


Faculty Profile

Personal Details

Name	GOPAL UTTAMRAO SHINDE	
Designation	Associate Professor of Mechanical Engineering	
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Academic Qualifications

Degree	Specialization	University	Year of Passing
B.E.	Production Engg.	Dr. B.A.M.U., Aurangabad	1994
M.Tech.	Mechanical Engg.	I.I.T., Kharagpur (W.B.)	2001
Ph.D.	Mechanical Engg	S.R.T.M.U., Nanded	2013
Additional Qualification (if any): Additional Degree/Diploma/NET/SET			
MBA(Mktg)			1997

Professional Experience

Stream	Years	Stream	Years
Teaching	29 (17-VNMKV)	Research	29 (17-VNMKV)
Extension	29 (17-VNMKV)	Administration	29 (6-VNMKV)

Area of Research/Interest

Agricultural:

Mechanization, CAD/CAM/CAE, Automation, Agri-Bot, Agri-Drone, Agri-AGV, AI, DML, OR in Agriculture, Digital Technologies in Agriculture.

Mechanical Engineering: Machine Design, Drawing, Manufacturing Processes, Theory of Machine, Advanced Manufacturing

Management: Production Management, Operational Research, Statistical Analysis, Marketing

Research Guidance

Degree	No. of Student &	Guided
M.Sc./M.Tech	31	07
Ph. D.	07	02

Research Accomplishments (Recent Ten Most Important Publications)

Sr. No	Title	Journal	ISSN/ISBN	NAAS Rating
1.	Design optimization in rotary tillage tool system components by computer aided Engineering Analysis	International Journal of Environmental Science and Development (IJESD)	ISSN: 2010-0264 (Print); 2972-3698 (Online)	Impact Factor: 0.86 NAAS: 6.86 H-10
2.	Computer aided engineering analysis and design optimization of rotary tillage tool components	International Journal of Agricultural and Biological Engineering (IJABE)	ISSN : 1934-6344 Linking ISSN (ISSN-L): 1934-6352	Impact Factor:2.4 NAAS-8.4
3.	Analyzing the Synergistic impact of UAV-based technology and knapsack sprayer on weed management, yield-contributing traits, and yield in wheat (<i>Triticum aestivum</i> L.) for enhanced agricultural operations	Elsevier: Computers and Electronics in Agriculture Science Direct Volume 219, April 2024, 108796	Print ISSN: 0168-1699 Online ISSN: 1872-7107	Impact Factor; 8.3 Cite Score; 13.6. NAAS:14.3
4.	Unlocking the future of smart food packaging: biosensors, IoT, and nano materials	Food Science and Biotechnology Springer	Journal ISSN: 1226-7708	Impact Factor: 2.90 NAAS Rating: 8.90
5.	Effect of Weed Treatment on Cereal Yield in Direct Seeding: A Challenge Between Soil Pollution and Seeds Quality	Indian Journal of Agricultural Research	ISSN 0367-8245 (Print)	NAAS-5.33
6.	Optimum herbicide dose management in direct seeding for cereals production: case of semi-arid area of Algeria.	Journal of Agronomy Wiley Publications	ISSN 0974-4460 eISSN 0537-197X	Impact Factor:1.2 NAAS-7.2
7.	Prediction of Kharif cotton yield over Parbhani, Maharashtra: Combination of extended range forecast and DSSAT-CROPGRO-Cotton model	MAUSAM 633.51 : 551.501 (540.53)Pg.635-644	2065 M032 0252-9416 Mausam	NAAS :6.60
8.	Application of Wireless Nano Sensors Network and Nanotechnology in Precision Agriculture: Review	International Journal of Advances in Agricultural Science & Technology, Vol.9 Issue.4,	ISSN: 2348-1358	Impact Factor: 6.901 NAAS Rating: 3.77
9.	A Study and Analysis on Agricultural Drone	International Journal of Research in Engineering, Science and Management Volume 5 Issue 2	ISSN (Online): 2581-5792	Impact Factor:5.7
10.	Effect of different salinity levels on growth, flowering and yield characteristics of brinjal varieties under Marathwada conditions	The Pharma Innovation Journal 2022; 11(12): 418-422	ISSN (E):2277-7695 ISSN (P): 2349-8242	NAAS Rating: 5.23
11.	Weed control efficiency with herbicide application by the combination of Drone and Knapsack sprayer in wheat	The Pharma Innovation Journal 2022; 11(1): 741-744	ISSN (E): 2277- 7695 ISSN (P): 2349-8242	NAAS Rating: 5.23

	(Triticum aestivum L.)			
12.	Effect of grafting on chlorophyll characteristics in brinjal grafted on solanum torvum under salt affected conditions	The Pharma Innovation Journal 2022; 11(9): 1832-1838	ISSN (E): 2277-7695 ISSN (P): 2349-8242	NAAS Rating: 5.23

Credentials:

Particulars	Numbers	Particulars	Numbers
Research Articles	33	Popular Articles	25
Books / Booklets	06+10	Book Chapters	06
Research/Technology Recommendations	04	Varieties Developed	–
Patents	–	Abstracts Published	30
Technical Publication	21		

Significant Achievements (Top Five)

Patent/IP/Technologies/ Varieties/Machineries Developed / Methodologies/ Recommendations	Year
1. Multipurpose Flexible Cultivator	2010
2. Manual Multipurpose Nut Sheller Machine	2016
3. Engine Operated Earth Auger	2016
4. Mini Manual Boom Sprayer on Four bar Chain Mechanism (MMBS)	2019
Externally Funded Projects: Implemented/Handled/Assisted	
1 Rashtriya Krishi Vikas Yojana (RKVY): budget Rs 7.5 Cr	
2. National Agricultural Higher Education Project (NAHEP-CAAST, VNMKV Parbhani): Rs17.85Cr	

Awards/Recognitions (Top Five)

1. International Green Teacher Award by Green Mentor at Coronell University USA
2. Chairman of the Session” of the International Conference at Tokyo, Japan organized by World Academy of Science and Technology, WASET 2010 during May 26-28,2010, JAPAN
3.Speaker in 1st World Conference on Robotics (WCR-2015) by BITs at Shenyang- China.
4.Key Note Speaker in International Conference on Digital Agricultural Technologies Belarus
5. Keynote Speaker in International Conference of Agricultural Engineering by AAE-2010 at Shanghai-CHINA
6. Best Reviewer in International Conference of International Conference on Mechanical, Automotive and Materials Engineering (CMAME 2013) Hong Kong
7. D’ Commune’s International Award for “Best Teacher in “Engineering Research” by Indian Society of Concept Management, MH-231-2012 A’ Nagar (M.S.) non-profit Society in India
8. Best Faculty Researcher” by Indian Society of Concept Management, MH-231-2012 A’ Nagar (M.S.) non-profit Society in India
9.A Project Submission Assignments from President of INDIA on “Farmer’s Lifestyle Uplift by Universal Agro-Tech Park”.
10 Star of MGM Nanded as a Best FACULTY members at MGM college of Engineering Nanded