higher studies		% of students placed
	UG to PG	PG to Ph.D./ M.Phil	
2017-18	10	1.66	18.46
2018-19	1.44	-	53.125
2019-20	6.09	-	47.56

41. Diversity of Faculty:

Teaching faculty	% 2017-18	% 2018-19	% 2019-20
from the same university	09.10	09.10	09.10
from other universities within the State	90.90	90.90	90.90
from other States	00.00	00.00	00.00
from outside the country	00.00	00.00	00.00

42. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. / D.Lit.:

Name of the faculty	Degree Awarded	Awardee University	Academic Year
Prof. K.V. Patil	M. Tech. (Computer)	Bharati Vidyapeeth Deemed University, Pune	2018-19

43. Present details of departmental infrastructural & other facilities with regard to

- Central Library Books and Journals, etc, relevant to Department:

Academic Year	Central Library Books and Journals, etc, relevant to Department
2017-18	5575
2018-19	5697
2019-20	5697

- Departmental Library (books, journals etc.) : 480
- Computers and Internet facilities for staff : 14
- Total number of class rooms : 02
- Class rooms with ICT facility : 02
- Students' laboratory : 06
- Research laboratories : Nil



- Seminar Hall : Nil
- Smart class room : Nil
- Any other facility- LCDs : 03

44. List of post-doctoral students and Research Associates

a) Post-doctoral. Students-
Nil

b) Research Associates
Nil

45. Number of postgraduate students getting financial assistance from the university/state / central government :

NA

46. Curricular Aspects:

a) Does the faculty take initiative in the curriculum development process?

Yes

b) Is curriculum suitable to make students globally competitive in the Subject?

Yes,

Sr. No.	A.Y.	Name of the Student	Admitted To
1	2017-18	Samruddhi Deshmukh	Indira Gandhi national open University
2	2017-18	Akanksha Deshpande	State University of New York at Binghamton
3	2017-18	Amruta Bhadgaokar	Northeastern University
4	2017-18	Pranjal Mahadik	St. Cloud State University-Twin Cities
5	2017-18	Ankita Shrishrimal	MIT World Peace University
6	2017-18	Swapnali Banne	Zeal Education Society's Zeal College of Engg. & Research, Narhe, Pune University :SPPU, Pune

8	2018-19	Ms. Krishna Amin	STES Sinhagad Institute of Management, Vadgaon, Pune. (SPPU, Pune)
9	2019-20	Neha Kamble	All India Shri Shivaji Memorial Society's Institute of Management, Pune
10	2019-20	Karishma Tyagi	University College Dublin Belfield Dublin 4
11	2019-20	Shital Patil	School of Management (SOM), MIT-World Peace University, Pune.
12	2019-20	Ms. Abhilasha Gondchar	Vellor Institute of Technology (Deemed to be University, Vellore, Tamil Nadu, India)
13	2019-20	Ms. Anoushka Parmar	University College Dublin, Belfield, Dublin

c) Does the department offer programs with sufficient no. of electives options.

Yes

d) While framing curriculum, is feed-back taken from stakeholders viz. Students/Alumni/Parents/Employers considered?

College is affiliated to Savitribai Phule Pune University (SPPU) hence while framing the curriculum, analysis of the feedback taken from stakeholders, is forwarded to Board of Studies Members of IT department, Savitribai Phule Pune University.

e) What is the frequency of curriculum revision? (3/4/5 years or more)

3 years.

f) Does the curriculum have emerging thrust areas, including interdisciplinary areas?

Yes. Cloud Computing, Big Data, IoT, Machine Learning

47. Teaching-Learning, Evaluation.

1) Number of teachers preparing & following Academic Teaching plan:

2017-18	2018-19	2019-20
11	11	11



2) How many teachers use the following teaching methods?

		2017-18	2018-19	2019-20
a.	Interactive lecture method using blackboard, Group discussions, Problem solving, Seminars	11	11	11
b.	Use ICT methods to support lectures.	11	11	11

3) Does the Department have Peer review processes? If yes, are the suggestions effectively used to improve the teaching quality?

Yes. A mentor is assigned for each course. The mentor conducts meetings to guide and take review of the peer before and during the conduct of the course. The suggestions given by the mentor are implemented by the mentee to improve the teaching quality.

The department has an effective student feedback system at the end of every semester; the analysis of the feedback is used to improve teaching quality.

4) Does the department have any mechanism to ensure that the entire syllabus is completed?

Yes, through academic monitoring and feedback system.

5) Do you offer Bridge/Remedial courses? If yes, Give details.

Yes

1. Course teacher interacts on one-to- one basis to understand the difficulties faced by the student in her learning process .Course teacher conducts remedial lectures / practical sessions for slow learners and failures so as to improve their academic performance.

2. Guardian Faculty Member (GFM) communicates the academic performance of the student to her parents, interacts with parents and seeks their support in resolving the difficulties of the student. Provide them with an additional set of questions and study material.

6) What is the method for conducting internal evaluation?

1. Unit Test I: This is conducted on the first two units of the course before the In-Sem examination, SPPU (TE & BE) /Online Examination (SE), SPPU.

2. Assignment I: Assignment I is based on unit 3 of the course and evaluation of the students is done through oral based on the Assignment Questions at the time of Assignment submission before the In-Sem examination of SPPU.

3. Unit Test II: This is conducted on the 4th and 5th Units of the course in the third week of March before the Term- End of SPPU.

4. Assignment II: Assignment II is based on unit 6 of the course and evaluation of the students is done through oral based on the Assignment Questions at the time of Assignment submission before the Term-End of SPPU.
5. Practical Courses: In these continuous progressive assessments are done through viva voce, presentations, reviews, mock practical conduction, mid-term submission, report submission and laboratory quiz.
6. Various co-curricular activities: In this component, problem solving, group discussions, quiz etc. are conducted and evaluated regularly.

48. Teacher Performance:

- 1) Whether the performance of the teacher is assessed by the students? If yes, are the feedback reports analyzed and suggestions communicated to teachers?

Yes. A proper record of collected feedback is maintained and analyzed further for necessary actions.

- 2) Number of teachers getting a) Excellent b) Good c) Satisfactory d) Average remarks from students.

A.Y.	Semester	Excellent	Good	Satisfactory	Average
2017-18	I	11	03	-	-
	II	11	03	-	-
2018-19	I	13	02	-	-
	II	13	01	-	-
2019-20	I	13	01		
	II	13	01		

- 3) Whether suggestion boxes are kept in the department to get suggestions from Students on infrastructural facilities available in the department?

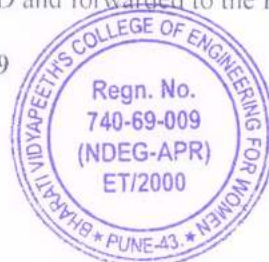
Yes

- 4) Are the suggestions received from students used for improvement of Facilities?

Yes

- 5) Do teachers submit Self-Appraisal Reports? Are these reports appraised by HOD and forwarded to the management with comments?

Yes, These reports are appraised by HoD and forwarded to the Head of the Institute.



6) What is the individual faculty wise h index?

Sr. No.	Name of the Faculty	h index
1	Prof. Dr. D. A. Godse	3
2	Prof. K. B. Naik	2
3	Prof. S. B. Dhuttargi	0
4	Prof. M. A. Rane	1
5	Prof. S. A. Sagar	1
6	Prof. S.A. Hadke	1
7	Prof. A. D. Khairkar	2
8	Prof. A. V. Kanade	1
9	Prof. S. S. Thite	2
10	Prof. N. A. Mulla	2
11	Prof. K.V. Patil	1

7) Give details of “beyond syllabus scholarly activities” of the department. (SAH/AVK/NAM)

Sr. No	Academic Year	Class	Name of Course
1	2018-19	SE, TE	Cross Platform with Mobile App Development
2	2018-19	SE	C Programming
3	2019-20	SE, TE	Python Programming
4	2019-20	SE, TE	Personality Development

49. List the distinguished alumni of the department (maximum 10)

Sr. No	Name of Alumni	Distinguishness	A.Y.
-	-	-	-

50. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts. (SAS)

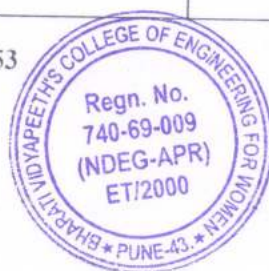
List of Events (2017-18)

Sr No.	Date	Type of Event	Name of the Activity	Name and Address of Resource person	Email Id and Contact	Organized for and Duration
1	29/06/2017	Seminar	Pointers In C	Mr. Nagesh Mehtre, Clickin Computers, Pune	9422563797 njm_nagesh@yahoo.com	SE-1hr.
2	01/07/2017	Seminar	Linux Fundamental Python Programming Computer Network Programming	Mr. Qaidjohar Jawadwala,QJ Technologies	9209505152	SE, TE-1hr.
3	04/07/2017	Seminar	Evolution Of Internet	Dr. R Venkateswaran, Persistent Systems Ltd.	9922434675	SE, TE, BE-2hrs.
4	08/07/2017	Seminar	Awareness About New Innovations And Technologies	Miss. Astha Lal, Opulent Infotech Pvt. Ltd.	8888139224	TE, BE-1hr.
5	10/07/2017	Seminar	Java Concepts	Mr. Rahul Ahire, Linkcode Technologies	9604430489	TE-1hr.
6	18/7/17	Seminar	Technical Career	Mr.Amol Aher, KasNet Technologies Pvt. Ltd.	8698833110	TE, BE-1hr.
7	21/7/17	Seminar	Study In Germany	Ms. Renu Agarwal, EduOptions Germany	9029014822 r.agarwal@iaos.de	BE-1hr.
8	25/7/17	Seminar	Open Source Mobile App Development	Mr. Parth Shukla, Microsoft IT Academy	9717870232	TE, BE-1hr.



