


Faculty Profile

Personal Details

Name	Dr. Deshvena Shailaja Swamirao.	
Designation	Assistant Professor (ADHOC)	
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Academic Qualifications

Degree	Specialization	University	Year of Passing
B.Tech. (Agril.Engg)	Agricultural Engineering	Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani.	2010
M.Tech. (Agril.Engg. FMPE)	Farm Machinery and Power Engineering	Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani.	2013
Ph.D. (FMPE)	Farm Machinery and Power Engineering	Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani.	2019
Additional Qualification			
Computer course	Computer	DOEACC Society	2006
Computer Certificate course	'AUTOCAD'	All India Council for Professional Excellence, ATC	2021
Computer Certificate course	'CATIA V5'	All India Council for Professional Excellence, ATC	2021

Professional Experience

Stream	Years	Stream	Years
Teaching	6	Research	2
Extension	1	Administration	Nil

Area of Research / Interest

Farm power, Farm Machinery, Farm Mechanization, Root crop Harvesting Machinery, Bullock operated rotary mode unit for post harvested processing machines and Agricultural drone.

Research Guidance

Degree	No. of Student & Guided
M.Sc./M.Tech	Nil
Ph. D.	Nil

Research Accomplishments (Recent Publications)

Sr. No	Title	Journal	ISSN / ISBN	NAAS Rating
1.	Sustainable utilization of bullock power through rotary mode power transmission system in operation of flour mill.	Frontiers in Crop Improvement	Vol 9 : 2926-2930 December 2021 Print ISSN : 2393-8234	4.67
2.	Advanced design using animal power in rotary mode operation for pulses polisher machine.	Frontiers in Crop Improvement	Vol 9 : 2468-2471 December 2021 Print ISSN : 2393-8234	4.67
3.	Development of an efficient transmission system (rotary mode) for post harvest operation -grain cleaner cum grader.	Journal of Ento and Zoology Studies JEZS 2021; 9(1): 1045-1050 13-October-2020	Volume -08 Issue-6 ,2020 13-10-2020 E-ISSN: 2320-7078 P-ISSN: 2349-6800	5.53
4.	Utilization of bullock energy by using rotary mode power transmission system in operating agro-processing unit (shevai machine).	Journal of Ento. and Zoology Studies JEZS 2021; 9(1): 1051-1057 18-October -2020	Volume -08 Issue-6 ,2020 18-10-2020 E-ISSN: 2320-7078 P-ISSN: 2349-6800	5.53
5.	Development and performance evaluation of tractor drawn turmeric digger.	Inter. Journal of current micro. & applied science	ISSN:2319-7706 Volume-08 Number-4, 2019	5.38
6.	Development and performance evaluation of tractor drawn turmeric digger cum separator.	Inter. Journal of current micro. & applied science	ISSN:2319-7706 Volume-08 Number-2, 2019	5.38

Credentials:

Particulars	Numbers	Particulars	Numbers
Research Articles	06	Popular Articles	02
Books / Booklets	Nil	Book Chapters	Nil
Research / Technology Recommendations	02	Varieties Developed	Nil
Patents	Nil	Abstracts Published	04
Technical Publication	Nil		

Significant Achievements (Top Five)

Patent / IP / Technologies / Varieties / Machineries Developed / Methodologies / Recommendations	Year
1. Nil	---
Externally Funded Projects: Implemented / Handled / Assisted	
1. Nil	

Awards/Recognitions (Top Five)

1. Awarded by UGC "NATIONAL FELLOWSHIP FOR OBC STUDENTS in 2014 - 2015" for pursuing Ph.D in FMPE Dept.
