


STANDARD TEMPLATE OF FACULTY PROFILE FOR UPLOADING OF UNIVERSITY WEBSITE

Title	Dr.	First Name	PUSHP KUMAR	Last Name	BAGHEL	
Designation		Assistant Professor				
School /Dept. Name		University School of Automation and Robotics/ Automation and Robotics/ Mechanical Engineering				
Address:		Assistant Professor Automation & Robotics/Mechanical Engineering University School of Automation and Robotics, Guru Gobind Singh Indraprastha University, East Campus, Surajmal Vihar, Delhi-110092				
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Web Page (if any)		PUSHP KUMAR BAGHEL - Google Scholar https://orcid.org/0000-0002-7411-0806 Scopus ID 57222125533				
Subjects Taught		Engineering Mechanics, Engineering Graphics, Fundamentals of Automation				
Areas of Interest/Specialization		Production Engineering, Welding Technology, Application of DOE and Soft Computing Techniques				
Experience (in years)		Total	7 years 5 Months			
		Industry				
		Teaching	7 years 5 months			
		Research				
Educational Qualifications		UG	B.Tech (Mechanical Engineering) from Uttar Pradesh Technical University ,Lucknow (Now AKTU)			
		PG	M.Tech Hon's (Mechanical Engineering) From Jamia Millia Islamia (Central University) , Delhi			
		Doctorate	Ph.D (Mechanical Engineering) from Delhi Technological University , Delhi			
		Any other				

<p>Research Publications in Journals (last 5 years)</p>	<ol style="list-style-type: none"> 1. Pushp Kumar Baghel and Tushar Gupta.” Optimization of parameters of pulse gas tungsten arc welding using non-conventional techniques. Journal of advanced joining processes, (6),(2022), 100124 https://doi.org/10.1016/j.jajp.2022.100124 2. Pushp Kumar Baghel. “ Effect of SMAW process parameters on Similar and Dissimilar metal welds: An overview”. Heliyon , 8,(12) ,(2022), e12161 https://doi.org/10.1016/j.heliyon.2022.e12161 3. KG Reddy, Tushar Gupta, S .Sreenatha Reddy, Pushp Kumar Baghel “The Effect of Linseed Diesel Blends and Nano additives on Diesel Engine Performance and Emission Characteristics” International Journal of mechanical Engineering, 7(4),(2022), 1684-1692 4. R Raju, MMK Verma, Pushp Kumar Baghel, “Optimization of process parameters of 3D printing process using Taguchi based grey approach”, Material Today Proceedings, 68, (2022), 1515-1520 https://doi.org/10.1016/j.matpr.2022.07.163 5. KG Reddy, Pushp Kumar Baghel, SS Reddy. The Influence of Different Nanoparticles Incorporated Fuel Blend on Diesel Engine Performance and Emission Characteristics. International Journal of Mechanical Engineering, 6(3), (2021), 2553-.2559.
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Papers Published in Conference Proceedings (last 5 years)	<ol style="list-style-type: none"> 1. KG Reddy, T Gupta, Pushp Kumar Baghel, SS Reddy, S Gothwal, Performance and Emission Analysis on Four-stroke Diesel Engine by the Use of Canola Oil with Different Additive Particles, Emerging Trends in Mechanical and Industrial Engineering: Select Proceedings of ICETMIE, 129-146, 2022. https://doi.org/10.1007/978-981-19-6945-4_10 2. M Varma, Pushp Kumar Baghel, R Raju ,Additive Manufacturing of Thermosetting Resins In-Situ Carbon Fibers: A Review, Recent Advances in Materials and Modern Manufacturing, 97-105, 2022 https://doi.org/10.1007/978-981-19-0244-4_11 3. Pushp Kumar Baghel, Application of microwave in manufacturing Technology: A review, International Conference in Advanced Manufacturing Technology, NIT Delhi, November 2022. https://doi.org/10.1016/j.matpr.2023.02.008 4. Pushp Kumar Baghel, Design and Development of Automated Manipulator in TIG welding, International conference on Innovative Technologies in Mechanical Engineering (ITME), Krishna Institute of Engineering and Technology, Ghaziabad, 2019 https://doi.org/10.1007/978-981-15-8704-7_79 			
Books Authored/Book Volume Chapters	<ol style="list-style-type: none"> 1. Pushp Kumar Baghel and Sarita Baghel“Some Studies on Friction Stir Welding of Stainless Steel 304: A feasibility study”, 2012, Publisher: LAP LAMBERT Academic Publishing GmbH & Co. KG, Germany. ISBN 978-3-659-22405-8. 			
No. of Conferences	National	Attended		Organized
	International			
Research Guidance	Awarded	PG	M. Phil	Doctorate
		2	NIL	1
	Undergoing		NIL	
Research Projects	Completed			
	Undergoing			
Awards & Distinctions	<ol style="list-style-type: none"> 1. Received Best Researcher award in year 2023 at Noida International University, Noida 			

	<ol style="list-style-type: none"> 2. Received Merit Scholarship for securing second position in M.Tech at University Level 3. Received MHRD fellowship in Ph.D
Administrative Assignments Handled	
Association with Professional Bodies	
Any other Achievements	<ul style="list-style-type: none"> ➤ Done two days course on Solar Energy at Solar Energy Centre (MNRE, Govt of India) ➤ Done two days' Workshop on Recent Trends in Welding Technology held in 22 -23rd August 2019 in DTU, Delhi ➤ Participate at International Conference in 17-18th April 2017 at Noida International University ➤ Done one week FDP on Precision Manufacturing and Circular Economy held in 4th – 8th June 2018 in DTU, Delhi ➤ Done one week FDP on Ethics and values in Technical Education in context of National Education Policy 2020 held on 15th -19th April 2021 in DTU, Delhi ➤ Done six days FDP on Modern Trends in Manufacturing and Thermal Sciences from April 5th -10th 2022 in NIT Delhi ➤ Presented oral Presentation of research paper “ Application of Microwave in Manufacturing Technology A Review” in ICAME at NIT Delhi, 12-13 November 2022 ➤ Attended International Conference on Science and Technology in Indian Knowledge System, in Noida International University, December 2022 ➤ Attended webinar on Intellectual Property Rights(IPR): Innovation in Healthcare in Noida International University on 13 December 2022 ➤ Participated in Workshop on Skill Development held on 30 August 2022 in Noida International University ➤ Organized the one day workshop on Prototype/Process Design and Development on 5th June 2023 in Noida International University ➤ Organizer of Robowar competition held on 17th April 2022 in School of Engineering and Technology, Noida International University