9	23/8/17	Seminar	Usability Design And Entrepreneur Skills	Mr. Shashi Sudhanshu, Talked.Inc.	shashi@talked.co	TE, BE-2hrs.
10	29/8/17	Seminar	Online Learning And Assessment For Skill Development & Campus Recruitment	Mr. Siva Kommalapati, Conduira Online	7038378995	SE, TE, BE-1hr.
11	08/09/2017	Seminar	Current Trends Of Industry	Mr. Sahil Sharma, GigIndia	7756985174	SE, TE-1hr.
12	12/09/2017	Expert Lecture	TTL and CMOS	Mr.M V Nimbalkar, SCOE Vadgaon	9890586765	SE IT-3hrs.
13	14/9/2017	Seminar	Career Opportunities after BE	Mr. T RamMohan, Career Launcher Pvt.Ltd	8999408313	SE,TE, BE IT-1hr.
14	18/9/2017	Expert Lecture	Software Laboratory I	Mr. Rahul Ahire, Linkcode Technologies, Pune	9604430489	TE IT-2hrs.
15	20/9/2017	Expert Lecture	Software Modelling and Design	Mr. Rahul Ahire, Linkcode Technologies	9604430489	BE IT-2hrs.
16	23/9/2017	Expert Lecture	Software Testing	Mr. Sarang Ingole and Miss.Rutuja Patil, Whirlpool	9822201141	TE IT-1hr.
17	26/9/2017	Expert Lecture	Discrete Structures	Mrs.Dhanashree Palasdeokar	9420842481	SE IT-2hrs.
18	01/09/2017	Seminar	Cloud Computing: From security, privacy to	Prof. Arati Dikshit, PVPIT, Pune.	8390348643	TE, BE IT-2hrs.

			forensics challenges			
19	15/01/2018	Seminar	Practical expectations from IT students in companies	Mr. Mahesh Hasarmani, Consultant manager, ClickIn Infotech	8087742000	TE IT - 2hrs.
20	16/01/2018	Worksh op	Web Technology and ASP .net	Dr. Nilay Karade, Tech Lead & head CT, Tech Ascent, Aundh, Pune	9689883302	TE IT - 1day
21	17/01/2018	Worksh op	IOS Mobile App development	Dr. Nilay Karade, Tech Lead & head CT, Tech Ascent, Aundh, Pune	9689883302	BE IT - 1day
22	18/01/2018	Seminar	Cross Platform Mobile App. Development	Mr. Sandip Jethani, Director, ATS InfoTech, Delhi	9920054918	TE, BE IT -2hrs.
23	20/02/2018	Seminar	Introduction to Networking and Dig Deeper on IP Networking	Mr. Sanket Lodha, MD, Zeel Network Solution, Pune	8149650143	TE IT - 2hrs.
24	23/02/2018	Seminar	Cloud Computing:	Mr. Aashish Govillkar, TCS, Pune.	9689883302	TE IT - 2 Hrs.
25	27/02/2018	Expert Lecture	Mathematical foundations of Big data	Mr. Ravindra Murumkar, PICT, Pune	9850774272	TE IT - 2 Hrs.
26	19/03/2018	Expert Lecture	CG and CGL	Mr. Aashish Govillkar, TCS, Pune.	9689883302	SE IT -2 Hrs.
27	21/03/2018	Expert	B-trees	Mrs. Vaishali Ingale,	9371165218	SE IT -2



		Lecture		AIT, Pune.		Hrs.
28	13/01/2018	Seminar	Digital is the Future	Ms. Deepika Panth (Alumna)	9987264989 deepikapanth@gmail.com	TE IT 1 Hr.
29	13/01/2018	Seminar	Choosing your Career	Ms. Prerana Palkritwar (Alumna)	942203556 preranapalkritwar05@gmail.com	SE IT 1 Hr.
30	31/03/2018	Talk	Infrastructure Management	Mrs. Pallavi Ghorpade (Alumna)	9545459814 pallavikhopade28@gmail.com	TE IT 1 Hr.
31	04/07/2017	Seminar	Evolution of Internet	Dr. R. Venkateswaran, Senior Vice President, IoT Solutions, Persistent Systems Limited, Pune	9922434675	SE, TE & BE IT
32	23/08/2017	Seminar	Usability Design and Entrepreneur Skills	Mr. Shashi Sudhanshu, CEO, Talkd. Inc., Pune	shashi@talkd.co	TE & BE IT
33	01/09/2017	Seminar	Cloud Computing: From Security, Privacy to Forensics Challenges	Dr. Arati M Dixit, Associate Prof., PVPIT, Pune and ACM-W India Chair	8390348643	TE & BE IT
34	15/01/2018	Seminar	Practical Expectations from IT Students in Companies	Mr. Mahesh Hasarmani, Consultant and Manager, Clicksin Infotech	8087742000	TE IT

35	18/01/2018	Seminar	Cross Platform Mobile App. Development	Mr. Sandip Jethani, Director, ATS Infotech, Delhi	9920054918	TE & BE IT
36	20/02/2018	Seminar	Introduction to Networking and Dig Deeper on IP Networking	Mr. Sanket Lodha, MD, Zeel Network Solution, Pune	8149650143	TE IT

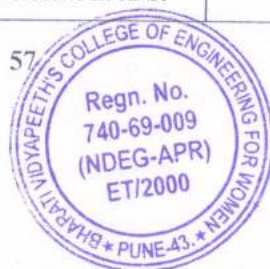
List of Events (2018-19)

Sr No.	Date	Type of Event	Name of the Activity	Name and Address of Resource person	Email Id and Contact	Organized for and Duration
1	06/07/2018	Seminar	Cross Platform with Mobile App.	Manish Kumar Singh, ATS Learning Solution, Head Institutional Collaboration.	9717870232, manish.singh@atsinfotech.net	SE(IT), TE(IT) 1Hr.
2	07/07/2018	Seminar	Recursive Function in C	Nagesh Mehtre, Click in Computer, Pune.	9422563797 njm-nagesh@yahoo.com	SE(IT) 1 ½ Hr.
3	14/07/2018	Seminar	Technical Career Guidance	Amol Aher, KasNet Technologies Pvt. Ltd.	8698833110 inquiry.india@kasnetinc.com	BE(IT) 1Hr.
4	19/07/2018	Seminar	Student Innovation Program	Qaidjohar Jawadwala, QJ Technologies.	9975756478 sip@qjtechnologies.com	BE(IT) 1Hr.



5	27/07/2018	Seminar	Research Paper Publication & Project Development	Jaykumar Mane, JSM Infotech, Pune.	9767423804 info.jsminfotech@gmail.com	BE(IT), TE(IT) 1Hr.
6	24/08/2018	Seminar	International Student Leadership Program	Shashikant Dhanshetti, Flying high Pune.	9373085950 shashikant@flyinghigh.co.in	TE (IT) 1Hr.
7	30/08/2018	Seminar	Abroad Education	Ascanius Dsouza, Kareer Krafters, Pune.	9833395882 enquiry1@kareerkrafters.com	TE (IT), BE (IT) 1Hr.
8	31/08/2018	Seminar	Engineering Competitive Exams and Opportunities	Prof. Buge Pravin Vishwanath, The unique Academy.	9823069613 pravinbuge@gmail.com	TE (IT), BE (IT) 2Hrs.
9	08/09/2018	Expert Lecture	Software Engineering & Project Management	Mr. Prashant Shingan, Manager-Program Control Services, Accenture.	9760004647 prashant.shingan@gmail.com	TE (IT) 2 Hrs.
10	26/09/2018	Expert Lecture	Software Laboratory-I	Mr. Rahul Ahire, Director, Linkcode Technologies Katraj, Pune.	9604430489 rahul.ahire@gmail.com	TE (IT) 2Hrs.
11	12/10/2018	Expert Lecture	Conditional Probability and Permutation-Combination	Dr. Mandar karyakarte, HOD, VIIT, IT Department.	9545451143 karyakarte.ms@gmail.com	SE (IT) 2Hrs.
12	10/01/2019	Seminar	Art of Living	Rashmin Pulekar, TDX Speaker & Youth Mentor.	9075091984 rashmin.pulekar@gmail.com	SE(IT), BE(IT) 1Hr.
13	11/01/2019	Seminar	Emerging Trends	Mr. Akshay Shitole, Director, SNB	9689168989 snbtech17@gmail.	TE (IT), BE (IT)

			& Opportunity	Tech.	com	1Hr.
14	17/01/2019	Seminar	An Insight Into Advance Technology	Mr. Pradip Narayankar, Founder & CEO, PHN Technology Pvt. Ltd. Pune.	9975559466 director@phntech nology.com	TE(IT) 1Hr.
15	31/01/2019	Seminar	Abroad Opportunities	Mr. Chiranjit Mallik, Senior Executive Institutions Relationship N and N Chopra	8329023736/9765 499291 chiranjitm@thech opras.com	TE(IT) 1Hr.
16	14/02/2019	Seminar	Study Abroad & IELTS Orientation	Mrs. Polina Pal, SIES Education Pvt. Ltd. Assistant Manager Marketing.	9823445826/9871 284747 mktg.pune@siecin dia.com	BE (IT) 1Hr.
17	28/02/2019	Seminar	Github Repository	Mr. Rahul Ahire, Director, Linkcode Technologies Katraj, Pune.	9604430489 rahul.ahire@gmail .com	TE (IT), BE(IT) 1Hr.
18	1/03/2019	Seminar	Python Programming	Qaidjohar Jawadwala, QJ Technologies.	9975756478 sip@qjtechnologie s.com	TE (IT) 1Hr.
19	02/03/2019	Workshop	Android App. Development	Mr. Nilay Karade, Tech Ascent, Pune.	8329608765 nilay.k@techasce nt.in	TE(IT) 4Hrs.
20	29/03/2019	Expert Lecture	Application of Computer Graphics: Case Studies	Mr. Deepak Mane, Tata Research Design & Development Center	9623051177 hrishikesh.dhände @tcs.com	SE(IT) 2Hrs.
21	31/07/2018	Seminar	Theory of Computation	Mr. Vivek Kulkarni, Chief Architect, Persistent LABS.	9689984200	TE IT



