

**Name** **Ms.Mansi Shriprakash Kolwankar**

**Designation** Assistant Professor

**Department** Electronics & Telecommunication Engineering

**Date of Joining the Institute** 01/08/2008

**Education** B.E.(E & TC), RMCET, Devrukh  
M. E(E & TC),KIT,Kolhapur

**Branch / Specialization** Electronics & Telecommunication

**Areas of Interest** Digital Communication, Data Compression and Encryption, Speech Recognition

**Email** mansi.kolwankar@famt.ac.in



### Academic Appointments

Name of the University / Institute/ Industry	Duration	Designation
Finolex Academy of Management & Technology, Ratnagiri	From 01/08/2008 to till date	Assistant Professor

**Total Experience – 15 Years**

### Seminars/Lecture/Invited Talks Conducted

1. Conducted seminar for BE on “ **How to select a project topic**” on 31<sup>st</sup> July 2018.
2. Conducted a session on ‘**Do’s and Don’ts in Project Work –Discussion through Case Studies**’ as a resource person for B. E. – E & TC students on 22<sup>nd</sup> July, 2017 at Finolex Academy of Management and Technology Ratnagiri.

3. Conducted workshop on **"Matlab and Simulink"** on 3<sup>rd</sup> – 4<sup>th</sup> October 2015 organized by Department of Electronics and Telecommunication, Finolex Academy of Management and Technology, Ratnagiri.

### Papers Published

### Papers Presented/Published in National / International Journals - 09

#### International Journals – 07

1. Mansi S Kolwankar, **"Automated Pothole filling Machine"** International Journal for Research in Applied Science and Engineering Technology, Apr 2023
2. Mansi S Kolawankar, **"Coin Separator and Counter"**, International Journal for Scientific Research & Development, Apr 2023
3. Mansi S Kolwankar, **"Speech Recognition based English to Marathi Translator"**, International Journal of Research and Analytical Reviews (IJRAR), Nov 2020
4. Mansi S Kolwankar, **"Emotion detection using Raspberry PI"**, International Journal for science and advance research in technology, Mar 2019
5. Mansi S Kolwankar, **"Object Replica using 3D scanner"**, International Journal for science and advance research in technology, Jan 2019
6. M.S.Kolwankar **"Speaking Hand using Raspberry Pi 3"**, International Journal of Trend in Scientific Research and Development, Apr 2018
7. M.S.Kolwankar, M.R.Dixit **"English to Marathi Audio Dictionary using speech Recognition"**, International academic conference on electrical, electronics & robotics, Pune. volume 3.

#### National Journals – 02

1. B.Y.Sathe, M.S.Kolwankar **'Image fusion methods for medical & general purpose applications'** in Asian Journal
2. M.S.Kolwankar, V.A.Patil, H.S.Bodas **'Analysis of PAPR in OFDMA system using norm technique'** in Asian Journal

### Papers Presented/Published in National/ International Conferences - 03

#### International Conferences – 01

1. M.S.Kolwankar, **"English to Marathi Audio Dictionary using speech Recognition"**, International academic conference on electrical, electronics & robotics, Pune. 2013-14

#### National Conferences – 02

1. B.Y.Sathe, M.S.Kolwankar **'Image fusion methods for medical & general purpose applications'** in Recent Advances in Science & Technology, 18-19 feb 2016
2. M.S.Kolwankar, V.A.Patil, H.S.Bodas **'Analysis of PAPR in OFDMA system using norm technique'** in Recent Advances in Science & Technology, 18-19 feb 2016

**STTPs, FDPs, Conferences, Seminars & Workshops**

1. Attended FDP on **AI Algorithms and Applications in Healthcare**, from 19<sup>th</sup> June to 23<sup>rd</sup> June 2023
2. Attended FDP on **Recent Trends in AI**, from 11<sup>th</sup> Jan to 17<sup>th</sup> Jan 2022
3. Attended AICTE-ISTE approved One Week STTP on “**Digital Image Processing – Issues, Challenges and Research Avenues**” from 06<sup>th</sup> August to 08<sup>th</sup> August 2018.
4. Attended One Day Seminar on “**An Introduction to Speech Technology: Automatic Speech Recognition and Text-to-Speech Synthesis**” on 31<sup>st</sup> January 2018.
5. Attended a workshop and worked as a Coordinator for Two days’ workshop on ‘**RF and Antennas: From Theory to Practice**’ at Finolex Academy of Management & Technology, Ratnagiri from 11<sup>th</sup> August and 12<sup>th</sup> August, 2017.
6. Attended a workshop and worked as a Coordinator for 3-days workshop on ‘**Networking Fundamentals with Hands-on using NS-2/NS-3 and Unified Communication**’ at Finolex Academy of Management & Technology, Ratnagiri from 27<sup>th</sup> January to 29<sup>th</sup> January, 2017.
7. Attended 2<sup>nd</sup> **National Conference** on ‘**Recent Advances in Science and Technology (RAST-2K16)**’ organized by Finolex Academy of Management and Technology, Ratnagiri from 17<sup>th</sup> to 18<sup>th</sup> February 2016.
8. Attended **One Week Workshop** on “**Funding Schemes Available for Research Proposals**” organized by Research Development and Consultancy cell (RDCC) of Finolex Academy of Management and Technology, Ratnagiri from 13<sup>th</sup> February to 23<sup>rd</sup> April 2016
9. Attended **Two week ISTE workshop** on “**Pedagogy for Effective use of ICT in Engineering Education**” at Finolex Academy of Management & Technology, Ratnagiri from 05<sup>th</sup> January to 21<sup>th</sup> January, 2015
10. Attended **Two week ISTE workshop** on “**Signal and Systems**” Conducted by IIT Bombay at Finolex Academy of Management & Technology, Ratnagiri from 02<sup>nd</sup> January to 12<sup>th</sup> January, 2014
11. Attended **Two week ISTE workshop** on “**Basic Electronics**” Conducted by IIT Bombay under the National Mission on Education through ICT at Finolex Academy of Management & Technology, Ratnagiri from 28<sup>th</sup> June to 8<sup>th</sup> July, 2011
12. Attended a Two-day workshop on ‘**Virtual Labs, Electronics**’ Conducted by IIT Bombay in association with MHRD, (Govt. of India) at Finolex Academy of Management & Technology, Ratnagiri on 9<sup>th</sup> and 10<sup>th</sup> April, 2011.
13. Attended a Two-day workshop on ‘**Simulation of Electronic Circuits and Power Electronics Systems using SEQUEL**’ Conducted by Prof. M. B. Patil, IIT Bombay at Finolex Academy of Management & Technology, Ratnagiri on 31<sup>st</sup> October and 1<sup>st</sup> November, 2009.

