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| Name | Dr. Mrs. Sharada Vikram Chougule Ph.D. Electronics Engineering |
| Designation | Associate Professor and Head |
| Department | Electronics and Telecommunication Engineering |
| Date of Joining the Institute | 25/07/2002 |
| Education | Ph.D. Electronics |
| Branch / Specialization | Electronics Engineering |
| Areas of Interest | Digital Signal Processing, Image, Video and Speech Processing, Mobile Communication and Wireless Networks |
| Email | sharada.chougule@famt.ac.in |



Academic Appointments

| Name of the University / Institute/ Industry | Duration | Designation |
|--|-------------------------------------|----------------------------|
| Finolex Academy of Management and Technology, Ratnagiri | From 25/07/2002 to till date | Assistant Professor |

Total Experience – 22 Years

Awards / Honors / Prizes

- 1. Completed Doctor of Philosophy in Electronics Engineering from Shivaji University, Kolhapur in October 2017.**

Seminars/Lecture/Invited Talks Conducted

1. Resource person for one week workshop on "Research Funding Agencies" at Finolex Academy of Management and Technology, Ratnagiri in April 2016.
2. Conducted Two Day Workshop on MATLAB and SIMULINK (Engineering Applications)", on 03rd and 04th October, 2015.

3. Resource Person in Orientation-cum Workshop for "Inter Collegiate Research Convention Avishkar-2014- 2015", on behalf of University of Mumbai at Finolex Academy of Management and Technology, in August 2014.

Papers Published

Papers Presented/Published in National / International Journals - 06

International Journals – 06

1. Sharada V Chougule, Mahesh S. Chavan, "Speaker Recognition in Mismatch Conditions: A Feature Level Approach", International Journal of Image, Graphics and Signal Processing (IJIGSP), Vol.9, No.4, pp.37- 43, 2017.DOI: 10.5815/ijigsp.2017.04.05.
2. Sharada V Chougule, Mahesh S. Chavan, "Speech Signal Analysis: A Frequency Domain Approach", Asian Journal of Convergence in Technology Volume II, Issue III, ISSN No.:2350-1146, I.F-2.71.
3. Sharada V Chougule, Mahesh S. Chavan, "Performance of Complementary Features for Robust Speaker Identification", International Journal of Computer Applications (IJCA) ISSN: 0975 – 8887, Vol. 123 – No.9, pp.21-27, August 2015.
4. Sharada V Chougule, Mahesh S. Chavan, "Speaker Identification in Mismatch Condition using Warped Filter Bank Features", International Journal of Circuits, Systems and Signal Processing, ISSN: 1998-4464, Vol.9, North Atalantic University Union (NAUN), pp.88-93, January 2015.
5. Sharada V Chougule, Mahesh S. Chavan, "Speaker Features and Recognition Techniques: A Review", International Journal of Computer Engineering Research (IJCER) ,Vol No.2, Issue No.3 ,ISSN-2250-3005,May-June 2012.
6. Sharada V Chougule, "Text Independent Speaker Identification using MFCC features with VQ Technique" International Journal of Electronics and Communication Engg. (IJECE), Volume 3, No. 1 (2010) , pp 9-17.

Papers Presented/Published in National/ International Conferences - 11

International Conferences – 06

1. Sharada V.Chougule and Mahesh S.Chavan, "Effectiveness of LSP Features for Text Independent Speaker Identification", IEEE International Conference on Computer, Communication and Security (ICCCS-2015), Mauritius, December 2015, published in IEEE Xplore Digital Library,pp.1-4.

2. Sharada V.Chougule and Mahesh S.Chavan, "Robust Spectral Features for Automatic Speaker Recognition in Mismatch Condition", *Second International Symposium on Computer Vision and the Internet (VisionNet'15)*, Aluva ,Kochi, Kerala August 2015,published in Elsevier Presidia Computer Science, pp.272-279 doi: 10.1016/j.procs.2015.08.021,August 2015.
3. Sharada V.Chougule and Mahesh S.Chavan, "Filter bank based cepstral features for speaker recognition" IEEE Global Conference on Wireless Computing and Networking (GCWCN-2014) ,22-24 December 2014 at Sinhgad Institute of Technology, Lonawala.
4. Sharada V.Chougule and Mahesh S.Chavan, "Comparison of Frequency-Warped Filter Banks in relation to Robust Features for Speaker Identification", *Proceedings of the 13th International Conference on Signal Processing (SIP '14)*; December 15-17, 2014 ,Published in: *Recent Advances in Electrical Engineering* pp 157-162, ISBN: 978-1-61804-260-6.
5. Sharada V.Chougule and Mahesh S.Chavan, "Feature Level Compensation for Robust Speaker Identification in Mismatched Conditions", *18th International Conference on Circuits, Systems, Communications and Computers (CSCC '14)* Santorini Island, Greece, July 17-21, 2014 Published in: *Latest Trends on Systems - Volume I* pp 344-352,ISBN: 978-1-61804-243-9.
6. Sharada V.Chougule and Mahesh S.Chavan, "Channel Robust MFCCs for Continuous Speech Speaker Recognition", *International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS-2014)* IIITM-K Thiruvananthapuram, 13-15 March 2014, Published in *-Advances in Signal Processing and Intelligent Recognition Systems* Springer International Pub.2014,Volume 264, 2014, pp 557-568.

