

**Savitribai Phule Pune University**  
Annual Report Information 2020-2021  
Planning and Development

AR2104720

College Details						
1.	Name Of the Department/College/Institute	: Pravara Rural Education Society Sir Visvesvaraya Institute of Technology Addr: Chincholi Ta: Sinnar Dist: Nashik	2.	Address Of the Department/College/Institute	: Chincholi Ta: Sinnar Dist: Nashik Pincode: 422101	
3.	Name Of the Head/Principal/Director	: K T V Reddy	4.	Tele (O/R) With STD Code/Mobile No., Fax No, Email Address and Website Address	: Tele.- 02551-271278 Email- office_svmec@yahoo.co.in URL- www.svitnashik.in	
5. Reference Books/Monographs Published by Teacher (2020-2021) :						
Sr. No.	Name of the Teacher(s)/Author	Title of the Reference Books/Monographs	Name and Place of Publisher(s)	Date of Publication	Isbn/Issn No.	
1	Jachak Sweety Godhiram	DIGITAL WATERMARKING TECHNIQUE	LAMBERT Academic Publishing	2020	978-620-2-67648-9 / 6202676485	
6. No. of Conference, Symposia, Seminars, Workshops etc. Organized (2020-2021)						
Sr. No.	No. of State Level	No. of National Level	No. of International Level			
1	37	18	11			
7. Research Publications in National and International Journals/Edited Books/Proceedings (2020-2021)						
Sr. No.	Name of the Teacher's/Author	Title of the Paper	Name of the Journal/Proceeding/Edited Book	Volume & Pages	Year of Publication	ISBN/ISSN No.
1	Kharde Yashwant Ramchandra	Effect of graphite addition on mechanical and sliding wear characteristic of novel Al25Zn/SiC hybrid composite	Ceramics International, CERI-D	4 & 6	2020	ISBN / ISSN
2	Kharde Yashwant Ramchandra	Pin Temperature and Al2O3 Fillings Effect on Sliding Wear Characteristics of Al-25Zn/Al2O3 Composites	Journal of Engineering Tribology	ITRS2020 & 10	2021	025 / 026
3	Kharde Yashwant Ramchandra	THERMOELECTRIC AIR CONDITIONING	International Research Journal of Engineering and Technology (IRJET)	08 & 5	2021	2395-0056 / 2395-0056
4	Kharde Yashwant Ramchandra	THERMOELECTRIC AIR CONDITIONING	International Research Journal of Engineering and Technology (IRJET)	08 & 5	2021	2395-0056 / 2395-0056

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5	Kharde Yashwant Ramchandra	Study of Mechanical properties and erosion wear behaviour of novel Al-25Zn alloy/SiC/Graphite hybrid composites.	Materials Today	22 & 9	2020	ISBN / 2214-7853
6	Kharde Yashwant Ramchandra	Effect of dual reinforced ceramic particles on elevated temperature tribological properties of hybrid aluminium matrix composites.	Advances in Materials and Processing Technologies	- & 17	2020	2374-068X / 23740698
7	Kharde Yashwant Ramchandra	Tribological characterization of LM26/SiC/Ni.-Gr. Hybrid aluminium matrix composites (HAMCs) for high temperature applications.	Materials Today	37 & 7	2020	ISBN / 2214-7853
8	Kharde Yashwant Ramchandra	Effect of diethyl ether additive in Jatropha biodiesel-diesel fuel blends on the variable compression ratio diesel engine performance and emissions characteristics at different loads and compression ratios.	Heat Transfer	49 & 20	2020	ISBN / 2688-4542
9	Kharde Yashwant Ramchandra	INVESTIGATING THE NOSIE AND FAILURE RESPONSE OF SUSPENSION SPRING OF METRO TRAINS BY RAIL CORRUGATION PROCESS	Industrial Engineering Journal	1 & 11	2021	NA / 0970-2555
10	Kharde Yashwant Ramchandra	VEN MODEL FOR WIND TURBINE FAULT ANALYSIS THROUGH SUPPORT VECTOR MACHINE PROCESS	Industrial Engineering Journal	1 & 10	2021	NA / 0970-2555
11	Varade Kiran Popat	AUTOMATIC RAILWAY GATE CROSSING CONTROL USING PLC	IRJET	7 & 6	2020	2395-0056 / 23950072