				Persistent Systems Ltd., Pune		
22	12/1/2019	Seminar	Power of subconscious Mind	Mr. Alpesh Soni, IT Analyst, TMF Group	9860818815	SE & TE IT
23	17/01/2019	Seminar	Technical Explore and Github	Ms. Afiya Sayyed and Ms. Princy Mishra, BE Students	8087726797, 8780413725	TE IT
24	8/2/2019	Seminar	Importance of Gate and Introduction to Parser	Ms Vaishnavi Bhutada, TE IT Student	726774500	TE IT
25	18/02/2019	Seminar	Which Programming Language You Should Learn & Why?	Dr. Navin Kabra, Co-founder & CTO at ReliScore.com	9822020096	SE IT
26	21/02/2019	Seminar	Introduction to Java	Mr. Rahul Ahire, Director, Link-Code Technologies	9604430489	SE IT
27	25/02/2019	Seminar	Compiler	Dr. Abhijat Vichare, Consultant	9960355169	TE IT
28	28/02/2019	Seminar	Cyber Security	Mr. Shubhajit Poddar, Institutional Speaker & Chief Marketing Officer, 9Ledge Pro (Microsoft AEP)	7980577946	TE & BE IT
29	14/07/2018	Seminar	Entrepreneurship Program in Web Development	Ms. Bhagyashree Raut, Ms. Pooja Lad, (Alumnae)	7249347084 bhagyashri.raut26	TE & BE IT

			and Hadoop	Mr. Mahek Sethiye	@gmail.com	2 Hrs.
30	17/08/2018	One Day Training	Scrum	Mrs. Simran Ravlani (Ms. Reshma Nagrani) (Alumna) Mr. Kamlesh Ravlani	7768098000 simran@agileforgrowth.com	BE IT 1 Day
31	21/02/2019	Seminar	Amazon: Placement and Work Culture	Ms. Rinkal Mahajan (Alumna)	7058066004 mahajanrinkal024@gmail.com	TE IT 1 Hr.

51. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The attainments levels are determined by direct (student performance) assessment methods.

Direct Assessment:

Process for Direct Assessment Method is as follows:

Course Outcome (CO) Attainment:

Attainment level is measured in terms of student performance in internal examinations with respect to Course Outcomes of a course and university examinations. Target is stated as the average marks in the corresponding examination for the last three years.

Attainment levels are defined as follows:

Level 0: Less than 50% of students scoring more than set target marks.

Level 1: 50% of students scoring more than set target marks.

Level 2: 60% of students scoring more than set target marks.

Level 3: 70% of students scoring more than set target marks.

Attainment is measured in terms of actual percentage of students getting set percentage of marks.

CO attainment is calculated by assigning 60% weightage to university examination and 40% weightage to internal assessment.

Program Outcome (PO) and Program Specific Outcome (PSO) Attainment:

A particular PO/PSO is mapped to all COs of a course by considering correlation levels 1, 2 and 3 as defined below:

1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)

Direct attainment level of PO and PSO is determined by considering all courses and hence CO attainment addressing that PO/PSO.

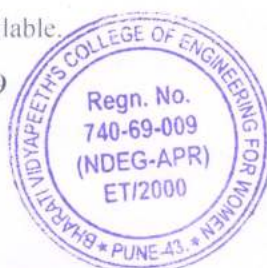
Overall PO/PSO Attainment

PO/PSO attainment level is based on attainment levels by assigning 100% weightage to direct assessment.

52. Highlight the Special facilities (if, any) of the Department.

Special facilities:

1. Lecture Capturing System (LCS) is available.



2. Student can avail lab facility before and after college hours.
 3. Remedial lectures / practical are conducted for slow learners and failure students.
 4. Certified courses related to basic and current technologies are provided for students.
 5. Seminars on GATE, GRE preparation for higher studies are organized through ITech'SA student association.
 6. Personality development activities are conducted through audit course.
 7. Students with poor economic background are encouraged to take up the earn and learn facility.
 8. Opportunities to participate in national and international conferences are provided for students as well as staff.
53. Highlight the unique features of the department.

Features:

1. The laboratories are well equipped with the latest configuration machines, high speed internet, Wi-Fi facility and legal licensed software.
 2. Modern aids such as LCD projector, Educational CDs are used for classroom teaching.
 3. Robust networking facilities to support FE & SE online SPPU examination.
 4. Excellent academic performance and achievements of our students are recognized by various multinational companies such as Microsoft, Accenture, TCS, Wipro, Zensar, Tech Mahindra etc. and recruit our students during campus placements with attractive salary packages.
 5. Emphasis is given on hands on experience by conducting Industrial visits to I-Medita, VSNL, Dhirubhai Ambani Knowledge City, Ispat, BSNL, Reliance and BARC.
 6. Information Technology Students' Association (ITech'SA) plays an important role in developing personality among the students by conducting various activities such as guest lectures by experts on personality development, soft skills, aptitude test preparation, career guidance etc.
 7. Department has agreements with Microsoft IT academy (ATS Infotech) for .net and Link code Technologies for core and advanced Java courses.
 8. Department encourages staff members for quality improvement programmes including participation in various national & international conferences, workshops, seminars, short term training programs and faculty development programs.
 9. Department arranges Industry Institute Interaction programs to enhance employability.
 10. Department library provides facilities for reference books, University question paper bank, seminar reports and project reports.
 11. Students are encouraged for skill development programmes such as internships through Internshala, Bahu's Entrepreneurship Cell of COEP.
54. State the Innovative practices adopted in the department.

The following Innovative practices adopted in the department:

1. E-learning
2. Interactive learning
3. Problem based learning
4. Co-operative learning
5. Project based learning

55. Highlight the participation of students and faculty in extension activities. (Discussion with HoD)

The students and staff members participate in NSS activities such as residential camps, blood donation camps, Swachh Bharat Abhiyan, tree plantation, health check-up camp etc.
Refer Annexure -II

56. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

a. Strengths:

1. Qualified, experienced and dedicated staff with good faculty retention ratio.
2. Well-equipped Laboratories.
3. Faculty members are involved in design, development and implementation of curriculum in Board of Studies of affiliating university.
4. Effective use of ICT in teaching learning process.
5. Assistance by staff members for counseling and mentoring of the students.
6. Efficient Academic monitoring.
7. Encouragement to the students for implementing research projects

b. Weaknesses:

1. Inadequate consultancy services.
2. Refinement in aptitude and communication skill for students.
3. Modest employability.
4. Few research publications in peer reviewed international journals having high impact factor

c. Opportunities:

1. Promotion for Ph.D.
2. Conduction of FDP and STTP.
3. Organization of national / international conference and value addition programs.
4. Motivation for sponsored projects.

d. Challenges:

1. Better Placement in companies
2. Intensify industry and institute interaction.
3. Establishing apprehension about employment opportunities in IT.
4. Promoting involvement in the summer school and industry internship.
5. Efficacious participation of alumni for strengthening the department

57. Future plans of the department:

a. Long term plans-

1. To achieve 100% placement.
2. To generate revenue by providing consultancy.
3. Encourage staff members for research and patent filing.

b. Short term plans-

1. To encourage students to appear for GATE / GRE and opt for higher studies.
2. To involve Alumni in conduction of seminars /workshops and placement assistance.
3. To organize special sessions for students on Personality Development.
4. To improve Industry Institute Interaction to increase sponsored projects, internships and placements.



5. To motivate staff members to practice flipped classroom.
6. Encourage staff members to participate in STTPs and FDPs.

Declaration by the Head of the Department / Institution:

I am aware that the above information provided by the department will be validated by the AAA committee during the visit.

Date: 12/02/2020.

F. Kamalgaonkar (Dr. K. B. Naik)
Head of Department
HEAD OF DEPT.
Information Technology
BV'S College of
Engineering For Women
Pune-411 043

Shah.

Prof. S. T. Khot
IQAC Coordinator.

DR. S. R. Patil

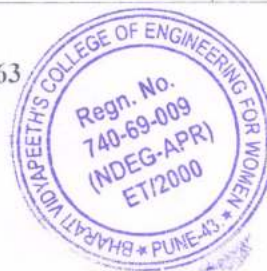
DR. S. R. Patil
I/C PRINCIPAL
Bharati Vidyapeeth's
College of Engineering for Women
Pune-Satara Road, Pune-411 043.

ANNEXURE – I

a) Research Paper Publication

(2017-18)

Sr. No.	Name of the Author(s)	Complete Title of the Article	Title of the Journal	Impact Factor	Citations	H-Index
1	Prof. Dr. D.A. Godse	Detecting Jute Plant Disease Using Image Processing And Machine Learning	International Journal of Current Engineering and Scientific Research (IJCESR)		0	h : 3
2	Prof. K.B. Naik	Building Analytical Dashboard for Visualizing Data	International Journal for Research in Applied Science & Engineering Technology(IJRASET)	6.88	0	h:2
		Multiobjective Virtual Machine Selection for Task Scheduling in Cloud Computing	International Conference on Computational Intelligence: Theories, Applications and Future Directions (ICCI-17) December 6thDec.-8thDec. 2017, Indian Institute of Technology Kanpur, India.		0	
3	Prof. S.B. Dhuttargi	Detection of Navigation Problem and Guiding User in Real Time	International Journal of Creative Research Thoughts (IJCRT)	5.97	0	h:0
4	Prof. M. A. Rane	AGROBOT-In-Hydroponic Monitoring Ecosystem	International Journal of Creative Research Thoughts (IJCRT)	5.97	0	h:1
		Deduplication on Encrypted Data with Secure Cloud Storage	International Journal of Creative Research Thoughts (IJCRT)	5.97	0	
5	Prof. S. A. Sagar	A High Secure Shoulder Surfing Resistant Text Based Graphical Password Authentication System	International Journal of Creative Research Thoughts (IJCRT)	5.97	0	h:1



		A Novel System Architecture for Multi Object Tracking Using Multiple Overlapping and Non-Overlapping Cameras	International Journal of Biotechnology and Biochemistry, Research India Publication.			
6	Prof. S. A. Hadke	Secure Data Distribution in Mobile Cloud Computing	International Journal of Creative Research Thoughts (IJCRT)	5.97	0	h:1
7	Prof. A. D. Khairkar	System to Use Text Stream Mining Techniques for Identification of Abnormal Behavior	International Journal of Creative Research Thoughts (IJCRT)	5.97	0	h:2
8	Prof. S. S. Thite	Evil Twin Access Point Detection And Prevention In Wireless Network	International Journal Of Current Engineering And Scientific Research (IJCESR)	0.916		h:2
9	Prof. N. A. Mulla	Community Question Answering Pair (CQAP) Using Fine-Grained And Reputation Based Approach	International Journal of Creative Research Thoughts (IJCRT)	5.97	0	h:2
10	Prof. K. V. Patil	Performance analysis of storage area Network	International Journal of Emerging Technologies & Innovative Research	5.87	0	h:1
		Big data privacy: A technological perspective and review	International Journal of Emerging Technologies & Innovative Research	5.87	104	

