

Faculty Profile

Name Ms. Komal M. Masal
Designation Assistant Professor
Department E&TC Engineering
Email kmmasal@pict.edu
Phone +91-8421948718



Educational Qualifications

Degree	University/Institution	Year of Passing
Ph.D.	SPPU University	Pursuing
M.E. (E & TC Engg.)	SVPM COE, Malegaon BK., SPPU, Pune.	2018
B.E. (E & TC Engg.)	PES COEP, Phaltan, Satara, Shivaji University.	2016
Diploma (E&TC Engg.)	Vidya Pratisthan's Polytechnic, Indapur, Pune, MSBTE.	2011

Professional Experience

Sr. No.	Designation & Institute	Duration
1	Assistant Professor, SCTR's PICT Pune	2022 - Present
2	Assistant Professor, GCE, Karad	July 2019 – June 2022
3	Lecturer, UCOER, Sasewadi, Pune College	January 2019 – June 2019

Research Publications

Sr. No.	Title	Publication/Conference
1	Development of a visual to audio and tactile substitution system for mobility and orientation of visually impaired people: a review	Multimedia Tools and Applications
2	An integrated region proposal and spatial information guided convolution network based object recognition for visually impaired persons' indoor assistive navigation.	The Imaging Science Journal
3	Deep Learning Attentional Dense based Indoor Object Recognition for Visually Impaired People	7th International Conference on Electronics,

		Communication and Aerospace Technology (ICECA). IEEE, 2023.
4	Hybrid Deep Artificial Humming Bird Algorithm For Improved Real Time Blind Assistance with Advanced Jetson Nano GPU."	7th International Conference on Electronics, Communication and Aerospace Technology (ICECA). IEEE, 2023.
5	Attention-based Deep Learning model for Indoor Object Recognition Framework for Visually Impaired Individuals	IEEE International Conference on Communication, Computing and Signal Processing (IICCCS).IEEE, 2024
6	Random Forest, DT And SVM Machine Learning Classifiers for Seed with Advanced WSN Sensor Node.	IEEE , ICACRS 2022,
7	RF Machine Learning Classifier for Seed with advanced sensor node	IEEE , ICECA 2022
8	Random Forest Machine Learning Classifier for Seed Recommendation	IEEE , ICECAA 2022

Books Published

Sr. No.	Title	Publisher & Year
1	NIL	

Conferences / Seminars Attended

Sr. No.	Conference/Seminar	Year
1	NIL	

Awards & Recognitions

Sr. No.	Award/Recognition	Year
1	NIL	

Areas of Interest

Sr. No.	Area
1	Embedded System Design
2	Embedded Systems and RTOS
3	Digital Circuits
4	Machine Learning/Deep Learning