


# Faculty Profile

## Personal Details

Name	Dr. Tekale Dayanand Devidasrao	
Designation	Professor (Agril Engineering) in Farm Machinery and Power Engineering	
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## Academic Qualifications

Degree	Specialization	University	Year of Passing
B.Tech (Agril. Engg)	Agricultural Engineering	VNMKV Parbhani	1991
M.Tech (Agril. Engg)	Farm Machinery and Power	MPKV, Rahuri	1993
Ph. D.	Farm Machinery and Power	VNMKV Parbhani	2021
Additional Qualification (if any): Additional Degree/Diploma/NET/SET			
Diploma in Civil Engg.	Civil Engineering	M.S. Technical Board Bombay	1986

## Professional Experience

Stream	Years	Stream	Years
Teaching	24 Years	Research	11 Years
Extension	24 Years	Administration	12 Years

### Area of Research/Interest

Farm Machinery and Power Engineering

## Research Guidance

Degree	No. of Student & Guided
M.Tech	06
Ph. D.	-

## Research Accomplishments (Recent Ten Most Important Publications)

Sr.No	Title	Journal	ISSN/ISBN	NAAS Rating
01	Study of Engineering Properties of fly ash bricks for construction	International Journal of Innovative research in Science engineering and Technology vol.5 Issue 5,pp:8022-8025(2016)	ISSN-2347-6710	<b>Impact factor:7.512</b>
02	Performance evaluation of animal driven Rotary mode Power transmission system to operate flour mill	International Journal of Innovative research in Science engineering and Technology vol.5 Issue 5,pp:6887-6892(2016)	ISSN-2347-6710	<b>Impact factor:7.512</b>
03	Performance evaluation of bullock drawn cotton planter cum fertilizer drill	Multilogic in science vol.VI Issue XIX, pp:216-221{2017}	ISSN-2277-7601	<b>Naas rating - 5.20</b>
04	To investigate performance of bullock drawn turmeric and ginger harvesting equipment.	Multilogic in science vol. VIII, Issue XXII, pp:259-263 (2018)	ISSN-2277-7601	<b>Naas rating - 5.20</b>
05	Development and Evaluation of Low-Cost Deep Litter Type Poultry House	Iconic Research and Engineering Journals vol.3Issue 8pp218-223 (2020)	ISSN-2458-8880	----
06	Economic viability of the pneumatic suction type cotton boll picking machine	International Journal of Innovative research in Science engineering and Technology vol.10 Issue 10, pp:1690-1697(2021)	ISSN-2347-6710	<b>Impact factor:7.512</b>
07	Computer aided design optimization and performance evaluation of pneumatic suction-based cotton boll picking machine	International Journal of agriculture Science vol.13 Issue 2 pp-10658-10662(2021)	ISSN-0975-3710	<b>Naas rating - 5.50</b>
08	Ergo technical evaluation of the pneumatic suction-based cotton boll picking machine	The pharma innovation Journal SP-10(2):97-101(2021)	ISSN-2349-8242	<b>Naas rating - 5.03</b>
09	Performance evaluation of tractor mounted axial flow mist blower	Current Journal of applied science and Technology vol,42issue 33 pp21-29 (2023)	ISSN-2457-1024	

## Credentials:

Particulars	Numbers	Particulars	Numbers
Research Articles	25	Popular Articles	27
Books / Booklets	07	Book Chapters	02
Research/Technology Recommendations	10	Varieties /Implements developed	05
Patents	-----	Abstracts Published	15
Technical Publication	05	Radio talk	15

## Significant Achievements (Top Five)

Sr.no.	Patent/IP/Technologies/ Varieties/Machineries Developed / Methodologies/ Recommendations	Year
1.	Development of efficient transmission system ( Rotary Mode ) with Matching gadgets for post harvest operations	2016-17
2.	Design and development of bullock drawn earthing up cum inter-culturing implement with fertilizer application unit for sugarcane and turmeric crop	2017-18
3.	Design and development of single bullock drawn twin ferti hoe	2017-18
4.	Development of bullock drawn turmeric and ginger digger for raised bed planting	2017-18
5.	Design, Development of Tractor operated raised bed planter Cum sprayer	2018-19
6.	Design Development of Three tyne hoe with furrow opener for BBF sowing	2018-19
7.	Design and development of single bullock drawn planter	2018-19
8.	Design and development of bullock drawn mulch laying machine	2019-20
9.	Design development and performance evaluation of bullock drawn cotton planter cum fertilizer drill	2019-20
10.	Development of bullock drawn turmeric Interculture cum earthing up implement	2019-20

### Externally Funded Projects: Implemented/Handled/Assisted

Sr.no.	particulars	year
1.	Worked as a CO PI (SPM) and Instrumentation at NAHEP CAAST project amounting Rs. 18.00 cr funded by world bank under ICAR New Delhi	2022-23
2.	Worked as Deputy university Engineer since 2019, and completed no. of buildings and structures approximate amounting Rs, 25 .00 cr. funded by ICAR New delhi, state govt. of Maharashtra and university grants	2019 to till to date

### Awards/Recognitions (Top Five)

1.	First award for poster presentation in National level ISAE convention held at UAS Raichur during November 6-8 ,2023
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