(2018-19)

Sr. No.	Name of the Author(s)	Complete Title of the Article	Title of the Journal	Impact Factor	Citations	H-Index
1	Prof. Dr. D.A. Godse	Android Based Location Reminder Using Geofencing	Journal of Emerging Technologies and Innovative Research	5.87	0	h : 3
2	Prof. K.B. Naik	Pareto-Based Adaptive Resources Selection Model in Hybrid Cloud Environment	IETE Journal of Research	0.9	0	h:2

		Pareto Based Virtual Machine Selection with Load Balancing in Cloud Data Centre	CIT,Bulgarian Academy of Sciences	0.8	2	
		Multiobjective Virtual Machine Selection for Task Scheduling in Cloud Computing	Advances in Intelligent Systems and Computing, Springer	0.5	4	
		Multiobjective workload scheduling in distributed datacenters	IEEE ICECCT'19 @ Coimbatore Conference			
		Integrated tool development for text and code plagiarism detection using semantic similarity and TF_IDF	National Conference on Innovation Trends in Computer Science, Engineering and Technology			
		Integrated tool development for text and code plagiarism detection using semantic similarity and TF_IDF	Journal of Emerging Technologies and Innovative Research	5.87	0	
3	Prof. S.B. Dhuttargi	Predicting Bus Arrival Time Using GPS and Machine Learning	International Journal of Emerging Technologies and Innovative Research	5.87	0	h:0
		Precision Greenhouse Agriculture	International Journal of Research and Analytical Reviews (IJRAR)	5.75	0	
4	Prof. M. A. Rane	Aspectwise Product Quality Evaluation System based on Reviews with Aspect Categorization using Supervised and Unsupervised Learning	International Journal of Innovative Research in Engineering & Multidisciplinary Physical Sciences	7.043	0	h:1
		Smart Cloud based healthcare Application having Data Authentication Control using Time Constraint	International Journal of Innovative Research in Engineering & Multidisciplinary Physical Sciences	7.043	0	



5	Prof. S. A. Sagar	Authentication System using Cryptographic secure password Storage	International Journal of Innovative Research in Engineering & Multidisciplinary Physical Sciences	-	0	h:1
6	Prof. S. A. Hadke	Secure Server Verification Using Visual Cryptography on Images	National Conference on Role of Information Technology in Social Innovations			h:1
		Secure Server Verification Using Visual Cryptography on Images	International Journal of Research in Advent Technology (IJRAT)		0	
		Secure Server Verification Using Visual Cryptography on Images	International Conference on Advent Trends in Engineering, Science and Management			
		Text Classification for Subjective Scoring Using K-Nearest Neighbours	Journal of Emerging Technologies and Innovative Research(JETIR)	5.87	0	
		A Broad Investigation for Diabetes Detection Using Machine Learning Techniques	Journal of Emerging Technologies and Innovative Research(JETIR)	5.87	0	
7	Prof. A.D. Khairkar	Detection & Prevention of Bots and Fake profiles using Machine Learning	National Conference on Role of Information Technology in Social Innovations			h:2
		Extract Algorithm,highlighted content & Search Algorithm using Machine Learning & core NLP with Scholar Big Data	International Journal of Research in Advent Technology (IJRAT) Special Issue			
		Extract Algorithm,highlighted content & Search Algorithm using Machine Learning & core NLP with Scholar Big Data	National Conference on Role of Information Technology in Social Innovations			

8	Prof. A.V. Kanade	Prediction of career by analyzing user's browser history, personality traits and academic records (Dream Mantra)	International Education and Research Journal	5.564	0	h:1
9	Prof. S.S.Thite	A Survey on the internet of things:Applications, challenges and opportunities with India Perspective	International Conference on Data Sciencees, machine Learning, and Applications (ICDSMLA 2019)			h:2
10	Prof. N.A. Mulla	The potent combo of software testing and NLP	International Conference on Data Sciencees, machine Learning, and Applications (ICDSMLA 2019)			h:2
		Study on Software Test Case Generation Techniques and Future Scope in Agile	Journal of Advanced Research in Dynamical and Control Systems		0	
		Survey on fraud detection methods	International Journal of Research and Analytical Reviews (IJRAR)	5.75	0	
		Leukemia detection using random forest classifier	National Conference on Innovation Trends in Computer Science, Engineering and Technology			
		Detection of leukemia using random forest classifier	Journal of Emerging Technologies and Innovative Research	5.87		
11	Prof. K.V. Patil	Research Problem for Research Effort Evaluation framework	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	6.887		h:1
		Research Effort Evaluation Framework	Journal of Emerging Technologies and Innovative Research (JETIR)	5.87		
		Research Effort Evaluation Framework Prototype Model	International Journal of Applied Engineering Research(IJAER)			



(2019-20)

Sr. No.	Name of the Author(s)	Complete Title of the Article	Title of the Journal	Impact Factor	Citations	H-Index
1	Sandip S. Thite	Key establishment algorithm for secure cyber physical system to prevent cyber attack	International Journal of Innovative Technology and Exploring Engineering (IJITEE)			
2	Ms. Nilofar Mulla	The Potent Combo of Software Testing and NLP	ICDSMLA 2019, Lecture Notes in Electrical Engineering, Springer, Singapore			
3	Sandip S. Thite	A Survey on the Internet of Things: Applications, Challenges and Opportunities with India Perspective	ICDSMLA 2019, Part of the Lecture Notes in Electrical Engineering book series, Springer			
4	Mrs. Dhuttargi Sonali	Colt: The Code Series Game for Learning Program Logic through Real Time Implementation	International Research Journal of Engineering and Technology (IRJET)			
5	Mrs. S. A. Hadke	Car Anti -Theft System through Face Recognition using GPS & GSM Module	International Journal of Research in Electronics and Computer Engineering (IJRECE)			
6	Mrs. Sonali Dhuttargi	Hiding Sensitive Information of Student for Secure Storage on Cloud	Journal of Emerging Technologies and Innovative Research			
7	N. A. Mulla	Data Driven Herb's Product Recommendation Framework	Journal of Emerging Technologies and Innovative Research			
8	N. A. Mulla	Literature Survey Of Various Chatbots	Journal of Emerging Technologies and Innovative Research			
9	Ms. Mugdha A. Rane	Psychological Illness Revealing Method using Machine Learning	Journal of Emerging Technologies and Innovative			

			Research			
10	Prof. S. A. Sagar	Healthcare System for sickle cell prediction and management	Journal of Emerging Technologies and Innovative Research			
11	Prof. K. B. Naik	Effective Product marketing through Early Reviews	Journal of Emerging Technologies and Innovative Research			
12	Prof. K. B. Naik	Agrigras: Precision Farming for Weed Detection & Control	Journal of Emerging Technologies and Innovative Research			
13	Prof. Ashwini Kanade	Machine Learning Model for Stock Market Prediction	International Journal for Research in Applied Science & Engineering Technology			
14	Mrs. Kanade Ashwini	LifeSaver: The E-Blood Donation App	International Research Journal of Engineering And Technology (IRJET)			
15	Prof. A.V. Kanade	A SUMMARIZATION TOOL FOR HOTEL REVIEWS	Journal of Emerging Technologies and Innovative Research			
16	Prof. S. A. Sagar	Automatic Exam paper generation	Journal of Emerging Technologies and Innovative Research			
17	Prof. S. A. Sagar	The review of crowdsourcing by people's thinking	Journal of Emerging Technologies and Innovative Research			
18	Mrs. S.A. Hadke	Students Attendance system and academic performance prediction	Journal of Emerging Technologies and Innovative Research(JETIR)			
19	Mr. Sandeep Thite	Smart queue Management System with Real Time Tracking using DNN	Journal of Emerging Technology			



			Innovative Research(JETIR)			
20	Mrs.S.A.Hadke	Identification of Trends in Technologies and Programming Languages Using Topic Modeling	Journal of Emerging Technologies and Innovative Research(JETIR)			

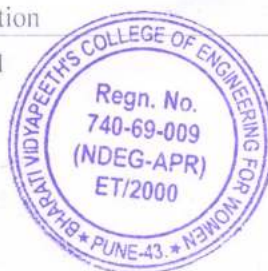
b) Books Published:Nil

ANNEXURE - II

The students participate in following extension activities:-

2018-19

1	Avhan pre-selection at SP college
2	Avhan Disaster State Level Camp
3	Gad Samvardhan Camp
4	University level Environment Camp
5	Life Skill Workshop
6	Yoga Day Celebration
7	Pre-warkari Mitra Activity
8	Warkari Mitra Activity
9	Post Warkari Mitra Activity
10	Nirmal Wari at Faltan
11	Tree Plantation
12	Bookmark Making
13	Guru Pournima Celebration
14	Hum Fit To India Fit Practice
15	Oath Taking
16	Organ Donation Awareness
17	Final shooting of Hum Fit To India Fit
18	Independence Day At College
19	Independence day at SPPU
20	Orientation Preparation
21	NSS Orientation
22	Rakshabandhan Celebration
23	Pre SRD/NRD Parade Selection
24	SRD/NRD University level selection

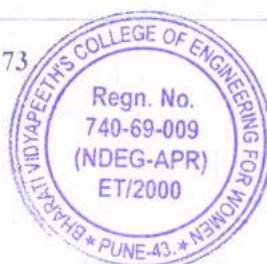


25	Teacher's Day
26	Inauguration of Samarth Bharat Abhiyan
27	Cleanliness Drive
28	Swacha Pune Abhiyan
29	NAAC Preparation (Arranging records)
30	Frame Making
31	Flash mob(Bharati Vidyapeeth's ground)
32	Kerala Donation
33	Corridor Gardening
34	NAAC Visit(Claps,Parade)
35	NAAC Visit(Dance)
36	NAAC Committee Visit To NSS Office
37	Visit to Historical Place- Karla Caves
38	Gandhi Jayanti
39	Blood Donation
40	Camp Visit
41	Camp Visit
42	Visit to Munot Vidyalaya
43	Street play at Munot Vidyalaya
44	Visit to Munot Vidyalaya
45	New Year Celebration at Bharati Hospital
46	Visit to Khopi
47	Visit to Dolphin lab
48	State level trek camp to Ratangad
49	Committee Meeting
50	Morning prayer Preparation
51	Science Model making:
52	Regular Meeting