14. **Two days workshop on "Embedded System"** at Terna Engineering Collage, Navi Mumbai From 29th July to 30th July 2009..
15. Attended One day workshop on '**Quality Education in Engineering and Technical Institution**' at Finolex Academy of Management & Technology, Ratnagiri on 24th January, 2009.

### Professional Membership

1. Indian Society of Technical Education (I.S.T.E): Life Member

### College Exam Duties

1. Worked as a **Senior Supervisor** for **Winter 2014 Exam**.
2. Carried out exam related duties such as **Moderator, Examiner and External Examiner** for conducting theory, practical and oral exam as appointed by Board of Examination, Mumbai University.
3. Worked as a **result-checking committee member**.
4. Worked as a **coordinator** for scheduling and arrangement for conduction of departmental university Practical/Viva Exam.
5. Worked as a **scrutiny committee member**.
6. Worked as an **Invigilator** for University theory exams.
7. CAP co-ordinator May 2017 and May 2017

### Other Experience

#### College Level Committees

1. Working as a **departmental coordinator** of **Training and Placement (TNP)** of Finolex Academy of Management and Technology, Ratnagiri.
2. Working as a **Core Committee Member** of Alumini Association.
3. Worked as departmental organizing **committee member** in 2<sup>nd</sup> National Conference on **"Recent Advances in Science and Technology" (RAST-2K16)**.
4. Working as TNP coordinator for **NAAC Criteria-3 committee**
5. Worked as a department coordinator for **NAAC Criteria-1 committee**.
6. Organized Alumni Interaction session on **Career Guidance**, 20<sup>th</sup> July 2022
7. Organized seminar on '**Career Paths for EXTC Engineers**', 15<sup>th</sup> Jan 2022
8. Organized seminar on '**Career Opportunities for Embedded Engineering**', 28<sup>th</sup> Sep 2021

9. Organized Expert Talk on '**Recent Advances in Telecom Sector**' ,26<sup>th</sup> June 2021
- 10.Organized Alumni Interaction session on **Preparing for Higher Education Abroad**,19<sup>th</sup> June 2021
- 11.Organized **Session on Internship Opportunities in Embedded Systems and IOT**, 17<sup>th</sup> June 2021
- 12.Organized **Alumni Interaction session on Career Opportunities in Cyber Security**,20<sup>th</sup> Feb 2021
- 13.Organized **A Workshop on Web Development and Software Testing**, 28<sup>th</sup> Aug to 4<sup>th</sup> Sep 2020

### Subject Taught

Sr. No.	Name of the Subject	Year/Branch/Semester	Experience
1.	Data Compression & Encryption	B.E.-E & TC (Sem - VII)	3 Years
2.	Optical Fiber Communication	B.E.-E & TC (Sem - VIII)	2 Years
3.	Control System	S.E.-E & TC (Sem - IV)	3 Years
4.	Circuits & transmission lines	S.E.-E & TC (Sem - III)	2 Year
5.	Digital Communication	T.E.-E & TC (Sem - V)	2 Year
6.	Principle of communication Eng	S.E-E & TC (Sem - IV)	2 Years
7.	Microprocessor	T.E.-I.T (Sem - V)	1 Year
8.	Microprocessor & Microcontroller	S.E.-IT (Sem - IV)	1 Year
9.	Digital Communication	T.E.-ETRX (Sem - V)	1 Year
10.	Digital Logic Design	S.E.-E & TC (Sem - III)	2 Years
11.	Electronic Hardware Workshop	T.E.-E & TC (Sem - V)	1 Years
12.	Software Simulation	S.E-E & TC(Sem-IV)	2 years
13.	Mobile Communication System	B.E E & TC(Sem-VII)	3 Years

14.	Radar Engineering	T.E.-E & TC (Sem - VI)	3 Years
15.	Data Compression and Cryptography	T.E.-E & TC (Sem - V)	3 Years
16.	Satellite Communication	B.E E & TC(Sem-VIII)	4 Years
17.	Satellite and Nano Satellite Communication	B.E E & TC(Sem-VIII)	1 Year
18.	Computer Communication and Networks	T.E E & TC(Sem-VI)	1 Year