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12	Varade Kiran Popat	CASE STUDY ON ENERGY AUDIT OF ELECTRICAL DEPARTMENT	ACJ	9 & 5	2020	2231-3990 / 2231-3990
13	Varade Kiran Popat	SEMINAR HALL AUTOMATION USING MICROCONTROLLER	IJERT	9 & 5	2020	2278-0181 / 2278-0181
14	Varade Kiran Popat	By using power Electronics transformer based dvr to improve quality of power	JAC	8 & 5	2020	0731-6755 / 0731-6755
15	Dongare Ambadas Dnyanoba	Review on SPM for Evaporator, Radiator Leakage Testing Machine	International Research Journal of Engineering and Technology, Peer Reviewed And Referred International Journal	7 & 6	2020	e-ISSN: 2395-0056 / p-ISSN: 2395-0072.
16	Dongare Ambadas Dnyanoba	Design and Manufacturing of Twist Removing And Straightening Mechanism for Pipe	IJSRD - International Journal for Scientific Research & Development	9 & 5	2021	2321-0616 / 2321-0616
17	Dongare Ambadas Dnyanoba	Design and Manufacturing Monitoring of Torch Rotary Welding SPM for Exhaust System	IJIRCCE- International Journal of Innovative Research in Computer and Communication Engineering	9 & 4	2021	2320-9798 / 2320-9801
18	Chaudhari Shivaji Rambhau	Design & fabrication of Double helical spiral mixer	IJARIE	7 & 4	2020	2395-0072 / 2395-0056
19	Chaudhari Shivaji Rambhau	Design, analysis & Manufacturing of foldable electric Bicycle	IJARIE	6 & 4	2020	2395-4396 / 2395-4396
20	Mhaske Snehal Dnyandeo	Smart way of file conversion using PYTHON	IRJET	Volume 6, Issue 12 Volume 6, Issue 12 & 3	2020	ISSN 2395-0072 / ISSN 2395-0072
21	Pangarkar Bhausaheb Lahanu	Natural adsorbent from agricultural waste products for industrial effluent treatment-A review	Science, Technology and development	10 & 212	2021	0 / 0950-0707
22	Pangarkar Bhausaheb Lahanu	Efficient low cost oxygen generation techniques	International research journal of Engineering & technology	8 & 3792	2021	0 / 2395-0056

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23	Pangarkar Bhausaheb Lahanu	Gray water treatment by air-gap multi effect membrane distillation with pre-treatment by electrocoagulation	Water Practice & Technology	16 & 772	2021	0 / 1751-231X
24	Mande Anil Chandrabhan	Comparison of tribological behavior of SAE 5W30 mineral oil with addition of nickel based nanoparticle additives	IRJET	7 & 7218	2020	2395-0072 / 2395-0056
25	Dawange Manisha Vishnu	Control of Earth Leakage Current by Smart Earthing System	IJIREEICE	8 & 4	2020	0 / 2321-2004
26	Dawange Manisha Vishnu	Selecting Important Features for CKD Diagnosis And Prediction By Using LIGHTGBM	GIS SCIENCE JOURNAL	8 & 9	2021	0 / 1869-9391
27	Dawange Manisha Vishnu	Industrial Automation and Tariff Control Using Arduino	IJIREEICE	8 & 5	2020	0 / 2321-2004
28	Dawange Manisha Vishnu	Using Power Electronics Transformer Based DVR To Improve Quality Of Power	GIS SCIENCE JOURNAL	8 & 6	2021	0 / 1869-9391
29	Polade Goraksha Bhausaheb	USING POWER ELECTRONICS TRANSFORMER BASED DVR TO IMPROVE QUALITY OF POWER	GIS SCIENCE JOURNAL	VOLUME 8, ISSUE 4, 2021 & 6	2021	1869-9391 / ISSN NO : 1869-9391
30	Vikhe Balasaheb Sahebrao	Feasibility Analysis and Structural evaluation of Connecting rod.	International Research Journal of Engineering and Technology (IRJET)	Volume: 07 & 3	2020	e-ISSN: 2395-0056 / e-ISSN: 2395-0056
31	Vikhe Balasaheb Sahebrao	Review Paper on – Intelligent Braking System	International Research Journal of Engineering and Technology (IRJET)	Volume: 07 & 4	2020	e-ISSN: 2395-0056 / e-ISSN: 2395-0056
32	Vikhe Balasaheb Sahebrao	Intelligent Braking System	International Research Journal of Engineering and technology( IRJET)	7 & 4	2020	2395-0072 / 2395-0056
33	Vaidya Vishal Khanderao	A NEW DESIGN AND MATHEMATICAL ANALYSIS OF VERTICAL AXIS WIND TURBINE FOR SMART CITIES	Juni Khyat	10 & 4	2020	0 / 22784632