53	Poster making for camp
54	Awareness on animal abuse
55	Drama Preparation
56	Street play Preparation
57	Presentation Topic Distribution
58	Nirdhar Vahtuk Shisticha
59	Republic Day Preparation
60	World Cancer Day
61	Essay competition at SP College
62	Shivdaan at Khopi
63	Shivjayanti
64	Marathi Bhasa Diwas
65	Women's Day Celebration
66	Visit to NDRF

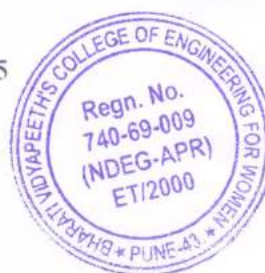
2019-2020

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2	Avhan Disaster State Level Camp
3	Gad Samvardhan Camp
4	University level Environment Camp
5	Life Skill Workshop
6	Yoga Day Celebration
7	Pre-warkari Mitra Activity
8	Warkari Mitra Activity
9	Post Warkari Mitra Activity
10	Nirmal Wari at Faltan
11	Tree Plantation
12	Bookmark Making
13	Guru Pournima Celebration
14	Hum Fit To India Fit Practice



15	Oath Taking
16	Organ Donation Awareness
17	Final shooting of Hum Fit To India Fit
18	Independence Day At College
19	Independence day at SPPU
20	Orientation Preparation
21	NSS Orientation
22	Rakshabandhan Celebration
23	Pre SRD/NRD Parade Selection
24	SRD/NRD University level selection
25	Teacher's Day
26	Inauguration of Samartha Bharat Abhiyan
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65	Women's Day Celebration
66	Visit to NDRF





**Bharati Vidyapeeth's College of Engineering for Women, Dhankawadi,
Pune-411043**

Date: 17/06/2020

**INFORMATION FOR ACADEMIC AND ADMINISTRATIVE AUDIT OF THE
DEPARTMENT**

Year – 2020-21

(Provide information for last two years from 2018-19 to 2019-20)

1. Name of the Department: **Engineering Sciences and Allied Engineering**
2. Year of establishment: **2000**
3. Courses offered: UG, PG, M. Phil., Ph.D., Integrated Masters

Year	UG
2018-19	240
2019-20	240

4. Courses introduced during last 5 years:

- NIL

5. Does the department have Academic flexibility? If yes since when?

- NIL

6. Interdisciplinary programs offered and departments involved:

Sr. No.	Names of Interdisciplinary Courses	Year	Department Involved
1	Basic Electronics Engineering	2018	Electronics & Telecommunication
2	Basic Electronics Engineering	2019	Electronics & Telecommunication
3	FPL I & FPL II	2018	Computer Engineering & Information Technology
4	Programming and Problem Solving	2019	Computer Engineering & Information Technology



7. Courses conducted in collaboration with other universities and Institutions:

- NIL

8. Details of programmes discontinued, if any, with reasons:

- NIL

9. Examination System: Annual/ Semester/Choice Based Credit System/ Credit and Grading system/ any other system, specify:

Sr. No.	Programme Name	System Pattern
1	UG	(Semester/Credit System implemented for FE from 2015) 2018-19 (Semester/Credit and Grading system) 2019-20

10. Participation of the department in the curriculum development for courses offered by the University.

Sr. No	Name of the Faculty	Details	Organized By	Year
	Nil	Nil	Nil	Nil

11. Does the department have different syllabus than the one used by university for UG and PG courses?

- Institution is affiliated to SPPU, thus the syllabus is as provided by the University.

12. Number of teaching posts sanctioned, filled and vacant.

Designation	Sanctioned	Filled	Filled under CAS
Professor	1	01	NIL
Associate Professor	4	01	NIL
Assistant Professor	9	8	NIL
Total	14	10	NIL



13. Faculty profile with name, qualification, designation, experience, nature of appointment (confirmed/ probation/temporary):

a) Appointed on Government Sanctioned Post.

Sr. No.	Name of the Staff Member	Qualification	Designation	Experience	Nature of Appointment
1.	Prof.Avinash. M. Pawar	M.E. (Mech.),Ph.D. (Pursuing)	Asso. Professor	19Years 6 Months	Full Time Teacher
2.	Prof.Kharche W.G.	M.E. (Mech.),Ph.D. (Pursuing)	Professor	36 years	Full Time Teacher
3.	Prof.Santosh. R. Mitkari	M.Sc. (Maths.), Ph.D. (Pursuing)	Asst. Professor	18Years 4 Months	Full Time Teacher
4.	Prof. Milind A.Patwardhan	M.Sc. (Phy.) Ph.D.(Pursuing)	Asst. Professor	14Years 5 Months	Full Time Teacher
5.	Prof.Yogesh D.Kute	B.E. (Mech.),M.Tech.	Asst. Professor	14Years	Full Time Teacher
6.	Prof.Diksha P. Chopade	M.Tech. (Elect.), Ph.D.(Pursuing)	Asst. Professor	12Years 2Months	Full Time Teacher
7.	Prof.Nayana N. Chavan	M.E.(Civil.) Ph.D.(Pursuing)	Asst. Professor	8Years 2 Months	Full Time Teacher
8.	Prof.Urmila S. Zope	B.E. (Mech.) M.E.	Asst. Professor	8Years 2 Months	Full Time Teacher
9.	Prof.Kiran B. Naikwadi	M.Sc. (Maths.)	Asst. Professor	11Years 6 Months	Full Time Teacher
10.	Prof. Smita S. Jadhav	M.Sc. (Chem.), M.Phill	Asst. Professor	20Years	Full Time Teacher

b) Appointed from University Fund.

Name	Designation	Qualifications	Teaching/Research Experience	Nature of appointment.
NIL	NIL	NIL	NIL	NIL



14. List of Visiting Fellows/Teachers, Adjunct and Emeritus Professors, (for last 2 years).

Sr. No.	Name of Visiting Fellows/Teachers, Adjunct and Emeritus Professors	Status	Subject	Academic Year
1	Prof. Snehal M Patil	Visiting Teacher	BCE	2018-19
2	Prof. Sejal G. Patil	Visiting Teacher	BCE	2018-19
3	Prof. Rakesh Kumar	Visiting Teacher	EM	2018-19
4	Prof. Snehal R Patil	Visiting Teacher	EM	2018-19
5	Prof. Pooja R Admane	Visiting Teacher	EM	2018-19
6	Prof. Pratiksha P. Pawar	Visiting Teacher	Audit Course	2019-20
7	Prof. Archana Shinde	Visiting Teacher	M-I	2019-20
8	Prof. Snehalata A. Patil	Visiting Teacher	M-I	2019-20
9	Prof. Balaji R Magar	Visiting Teacher	M-I	2019-20
10	Prof. Tushar Shinde	Visiting Teacher	SME	2019-20

15. Percentage of classes taken by temporary/visiting faculty (programmer- wise information):

Sr. No.	Academic Year	Sem	Percentage of Lectures Delivered	Percentage of Practical's handled
1	2018-19	I	8.33	8.33
		II	8.33	8.33
2	2019-20	I	11.11	00
		II	16.66	00

16. Programme-wise Student Teacher Ratio: (Average of 2 Years)

Year	No of Students Enrolled in the institute	No of Full Time Teachers	Teacher Student Ratio
2018-19	172	13	13.23



2019-20	185	13	14.23
Average of 2 Years	178	13	13.69

Average of 5 Years Teacher Student Ratio: - 1:14

17. Number of academic support staff (technical) and administrative staff sanctioned, filled and vacant:

Sr. No.	Posts	Sanctioned posts	Filled	Actual
1	Laboratory Assistant	-	01	-
2	Clerk (office)	-	01	-
3	Laboratory Attendant	-	--	-
4	Peon	-	02	-
5	Other	-	03	-

18. Thrust areas of research as identified by the department:

Sr.	Faculty	Subject	Area of Research
1.	Dr. Avinash. M. Pawar	Mechanical Engineering	Advanced Manufacturing Process
2.	Mr. Kharche W.G.	Mechanical Engineering	Heat Power Engineering
3.	Mr. Santosh. R. Mitkari	Mathematics	Calculus
4.	Mr. Milind A. Patwardhan	Physics	Condensed Matter Physics
5.	Mr. Yogesh..D.Kute	Mechanical Engineering	Heat Power Engineering
6.	Mrs. Diksha P. Chopade	Electrical Engineering	Energy Audit and Power Quality in Electrical Distribution System
7.	Mrs. Nayana N. Chavan	Civil Engineering	Industrial waste management
8.	Mrs. Urmila S. Zope	Mechanical Engineering	CAD-CAM
9.	Mr. Kiran B. Naikwadi	Mathematics	Calculus
10.	Mrs. Smita S. Jadhav	Chemistry	waste water treatment, synthesis, conducting polymer, adsorption, dyes



19. Information about research grants, projects completed and ongoing during the period of last 5 years

a) From National funding agencies (like UGC, CSIR, DST, DBT etc):

Sr. No.	Name of the Principle Investigator (CO-investigator)	Title of the Project	Funding Agency, Duration & date of sanction	Amount (in Rs)
1.	NIL	NIL	NIL	NIL

b) From International funding agencies:

- NIL

20. Funds received at Departmental level through DST-FIST; CSIR, UGC-SAP/CAS, DAE, DBT, BRNS, ICSSR, AICTE, etc.

- NIL

21. Research facilities available in the department and recognition received, if any?

- Digital Library is provided in the department.