National Conferences – 05

1. Sharada V.Chougule and Mahesh S.Chavan, "Speech Signal Analysis: A Frequency Domain Approach", *2nd National Conference on Recent Advances in Science and Technology (RAST-2016)*,Ratnagiri, 17 to 18 February 2016.
2. Sharada V.Chougule and Mahesh S.Chavan, "Speech Signal Analysis: A Frequency Domain Approach", *2nd National Conference on Recent Advances in Science and Technology (RAST-2016)*,Ratnagiri, 17 to 18 February 2016.
3. Sharada V.Chougule, "Features and Techniques for Speaker Recognition" at the National Conference on Electronics, Communication & Automation at Shri Vithal Education & Research Institute of Engg., Pandharpur from 23-24 December 2008.
4. Sharada V.Chougule, "Speech Processing Techniques" at the National Conference on Electronics, Communication & Automation at Shri Vithal Education & Research Institute of Engg., Pandharpur from 23- 24 December 2008.

5. Sharada V.Chougule ,“Symbolic Prosody Generation for Text to Speech System” at the National Conference on Communication and Signal Processing at Thadomal Shahani Engg. College Mumbai on April 12-13 2007.

Book Series – 03

1. Sharada V.Chougule and Mahesh S.Chavan, “Comparison of Frequency-Warped Filter Banks in relation to Robust Features for Speaker Identification”, 13th International Conference on Signal Processing (SIP '14), Istanbul, Turkey, December 2014, published in Recent Advances in Electrical Engineering, ISBN: 978-1-61804-260-6, pp.157-162, December 2014.
2. Sharada V.Chougule and Mahesh S.Chavan, “Feature Level Compensation for Robust Speaker Identification in Mismatched Conditions ”, *18th International Conference on Circuits, Systems, Communications and Computers, (CSCC'14)* Santorini Island, Greece, July 2014, published in *Latest Trends on Systems – Vol. I*, ISBN: 978-1-61804-243-9, pp. 344-352, July 2014.
3. Sharada V.Chougule and Mahesh S.Chavan, “Channel Robust MFCCs for Continuous Speech Speaker Recognition ”, International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS'14), Thiruvananthapuram, Kerala, published in Springer Book Series: Advances in Signal Processing and Intelligent Recognition Systems Advances in Intelligent Systems and Computing , Vol. 264, pp. 557-568, March 2014, Print ISBN: 978-3-319-04959-5, Online ISBN : 978-3-319-04960-1.

Number of Workshops, Seminars, STTPs, FDPs Attended – 27

STTPs and FDPs

1. TEQIP-II Sponsored, Five day STTP on “Audio and Speech Signal Processing (ASSP-2014)”, organized by Computer Engg. Dept. SVNIT, Surat from July 07-11 2014.
2. One week STTP on “MATLAB applications in Electronics Engineering ” from 14th to 19th December 2009 at Tatyasaheb Kore Institute of Engg.& Technology, Warananagar.
3. Two week training program on “Embedded Using Linux ARM & Keil”, from 03rd March 2007 to 17th March 2007 at FAMT, Ratnagiri.
4. One day Faculty Development Program on Self-Dependence and Advantages of Technology and Digital Marketing'at Finolex Academy of Management & Technology, Ratnagiri on 23rd September, 2016, conducted by Lemures Technologies and IEEE Delhi.

Two Week or One Week Workshops

5. "Summer School on Speech Signal Processing (S4P) 2017", at Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT), Gandhinagar, Gujrat, 8-12 July 2017.
6. "Network Associate-Routing and Switching"- 17/02/17 to 22/02/17 at FAMT Ratnagiri, Organized by Telenetworks Technologies, Vashi, Navi Mumbai.
7. "Summer school on Speech Signal Processing-S4P" 4/06/16 to 08/06/16 at DA-IICT Gandhinagar, Gujarat.
8. "Winter School on Speech and Audio Processing WiSSAP-2015", 4-7 January 2015 at DA-IICT Gandhinagar, Gujarat.
9. ISTE Workshop on "Computer Programming", conducted by IIT Bombay from 16 to 21 June 2014 at FAMT Ratnagiri.
10. ISTE Workshop on "Signals and Systems", conducted by IIT Kharagpur from 02 to 12 June 2014 at FAMT Ratnagiri.
11. "Winter School on Speech and Audio Processing WiSSAP-2014", 17-20 January 2014 at IIIT-Hydrabad.
12. ISTE workshop on "Introduction to Research Methodologies", conducted by IIT, Bombay from 25 June to 04 July 2012 at FAMT Ratnagiri.
13. International workshop on "Air Interface Design for Future Wireless System" from 28th June to 2nd July 2010 at Sinhgad Academy of Engineering, Pune.
14. Winter School on "Speech and Audio Processing 2010", 12th to 15th January 2010 at IIT Mumbai.
15. Workshop on "Microwave Antennas" from 27th June 2006 to 1st July 2006 at Dr. Babasaheb Ambedkar Technological University, Lonere.

