Profile

1	Name of the Faculty	Laxmi Patil	
2	Date of joining	01/08/2014	
3	Email id		
4	Designation	Assistant Professor	
5	Department	Electronics and Communication Engineering	
6	Education Qualifications	M.Tech (PhD)	

7	Work Experience	Teaching	Research	Industry	Others
		10 Years 6 Months	4 Years	-	-

8	Area of Specialization	VLSI System Design

9	Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/Post Graduate Diploma Level	**Under Graduates:** 1. Logic Design 2. Control System 3. Microcontrollers 4. Satellite Communication 5. Professional Ethics 6. Robotics 7. Wireless Communication & LTE 4G Broadband 8. Basic Electronics 9. Management & Entrepreneurship Development 10. VLSI Circuits 11. HDL 12. Information Theory & Coding **Post Graduates:** 13. Operational Research 14. Wireless Mobile Networks

10	No. of papers published in National/International Journals/Conferences		
	Journals	National	International
		1	1
	Conferences	National	International
		-	-
	Research Guidance		

	Completed	Ongoing
Master Degree	2	-
Ph.D.	-	-

11	**Projects Carried out**	3	1. Design & simulation of 5G multiband antenna with phase shift operation.
			2. Progressive Braille Learning Kit with Interface.
			3. Expression based emotion detection in speech using python.
			4. Dry hand washing machine using fog disinfection.
			5. Heating and cooling suit for military people and location tracking.
12	**Patents**	2	1. Machine learning based recognition of patients behavior using hand to mouth gestures to assess their physical & emotional states in possible prediction AI-datasets
			2. Progressive Braille Learning Kit with Interface.
13	**Technology Transfer**		
14	1. Design and Simulation of 5G Multiband Antenna with Phase Shift operation IJIRCT - International Journal of Innovative Research and Creative Technology. June-2022 2. Multi-modal facial expression recognition using different architecture models- a survey Machine intelligence Journal. September-2023		