22. Special research laboratories sponsored by / created by industry or corporate bodies.

- NIL

23. Publications:

Sr. No.	Paper Published in peer reviewed journals	Name of Staff	Monographs, books, chapters in book	Citations	H-index	Impact Factor/Average impact factor
1	CFD and Experimentation on Heat Transfer Enrichment in Receiver Tube for Parabolic Trough Collector.	Prof. Dr. A.M. Pawar	Test Engineering and Management (UGC Approved)	2019-20	3	5.31
2	Synthesis of Biofunctionalized Nanofibers (Curcumin, Gelatin and Formic Acid) using Electrospinning Process and Optimization of Parameters for Diameter of Nanofibers.	Prof. Dr. A.M. Pawar	International Journal of Innovative Technology and Exploring Engineering (IJITEE) (Indexing: Scopus)	2019-20	3	1.0
3	Heat Transfer Enhancement of Receiver Tube with Twisted Tape Inserts and Vortex Generator at Different	Prof. Dr. A.M. Pawar	International Journal of Advanced Science and Technology (Indexing: Scopus)	2019-20	3	6.78



	Orientation using CFE Analysis.					
4	Adsorptive eradication of tartrazine from aqueous solutions onto doped polyaniline.	Prof. Dr. S.S. Jadhav	Journal of the Serbian Chemical Society (Indexing: SCI, Scopus)	2019-20	2	1.1
5	Cook hiring web application: Book A Cook	Prof. Dr. A.M. Pawar	International Journal of Research in Electronics AND Computer Engineering (IJRECE) ISSN (Online): 2348-2281. ISSN (Print): 2393-9028 (UGC Approved)	2019-20	3	0.543
6	Multiphysics Simulation And Experimental Validation Of ECM Drilling Process	Prof. Dr. A.M. Pawar	International Journal of Emerging Technologies and Innovative Research (JETIR) (An International Open Access Journal) (UGC Approved)	2018-19	3	7.95
7	Optimization of Parameters for diameter of Nan fibers and FTIR, XRD Characterization for Synthesized Biofunctionalized Nan fibers (Curcumin, Gelatin and Formic Acid) using Electro spinning Process	Prof. Dr. A.M. Pawar	International Journal on Recent Technologies in Mechanical and Electrical Engineering (IJRMEE) (UGC Approved)	2018-19	3	5.5

24. Details of patents filed & granted and income generated:

Sl. No.	Status of Patent (Published / Granted)	Inventor/s Name	Title of the Patent	Patent Filed Date (DD/MM/Y YYYY)	Patent Published Date / Granted Date (DD/MM/Y YYYY)	Patent Publication Number / Patent Granted Number
1	Granted	Dr. A.M. Pawar	Cathode Tool	10/11/2018	05/06/2020	310839
2	Published	Dr. A.M. Pawar	Cathode Tool-1	10/11/2018	10/11/2018	310840
3	Granted	Dr. A.M. Pawar	Cathode Tool-2	10/11/2018	4/2/2022	310841

25. Consultancy services provided, name of the teacher/s and income generated:

- NIL



26. Details of teachers invited as resource persons for Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels.

- NIL

27. Details of teachers participated in Refresher courses, Orientation courses, Seminars, Workshops, Conferences at national and international levels. (participant, presented paper, chaired the session)

a. National

Academic Year 2018-19

Name of Teacher who attended	Title of the Professional development Program	Dates and Duration(from-to)
Prof. Dr. Avinash M. Pawar	One Week Short Term Training Programme through ICT Mode on NBA Accreditation	22/04/2019 to 26/04/2019
Prof. S. R. Mitkari	12 week NPTEL Online Certification Course completed on "Enginerring Mathematics-I"	21/01/2019 to 14/04/2019
Prof. Milind A. Parwardhan	One Week Short Term Training Programme through ICT Mode on NBA Accreditation	22/04/2019 to 26/04/2019
Prof. Diksha Chopade	Two days National Level Workshop on "Power Electronics Applications and Control of E-Vehicles and Drives"	10/01/2019 to 11/01/2019
Prof. U. S. Zope	Two days' Workshop on "3 D printing & Its Applications"	24/01/2019 to 25/01/2019
Prof. Dr. S. V. Dhamal	FDP on "Research Methodology in Science & Technology"	14/01/2019 to 20/01/2019

Academic Year 2019-20

Prof. Dr. Avinash M. Pawar	One day Faculty Awareness Workshop on Induction Program for First Year Engineering	19/07/2019
	One day Syllabus Implementation workshop for the subject	9/1/2020



	"Engineering Graphics"	
	Half Day Faculty Guidance seminar on "Project Based Learning"	24/01/2020
	Attended Webinar on "NAAC: Systematic Data Organization & Presentation"	16/05/2020
	Participated in Online Webinar on "Intellectual Property Rights"	30/05/2020
	Participated in " International Day of Yoga"	21/06/2020
	Webinar Series "Self-reliance in Career and Exploring dimensions of life",	27/06/2020-28/06/2020
Prof. Santosh R Mitkari	One day Faculty Awareness Workshop on Induction Program for First Year Engineering	19/07/2019
	Half Day Faculty Guidance seminar on "Project Based Learning"	24/01/2020
	One Week Online Faculty Development Program on "LATEX"	11/05/2020-15/05/2020
	One week Online Faculty Development Program on Drupal	18/05/2020-23/05/2020
	Three days online Faculty Development Program on "Data Science using R"	28/05/2020-30/05/2020
	Participated in Online Webinar on "Intellectual Property Rights"	30/05/2020
	FDP on "Workflow Automation through Microsoft Teams"	09/06/2020



	Workshop on "Engineering Mathematics-III (S.E. 2019 course)"	29/06/2020
Prof. Milind A. Parvardhan	One day Faculty Awareness Workshop on Induction Program for First Year Engineering	19/07/2019
	One Week Online Faculty Development Program on "LATEX"	11/05/2020-15/05/2020
	Participated in Online Webinar on "Intellectual Property Rights"	30/05/2020-30/05/2020
Prof. Diksha P. Chopade	One day Faculty Awareness Workshop on Induction Program for First Year Engineering	19/07/2019
	6 days FDP on Python Programming	04/05/2020 - 09/05/2020
	One Week Online Faculty Development Program on "LATEX"	11/05/2020-15/05/2020
	One week Online Faculty Development Program on Drupal	18/05/2020-23/05/2020
	Participated in Online Webinar on "Intellectual Property Rights"	30/05/2020
	Improving Efficiency and power quality using software defined electricity	02/06/20
Prof. Yogesh D. Kute	One day Faculty Awareness Workshop on Induction Program for First Year Engineering	19/07/2019
	8 week NPTEL Online Certification Course completed on "Refrigeration and Air-conditioning"	29/07/2019-22/09/2019



	One day Syllabus Implementation workshop for the subject "Engineering Graphics"	9/1/2020
	Half Day Faculty Guidance seminar on "Project Based Learning"	24/01/2020
	12 week NPTEL online certification course on Fundamentals of Automotive systems	09/01/2020-24/04/2020
	6 days FDP on Python Programming	04/05/2020-09/05/2020
	One Week Online Faculty Development Program on "LATEX"	11/05/2020-15/05/2020
	One week Online Faculty Development Program on Drupal	18/05/2020-23/05/2020
	Participated in Online Webinar on "Intellectual Property Rights"	30/05/2020
	FDP on "Workflow Automation through Microsoft Teams"	09/06/2020
	Webinar on "Assessment of pre final year Engineering Students"	13/06/2020
Prof. Nayana N. Chavan	One day Faculty Awareness Workshop on Induction Program for First Year Engineering	19/07/2019
	One day Workshop on Effective Teaching Methodology for Engineering Mechanics 2019	27/07/2019
	Webinar on Research Methodology	30/04/2020



	One Week Online Faculty Development Program on "LATEX"	11/05/2020-15/05/2020
	One week Online Faculty Development Program on Drupal	18/05/2020-23/05/2020
	Online Faculty Development Training Program Under ISTE On "Technical Teacher's Training"	22/05/2020-27/05/2020
	Participated in Online Webinar on "Intellectual Property Rights"	30/05/2020-30/05/2020
	Online FDP on "Recent Advances in Civil Engineering"	02/06/2020-07/06/2020
	One Week Online Faculty Development Program on "Futuristic Advancements in Civil Engineering (FACE-2020)"	02/06/2020-07/06/2020
	FDP on "Workflow Automation through Microsoft Teams"	09/06/2020
	"Career Prospects in Civil Engineering & Role of B.A.I. in Fostering Civil Engineers"	20/06/2020
Prof. Urmila S. Zope	One day Faculty Awareness Workshop on Induction Program for First Year Engineering	19/07/2019
	One day Syllabus Implementation workshop for the subject "Engineering Graphics"	9/1/2020
	One Week Online Faculty Development Program on "LATEX"	11/05/2020-15/05/2020
	Participated in Online Webinar on "Intellectual Property Rights"	30/05/2020



	FDP on "Workflow Automation through Microsoft Teams"	09/06/2020
Prof. Kiran B. Naikwadi	One day Faculty Awareness Workshop on Induction Program for First Year Engineering	19/07/2019
	One Day Workshop on Engineering Mathematics-I (Revised 2019)	27/07/2019
	Half Day Faculty Guidance seminar on "Project Based Learning"	24/01/2020
	One Week Online Faculty Development Program on "LATEX"	11/05/2020-15/05/2020
	Attended Webinar on "NAAC: Systematic Data Organization & Presentation"	16/05/2020
	One week Online Faculty Development Program on Drupal	18/05/2020-23/05/2020
	Participated in Online Webinar on "Intellectual Property Rights"	30/05/2020
	Attended Webinar on "Matlab for Deep Learning"	30/05/2020
	FDP on "Workflow Automation through Microsoft Teams"	09/06/2020
	International Level 5 Days Faculty Development Program on "Gateway to Innovation"	22/06/2020-26/06/2020
Prof. Smita S. Jadhav	Workshop on "Engineering Mathematics-III (S.E. 2019 course)"	29/06/2020
	One day faculty orientation workshop on Engineering Chemistry (FE revised syllabus)	29/07/2019



