Profile

1	NameoftheFaculty	Abhilasha A Patil	
2	Dateofjoining	01-08-2014	
3	Email id	abhilashapatil002@gmail.com	
4	Designation	Asst. Professor	
5	Department	ECE	
6	EducationQualifications	M.Tech. (Ph.D.)	

7	WorkExperience	Teaching	Research	Industry	Others
		8.9			

8	AreaofSpecialization	Digital Communication & Networking
9	Courses taught at Diploma/ PostDiploma/ Under Graduate/ PostGraduate/PostGraduateDiploma Level	UG: 1. Analog Electronic Circuits 2. Electronics Instrumentation 3. Fundamentals of HDL 4. Signals & Systems 5. Digital Switching Systems 6. Image Processing 7. Logic Design and Computer organization 8.Machine learning 9. Arm cortex M3 and Embedded Systems 10. Verilog HDL 11. Engineering Statistics & Linear Algebra 12. Embedded System Design 13. Basic Electronics Lab 14. Microprocessor Lab 15. Verilog HDL lab 16. Embedded Systems Lab 17. Power Electronics Lab 18. VLSI Lab 19. Analog Electronic Circuit Lab 20. Embedded Controller Lab 21. HDL Lab 22. Information Theory and Coding 23. Digital Image Processing 24. Multimedia Communication

10	No.ofpaperspublishedinNational/InternationalJournals/Conferences		
	Journals	**National**	**International**
		1	1
	Conferences	**National**	**International**
	ResearchGuidance		
		Completed	**Ongoing**
	MasterDegree		
	Ph.D.		

11	ProjectsCarriedout	02	• Project Titled "Skilled Agribot using Solar Panel" was selected, sponsored and awarded as "Best Project of the year" by KSCST- 43rd Students Project Programme 2019-2020. • Project Titled "Water Cleaner Robot" was selected sponsored by KSCST- 44th Students Project Programme 2020-2021.
12	Patents	01	Patent on "Artificial Intelligence Based Smart Detection of Lung Disease from Chest X-rays Images" with patent number 202131011450 published on 09/04/2021.
13	TechnologyTransfer		
14	• "User Recognition Based on Face using Local Binary Pattern (LBP) with Artificial Neural Network (ANN)" in International Journal of Ethics in Engineering & Management Education [ISSN: 2348-4748], Volume 2, Issue 5, May 2015, pp.32-35. • "An Imperative Study Of Efficient Image Processing Algorithms For Lung Cancer Detection, Segmentation And Classification: A Review" in The National Conference on Recent Trends in Engineering and Management Studies – RTEMS -2022 held on 12-13 April 2022 at LAEC, Bidar, Karnataka.		