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34	SINGH ANKITA	Resonant controller for grid connected voltage source inverter	IJAIEEM	9 & 12	2020	NA / 2319-4847
35	Autade Pravin Gorakh	Antiwear and extreme pressure performance of engine oil with nanoparticle additives	International Journal of All research Education and Scientific Methods	9 & 12	2021	2456-6211 / 2455-6211
36	Waje- Kashid Pratibha Vitthal	Smart Water monitoring system for real time quality and usage monitoring	IRJET	8 & 4	2020	2320-2882 / 2395-0072
37	Shedge Kishor Namdeo	DEPARTMENT ACTIVITY MANAGEMENT	IJCRT	8 & 5	2020	23202882 / 23202882
38	Chakor Atmaram Munjaji	A New Design and Mathematical Analysis of Vertical Axis Wind Turbine for Smart Cities	Juni Khyat	10 & 49	2020	0 / 2278-4632
39	Chavan Puja Appasaheb	Augmented Reality & Virtual Reality in Teaching, Fact or Truth	IJARJIE	6 & 5	2020	2395-4396 / 2395-4396
40	Wable Trupti Kaushiram	E Shape Patch Antenna for X Band	International Journal of Creative Research Thoughts	9 & 3	2021	NA / 2320-2882
41	Kare Amol Padmakar	A study on employee welfare and its impact on their performance with Special reference to Large scale Automobile Industry in Maharashtra.	AEGAEUM JOURNAL	9 & 14	2021	0776-3808 / 0776-3808
42	Walhekar Sagar Pradip	Design and Fabrication of Weight Operated Material Handling System	International Research Journal of Engineering and Technology (IRJET)	7 & 4	2020	-- / 2395-0056
43	Walhekar Sagar Pradip	Feasibility Analysis and Structural Evaluation of Connecting ROD	International Research Journal of Engineering and Technology (IRJET)	7 & 3	2020	-- / 2395-0056
44	Walhekar Sagar Pradip	Dual Mass Flywheel	International Journal for Scientific Research & Development (IJSRD)	8 & 3	2020	-- / 2321 0613

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45	Kharde Yashwant Ramchandra	Effect Analysis of Process Parameters on Lubricated Sliding Wear of Al-25Zn-2Cu-2.5Si Alloy for Plain Bearing Application.	Techno Social 2020	1046	2021	978-3-030-69924-6 / 978-3-030-69925-3
46	Kharde Yashwant Ramchandra	Elevated Temperature, Tribological Characterisation of hybrid aluminum matrix composites	International conference on Research Challenges to Multi- Disciplinary Innovation	8	2021	ISBN / ISSN
47	Avhad Popat Eknath	E-Resources Management in Engineering College Libraries	2020	2352	2020	978-93-5108-895-0 /
48	Dawange Manisha Vishnu	Variable Attribute Based & OwnerEnforced Search Authorization In Cloud	NCIRST-21	5	2021	0 / 0
49	Dawange Manisha Vishnu	Multiple U Slotted Microstrip Antenna Design for Wimax and Wideband Applications	i-CREATE-2020,	3	2020	0 / ISSN: 2249 – 8958
50	Vaidya Vishal Khanderao	A New Design and Mathematical Analysis of Vertical Axis Wind Turbine for Smart Cities.	CONVERGENCE 2020	4	2020	2278-4632 / 2278-4632
51	Singh Ankita Kuwar	CESD0-2020	Power Electronic transformer based DVR to Enhance the power quality	12	2020	NA / NA
52	Shedge Kishor Namdeo	ESAT FOR E- BUSINESS SITE	IJSMR	5	2020	25823930 /
53	Wable Trupti Kaushiram	Multiple U Slotted Microstrip Antenna Design for Wimax and Wideband Applications	International Journal of Advance Science & Technology	7	2020	2005-4238 / 2005-4238

**8. Research Projects/Schemes Undertaken by Teachers (2020-2021)**

Sr. No.	Name of the Investigator(s)	Faculty	Title of the Research Project/Scheme	Name of the Funding Agency	Duration of the Project/Scheme	Amount Sanctioned (Rs.)	Major/Minor
NA	NA	NA	NA	NA	NA	NA	NA

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9. Teachers Attended Conferences, Seminars, Symposia, Workshops etc. (2020-2021)					
Sr. No.	No. of Teachers Attended State Level		No. of Teachers Attended National Level		No. of Teachers Attended International Level
1	14		27		9
10. No. of Collaboration with International Institute/Colleges/University Department during the Year (2020-2021)					
Sr. No.	MoU	Exchange Program		Exchange of Teachers	Franchise
1	12	0		0	0
11. Grants Sanction for Funding Agency (2020-2021)					
Sr. No.	UGC	DST/DBT/B.Voc.	CE/CPE	S.P. Pune University	Any Other
1	0	0	0	5	0

12. Faculty Wise Enrollment Of Students (2020-2021)													
Faculty	Sex	Open	Sc	ST	DT(A)	NT	NT(B)	NT(C)	NT(D)	OBC	SBC	Physically Challenged	Total
Engineering	FEMALE	19	2	3	0	0	1	2	30	31	0	0	88
	MALE	32	6	1	0	0	1	7	34	58	3	0	142
TOTAL		51	8	4	0	0	2	9	64	89	3	0	230

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13. Statistical Information about Teacher for Academic Year (2020-2021)							
Sr.No.	Category	Granted			Non Granted		
		Male	Female	Total	Male	Female	Total
1	NT(C)	1	0	1	1	0	1
2	OBC	2	0	2	4	0	4
3	OPEN	3	0	3	13	1	14
Date :	<b>Total</b>	6	0	6	18	1	19

Place :

Signature  
HOD/Principal/Director



*(Signature)*  
**Principal**  
Sir Visvesvaraya Institute of Technology  
Chincholi, Nashik-422102