	2019)	
	One Week Online Faculty Development Program on "LATEX"	11/05/2020-15/05/2020
	Application of Chemistry in Engineering	12/05/2020
	One week Online Faculty Development Program on Drupal	18/05/2020-23/05/2020
	NAAC Accrediation Management system demo	22/05/2020
	Online Faculty Development Program on "Art of Research Paper Writing And IPR	25/05/2020-27/05/2020
	Participated in Online Webinar on "Intellectual Property Rights"	30/05/2020
	FDP on "Workflow Automation through Microsoft Teams"	09/06/2020
	One week Faculty Development Program on 'Future Materials: Nanocomposites'	15/06/2020-21/06/2020

b. International

NIL

28. Participation of teachers in various academic activities as members of committees at University level, State level, National level, International level bodies. (give details)

Sr. No.	Name of Staff	Name of Event	Organized by	Date
1	Prof. Dr. Avinash M. Pawar	Appointed as Chairman for the subject EG-I (102006) for FE 2015 Course theory exam 2 hours(Out of 50 marks) sem.-I Appointment No.18211669	Savitribai Phule Pune University	25/08/2018



2	Prof. Dr. Avinash M. Pawar	Appointed as First year admission Co-coordinator 2019-20.	DTE Maharashtra	04/06/2019
3	Prof. Dr. Avinash M. Pawar	Appointed as a Paper Setter and Examiner in the subject of Paper-Engineering Graphics I (102006). Theory Exam 2 Hours (out of 50 Marks) Sem. I FE 2015 Course Credit System Appoint no.1922858	Savitribai Phule Pune University	21/08/2019
4	Prof. Dr. Avinash M. Pawar	Appointed as a Chairman, in the subject of Systems in Mechanical Engineering (102003), FE 2019 In Sem. (Theory) 2019 Pattern (Sem.-I) Appoint no.19233239	Savitribai Phule Pune University	27/08/2019
5	Prof. Dr. Avinash M. Pawar	Appointed as a Chairmen in the subject System in Mechanical Engineering(102003) 2019 Pattern (Sem.-I) Appoint no.19233246	Savitribai Phule Pune University	27/08/2019

29. Details of teachers appointed/nominated on Editorial Boards at university, state, national and international levels.

- Nil

30. Awards / Prizes and recognitions received by teachers at university, state, national and international level:

Sr. No.	Name of faculty	Achievement/Award/Recognitions	Awarding Agency	Year
1	Prof. Dr. Avinash M. Pawar	Awarded & successfully completed Ph.D. from Bharati Vidyapeeth's Deemed to be University, Pune on the thesis "An Innovative Approach to Improve the Electrochemical Machining Performance"	Bharati Vidyapeeth's Deemed to be University, Pune	2018-19
2	Prof. Yogesh D. Kute	Awarded by "Elite Certification" for completing 8 week NPTEL Online Certification Course completed on "Refrigeration and Air- conditioning"	IIT Roorkee, (NPTEL Online Certification) funded by the Ministry of HRD, Govt. of India.	2019-20



31. Awards and Prizes at university received by students, state, national and international level:

A.Y. 2019-20 Achievement Non-Technical Event

Sr. No.	Name of the Student	Name of Activity	Recognition/Award	Date	Organised by
1	Pranavi Kushire	Maharashtra's First Women Trekking Competition	1 st	2020	Shiv Kranti Hindavi Sena Maharashtra

A.Y. 2019-20 Achievement: Scholarship

Sr. No.	Name of the Student	Name of Activity	Received Amount	Date	Organised by
1	Vaishnavi Ramakant Biradar	Lila Poonawala Scholarship	Rs 50000/-	20/11/2019	Lila Poonawala Foundation
2	Jayshree Shivaji Ghogare	Lila Poonawala Scholarship	Rs 50000/-	20/11/2019	Lila Poonawala Foundation
3	Piyusha Prakash Patil	Lila Poonawala Scholarship	Rs 57000/-	20/11/2019	Lila Poonawala Foundation
4	Sarvari Sunil Deshmukh	Lila Poonawala Scholarship	Rs 60000/-	20/11/2018	Lila Poonawala Foundation
5	Simran D'souza	Kiran Girl's Scholarship	Rs 40000/-	15/10/2019	Persistent Foundation

32. Details of Seminars/ Conferences/Workshops organized at university, state, national and international level and the source of funding with details:

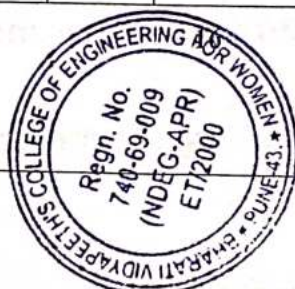
Name of Conference/ Seminars / Workshops	Funding agency	No. of Participants	University/State/National/ International	Dates
NIL	NIL	NIL	NIL	NIL

33. Student profile programme-wise at UG and PG

UG	Applications Received	No. of students Admitted	Seats Available	Female	Year
UG	Not Applicable since admission processes is as per DTE norms.	172	240	172	2018-19
		185	240	185	2019-20

34. Year-wise results of students at UG and PG:

UG	Year	Appeared	Passed	Pass %	Grade %			
					I class	I class	II class	Pass



					with Dist.		Higher II+II	class
UG	2018-19	172	149	86.62%	29.65 %	8.72%	1.16%	47.09 %
UG	2019-20	183	167	91.25%	31.69%	9.83%	0.00%	49.72%

35. Information about M. Phil. programme:

- NIL

36. Information about Ph. D. programme :

- NIL

37. Number of students awarded M.Phil., Ph.D. ,Degree :

- NIL

38. Diversity of Students : (Year-wise)

Name of the Programme	Year	% of students from the same University	% of students from other Universities within the State	% of students from Universities outside the State	% of students from other countries
UG	2018-19	58.38	34.68	6.94	0
	2019-20	50.27	43.25	6.48	0

39. Number of students cleared Civil Services and Defense Services examinations, NET, SET, GATE and other competitive examinations? Give Category wise data.

Year	MPSC/UPSC	NET/ SET	GATE	Other Exams	Total
2018-19	NA	NA	NA	NA	NA
2019-20	NA	NA	NA	NA	NA

40. Student progression/ placement record: Number/ percentage of students proceeded for higher studies Number/percentage of students placed:

Year	% proceeded for higher studies		% of students placed
	UG to PG	PG to Ph.D./ M.Phil.	
2018-19	NA	NA	NA



2019-20	NA	NA	NA
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41. Diversity of Faculty:

Teaching faculty	% 2018-19	% 2019-20
from the same university	10	10
from other universities within the State	90	90
from other States	00	00
from outside the country	00	00

42. Number of faculty who were awarded M.Phil., Ph.D., D.Sc. / D.Lit.:

Sr.No	Name of faculty	Degree Awarded	Awarding University	Year
1.	Prof.Avinash. M. Pawar	Ph.D.	Bharati Vidyapeeth's Deemed to be University, Pune	2018-19

43. Present details of departmental infrastructural & other facilities with regard to

a) Central Library Books and Journals, etc., relevant to Department:

Total No. of Books (Last Five Years)	3472
Journals-	5
Periodic	0
E-Journals	218

b) Departmental Library (books, journals etc.) :

No. Of Books	433
No Journals	Nil

c) Computers and Internet facilities for staff : 11

- A CADLAB is provided for students having internet speed of 16mbps. Computer laboratories have computers with internet connection.



- Wi-Fi facility and internet facility is also available in the department, it's access on the computer, laptop made available to the faculty and students in the campus.
- 32 Mbps (ISP: Tata TV service)
- Entire Department is Wi-Fi enabled.

d) Total number of class rooms	: 3
e) Class rooms with ICT facility	: 3
f) Students' laboratory	:
	06 + 01(Drawing Hall) + 01 (Workshop)
g) Research laboratories	: 00
h) Seminar Hall	: NA
i) Smart class room	: 01
j) Any other facility LCDs	: 03

44. List of post-doctoral students and Research Associates

a) Post-doctoral. Students-

- NIL

b) Research Associates

- NIL

45. Number of post graduate students getting financial assistance from the university/state / central government

- NA

46. Curricular Aspects:

a) Does the faculty take initiative in curriculum development process?

- Yes.

The syllabus is designed by Savitribai Phule Pune University. The department faculties are involved in

1. Syllabus designing – Dr. A.M.Pawar, Mrs. Smita S. Jadhav (For Bharati Vidyapeeth, Pune)

2. Online exam question verification & validation – Dr. A.M.Pawar

3. Question paper setting (theory, online) – Dr. A.M.Pawar

4. Moderation and assessment – All faculties

b) Is curriculum suitable to make students globally competitive in the Subject?

If yes, substantiate.

- NA

Sr. No	Year	No. of students	Institution Name	Program Name
1	2018-19	NA	NA	NA
4	2019-20	NA	NA	NA



Competitive Exams

Year	Number of students selected/ qualifying								
	NET	SLET	GATE	GMAT	CAT	GRE	TOFEL	Civil Services	State government examinations
2018-19	NA	NA	NA	NA	NA	NA	NA	NA	NA
2019-20	NA	NA	NA	NA	NA	NA	NA	NA	NA

- c) Does the department offer program with sufficient no. of electives options?
- N.A.
- d) While framing curriculum, is feed-back taken from stakeholder's viz. Students/Alumni/Parents/Employers considered?
- College is affiliated to Savitribai Phule Pune University (SPPU) hence while framing the curriculum, analysis of the feedback taken from stakeholders, is forwarded to Board of Studies Members of Computer department, Savitribai Phule Pune University.
- e) What is the frequency of curriculum revision? (3/4/5 years or more)
- 3 Years
- f) Does the curriculum have emerging thrust areas, including interdisciplinary Areas? (If yes, elaborate).
- Yes.

47. Teaching-Learning, Evaluation.

1) Number of teachers preparing & following Academic Teaching plan

2018-19	2019-20
10	10

2) How many teachers use the following teaching methods?

		2018-19	2019-20
a.	Interactive lecture method using blackboard, Group discussions, Problem solving, Seminars	10	10
b.	Use ICT methods to support lectures.	10	10

3) Does the Department have Peer review processes? If yes, are the suggestions effectively used to improve the teaching quality?

- Yes, the department has effective student feedback system at the end of every semester. The analysis of this feedback is used to improve teaching quality.
- Yes. A mentor is assigned for each course. The mentor conducts meeting to guide and take review of the peer before and during the conduction of the course. The



suggestions given by the mentor are implemented by the mentee to improve the teaching quality.