Workshops

16. Two day workshop on "RF and Antennas-From theory to practice" from 11/08/17 to 12/08/17 at FAMT Ratnagiri.
17. Three day workshop on "Fundamentals of Networking and Unified Communication" from 27/01/17 to 29/10/17 at FAMT Ratnagiri.
18. Two day workshop on "Mobile Antenna- Design, Fabrication and Testing", at Finolex Academy of Management and Technology, in 01/08/15 to 02/08/15 August 2015.
19. One day Orientation-cum Workshop for "Inter Collegiate Research Convention Avishkar-2014-2015" on 12 August 2014, on behalf of University of Mumbai, at FAMT Ratnagiri.
20. One day Training program on "Cisco Certified Network Associate" by IP Solutions on 19 Jan 2013 at FAMT, Ratnagiri.
21. Two day workshop on "Virtual Labs, Electronics" on 09th & 10th April 2011 at FAMT, Ratnagiri.

22. Two day workshop on "Virtual DSP Lab" from 13-14 December 2010 at IIT Mumbai.
23. Two day workshop on "Simulation of Electronics Circuits & Power Electronics Systems using SEQUEL" on Oct 31 to Nov 01, 2009 at FAMT Ratnagiri.
24. One Day Workshop on "Quality Education in Engineering and Technical Institution", 24 Jan 2009 at FAMT, Ratnagiri.
25. Two Day workshop on "Linux" from 12-13 August 2006 at FAMT, Ratnagiri.
26. Three day workshop on "LaTeX-A document preparation system " on 09 to 11 December 2004 at FAMT, Ratnagiri.
27. One day workshop on "Advances in Micro-electronics" by IIT Mumbai on 15th March 2003 at FAMT, Ratnagiri.

Professional Membership

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

College Exam Duties

1. Worked as a **Senior Supervisor** of **2010 Winter Exam**.
2. Carried out exam related duties such as **Paper Setter, Moderator, Examiner and External Examiner** for conducting theory, practical and oral exam as appointed by Board of Examination, Mumbai University.
3. Worked as **Paper Setter** for M. Tech. Examination, KIT's College of Engineering.
4. Worked as **External Examiner** for BE Project Examination, KIT's College of Engineering Shivaji University Kolhapur.

Other Experience

College Level Committees

1. Member of Admission Counseling Cell (ACC) in June 2017.
2. Member of RDCC Cell at FAMT Ratnagiri from 2015.
3. Member of Feedback Analysis Committee from 2015.
4. Member of Departmental Counseling and Mentoring Committee.
5. Member of Departmental Discipline Monitoring Committee.
6. Member of Grievance Cell of FAMT in 2012.

Judge Panel / Staff Selection Committee / Subject Expert

1. Worked as Session chair and member for panel discussion in National Conference on "Changing Technology and Rural Development -CTRD 2K17" at Rajendra Mane College of Engineering and Technology, Ambav, Devrukh on 22/12/2017.
2. Worked as Session Chair for Pattern Recognition in International Conference on Advances in Computing, Communications and Informatics (ICACCI-2015) at Kochi, Kerala, August 2015.
3. Attended syllabus revision meeting of EXTC under University of Mumbai at RGIT, Mumbai on 02/02/2013.

Subject Taught

| Sr. No. | Name of the Subject | Year/Branch/Semester | Experience |
|---------|---|----------------------|------------|
| 1. | Wireless Networks | B.E./EXTC/VIII | 02 Years |
| 2. | Mobile Communication | B.E./EXTC/VIII | 02 Years |
| 3. | Speech Processing | B.E./EXTC/VIII | 01 Year |
| 4. | Image and Video Processing | B.E./EXTC/VIII | 03 Years |
| 5. | Discrete Time Signal Processing | T.E./EXTC/VI | 05 Years |
| 6. | Principles of Communication Engineering | S.E./EXTC/IV | 01 Year |
| 7. | Filter Design and Applications | B.E./ETRX/VII | 04 Years |
| 8. | DSP Processors and Architectures | B.E./ETRX/VIII | 02 Years |
| 9. | Discrete Time Signal Processing | T.E./ETRX/VI | 04 Years |
| 10. | Continuous Time Signal Processing | T.E./ETRX/V | 02 Years |
| 11. | Communication Networks | B.E./ETRX/VIII | 02 Years |
| 12. | Television Engineering | T.E./ETRX/VI | 02 Years |
| 13. | Digital Communication | T.E./ETRX/V | 01 Year |

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| 14. | Basic Analog and Digital Communication | B.E./ELECT/VII | 03 Years |
| 15. | Information Theory and Coding | S.E./IT/IV | 01 Year |