4) Does the department have any mechanism to ensure that entire syllabus is Completed?

- Yes, the department implements the Academic monitoring system where the completion of syllabus is checked by the Mentor.

5) Do you offer Bridge/Remedial courses? If yes, Give details.

- NO

6) What is the method for conducting internal evaluation?

- Unit Test I: It is conducted on Unit 1 and 2. The exam is conducted for students before INSEM examination of SPPU.
- Assignment 1: on Unit 3 is conducted.
- Unit Test II: This exam is conducted after INSEM Exam .It is conducted on Unit 4 and 5.
- Assignment 2: on Unit 6 is conducted.
- Practical Courses: Continuous progressive assessments are done through viva, presentation, report submission and laboratory quiz, etc.
- Various co-curricular activities: In this component, home assignments, tutorials, problem solving, group discussions, quiz etc. are conducted and evaluated regularly.

48. Teacher Performance:

- 1) Whether the performance of the teacher assessed by the students? If yes, are the feedback reports analysed and suggestions communicated to teachers?
 - Yes, A proper record of collected feedback is maintained and analysed Further for necessary actions.
- 2) Number of teacher's remarks from students.

Sr. No	Academic year	Semester	Excellent	Good	Satisfactory	Average
1	2017-18	SEM-I	10	-	-	-
		SEM-II	10	-	-	-
2	2018-19	SEM-I	10	-	-	-



	SEM-II	10			
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3) Whether suggestion boxes are kept in the department to get suggestions from Students on infrastructural facilities available in the department?

• Yes

4) Are the suggestions received from students used for improvement of Facilities?

• Yes

5) Do teachers submit Self-Appraisal Reports? Are these reports appraised by HOD and forwarded to the university with comments?

• Yes

6) What is the individual faculty wise h index?

Sr. No	Name of Faculty	h Index
1	Prof.Dr. Avinash. M. Pawar	3
2	Prof.Kharche W.G.	-
3	Prof.Santosh. R. Mitkari	-
4	Prof. Milind A.Patvardhan	-
5	Prof.Yogesh .D.Kute	-
6	Prof.Diksha P. Chopade	1
7	Prof.Nayana N. Chavan	1
8	Prof.Urmila S. Zope	1
9	Prof.Kiran B. Naikwadi	-
10	Prof. Dr. Sonali V. Dhamal	1

7) Give details of "beyond syllabus scholarly activities" of the department.

Sr. No	Academic Year	Class	Name of Activity
1	2018-19	FE	
2	2019-20	FE	



49. List the distinguished alumni of the department (maximum 10)

Sr.No.	Name of Alumni	Distinguishing Details	Pass out Year
NA	NA	NA	NA

50. Give details of student enrichment programmes (special lectures / workshops / seminar) involving external experts.

The session was held on 22nd January 2020 for first year engineering students in seminar hall at 11:00 am to 1:00 pm by motivational speaker **Raghavan Koli**. The person is an author of the book, "The Conqueror of Destiny". He is associated with NGO help desk education, Pune and motivates students throughout India.

Academic Year 2019-20

Sr. No	Date	Type of Event	Name of Activity	Name and Address of resource person	Contact Details	Organized for
1	25/02/2020	Seminar	Importance on English Communication WordsMaya	Mr.Harshad Bhagwat	9960417415	First Year students

51. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

The attainments levels are determined by direct (student performance) and indirect (surveys) assessment methods.

Direct Assessment:

Process for Direct Assessment Method is as follows:

Course Outcome (CO) Attainment:

- Attainment level is measured in terms of student performance in internal examinations with respect to Course Outcomes of a course and university examinations.
- Target is stated as the average marks in the corresponding examination for last three years.
- Attainment levels are defined as follows:

Level 0: Less than 50% of students scoring more than set target marks.

Level 1: 50% of students scoring more than set target marks.



Level 2: 60% of students scoring more than set target marks.

Level 3: 70% of students scoring more than set target marks.

- Attainment is measured in terms of actual percentage of students getting set percentage of marks.
- CO attainment is calculated by assigning 60% weightage to university examination and 40% weightage to internal assessment.

Program Outcome (PO) Attainment:

- A particular PO is mapped to all COs of a course by considering correlation levels 1, 2 and 3 as defined below:
1: Slight (Low) 2: Moderate (Medium) 3: Substantial (High)
- Direct attainment level of PO is determined by considering all courses and hence CO attainment addressing that PO.

Indirect Assessment

Process for Indirect Assessment Method is as follows:

- Surveys such as Exit survey, Alumni survey, External examiner survey, Project examiner survey, Question paper survey, Employer survey and Parent survey are considered in the indirect method, which contributes to the attainment of POs.
- These give an idea about the strengths and weaknesses of program, thus providing a basis for revision of Pos.

Overall PO Attainment

- PO attainment level is based on attainment levels of direct assessment and indirect assessment.
- PO attainment level is determined by assigning 75% weightage to direct assessment and 25% weightage to indirect assessment.

52. Highlight the Special facilities (if, any) of the Department.

Sr. No.	Name of the Laboratory	Laboratory Equipment Details
1	Cadlab	Lenovo branded Pc-Model No. 1015G,CPU-i3-3240T29 HDD-500GB RAM-2GB. ODD- DUDR/WOS-DOS, HP Laser jet 1020 Plus Printer, Quick- Heal antivirus, , Hitachi LCD Projector Model No-CPX 308(2600 Lumens, XGA, PC Less, Wireless)
2	Electrical Lab	Single phase transformer and 3 phase induction motor, 3 phase synchronous motor, 3 phase alternator, D.C.motor



3	Mechanical Lab	Model of two stroke-four stroke petrol and diesel engine, Model of Cochran & Babcock wilcox boiler, Center lathe model, Drilling m/c model, Kaplan turbine model, Francis turbine model, Pelton wheel turbine model, House hold Refrigerator, Gear Sets(8 gear set), Centrifugal & reciprocating Pump, Four Bar Link Mechanism, Reciprocating Engine & Oscillating Cylinder Mechanism, Disc Break
4	Civil Lab	Hand Held GPS –Garmin -76, Pocket Laser Level, Laser Distance meter having range of 60mtr, Laser level wave of length 635 nm accuracy 90+30degree Horizontal line +1-1mm/10m, Compensating range + 1-4degree, Placom Digital Planometer KP 90N, Roller Type with user manual & carrying case, Dumpy Level DI-9, Laser Distance Meter
5	Mechanics Lab	Parallel Force Apparatus, Rope/ Belt Friction apparatus
6	Physics Lab	CRO (Aplab make), Ultrasonic Interferometer, e/m by Thomson's method, Diffraction Grating kit, Variable DC Power Supply, Spectrometer Delux Type, Fraunhofer diffraction due to a single slit using a laser source, Characteristics of photo cell, Malu's Law Apparatus, Hall Effect Setup, Decibel meter (yfe)
7	Chemistry Lab	Digital Potentiometer, Conductivity Meter, PH Meter, Colorimeter, Electronic Digital Balance, IR Lamp, oven, muffle furnace, distillation plant
8	Workshop	Circular Saw Machine, C.I. Surface Plate, Power hacksaw, Gas welding set, Welding transformer 3 phase, Welding Transformer 1 phase, Wood turning lathe, Sheet cutting machine, Wood Turning Lathe Machine, Drilling Machine (screw, riveting facility)

53. Highlight the unique features of the department.

- Well experienced faculties with average teaching experience of more than 12 years.
- Classrooms are specially designed to avail the benefits of ample sunlight in order to reduced electricity consumption.

54. State the Innovative practices adopted in the department.

Teaching innovation is the process of coming up with new ideas, theories, collaboration and solutions that can be shared in the classroom. Components of innovation are creative, diverse, collaborative, and perceptive learning. Creative efforts are followed by the teacher to bring out the innovation in classroom. Experienced faculties have come out from the traditional way of teaching and learning (chalk & talk) and adopted innovative and creative approach. Innovative methods used are as follows:

- **E-learning** :Faculty have created courses on Moodle, Myexamo, Android Apps for their respective subjects to implement flipped classroom activities which provides



not only a huge E-learning repository at different cognitive levels like multiple choice question quizzes, assignments, practical write ups, question bank, animations, video lectures but also many platforms for interaction with students like discussion forum, chat forum.

- **Interactive learning:** Faculty have designed quizzes & crossword puzzles to test progress of students. Faculty facilitate methodologies such as group interactions and role plays among the students to make learning interactive. Faculty members show animations, videos, 3D models in classrooms, pose a question to visualise and think on the topic. Students are allowed to pair and share their answer. Faculty ask students to make use of clickers for MCQ question posed during the lecture or take vote from students about the correct answer, the aim of this activity is to correct the logic for problem solving approach.
- **Project based learning:** Faculty from Engineering sciences and Allied Engineering department guides students to carry out their projects.

55. Highlight the participation of students and faculty in extension activities.

- National Service Scheme (NSS)
- Tree Plantation
- Seminars and Workshops.

56. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

a. Strengths:

- i. Experienced & dedicated staff with good retention ratio.
- ii. Faculty involved in interdisciplinary research & book's publication.
- iii. Adaptive & effective Teaching Learning Process using continuous evaluation.
- iv. Faculty members are involved in design, development & implementation of curriculum in board of studies of affiliating University.

b. Weaknesses:

- i. No. of faculty with PhD is comparatively less.
- ii. Few research publications in peer reviewed international Journals having high impact factor.
- iii. Less number of university approved faculty.

c. Opportunities:

- i. To initiate interdisciplinary projects and utilisation of laboratories for such projects.
- ii. To improve result of first year students.

d. Challenges:



- i. Cater to the need of students with diverse capabilities.
57. Future plans of the department:

a. **Long term plans-**

- Implementation of ERP.
- Online submission and assessment of assignment and unit test.

b. **Short term plans**


- To organize special sessions for students on Personality Development.
- To motivate staff members to practice flipped classroom.
- Encourage staff members to participate in STTPs and FDPs.

Declaration by the Head of the Department/Institution:

I am aware that the above information provided by the department will be validated by the AAA committee during the visit.

Date: 17/06/2020


Head of Department
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Prof. Khot S. T.
(**EQAC** Coordinator)

