



Dr. YUGENDRA DEVIDAS CHINCHOLKAR

Associate Professor, Department of E & TC

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OVERVIEW:

Qualifications: Ph.D.(E&TC), ME (E&TC), BE (E&TC), MBA(Mktg).
Experience: Teaching -21 years Industry – 1 years
Date of Joining STES: 07/08/2008
Skills and Proficiencies: MATLAB, SCILAB, Python

SIGNIFICANT ACHIEVEMENTS:

- AVISHKAR 2015: Participated in Zonal Level Research Project Competition AVISHKAR 2015 held by BCUD, SPPU and selected for university level and state level workshop for AVISHKAR 2015.

AREA OF EXPERTISE /RESEARCH INTERESTS:

- Image & Signal Processing, Communication

NUMBER OF STUDENTS GUIDED:

- PG – 12, UG – 30+ Groups

RESEARCH PULICATIONS:

Publication Summary:

Scopus/ SCI - 08
International Journal: 32
Conference : 11
h-index : 07
i10 index : 05

<https://scholar.google.com/citations?user=zD6m51AAAAAJ&hl=en>

FUNDED RESEARCH PROJECT:

- Received a grant of 6,00,000/- from AICTE New Delhi under MODROB.
- Received a grant of 50,000/- from the Planning & Development of SPPU Pune for the Faculty Development Program on NEP2020.
- Received a research grant of 1,20,000/- from BCUD of SPPU Pune.

RESEARCH WORK:

Phd Research Work:

Project Title: Design & performance evaluation of patchwork coding-based audio watermarking for signal processing attack

Designed and developed performance evaluation of patchwork coding & biometric-based audio watermarking for signal processing attacks. Biometric techniques and patchwork coding watermarking algorithms were employed to achieve:

- To review and evaluate numerous state-of-the-art decimation methodologies for the audio signal.
- To achieve a distinctively high watermark data rate (payload) and compute trade-offs and penalties among the performance parameters.
- To provide copyright, authentication and security to produce music work.

NOTABLE GUIDED PROJECTS:

PG projects:

UG Projects:

RESOURCE PERSON TO INDUSTRY/ACADEMIA:

- Resource person for Antenna Wave Propagation in SVCOE & Technology, Alephata on 26th- 27th March 2015.
- Resource person for Digital Communication in Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Tal. Bhor, Dist – Pune on 16th August 2019.
- Reviewer of Indonesian Journal of Electrical Engineering and Informatics (IJEED), ISSN 2089-3272.
- Reviewer of Universal Journal of Electrical and Electronic Engineering.
- Reviewer of the International Journal of Electronics and Communication Engineering (IJECE) published by the International Academy of Science, Engineering and Technology (IASET).
- Technical Committee member for RSRI Conference on Data Analytics and Artificial Intelligence (RSRI DAAI 2022) 1st - 2nd April 2022, Organized by Arasu Engineering College & REST Society for Research International.
- Reviewer & Session chair of International Conference on Cognitive Computing and Engineering Education (ICCCEE) IEEE Conference No. 55951, ISBN: 979-8-3503-3281-0 during 27th – 29th April 2023 Organized MIT School of Engineering, MIT Art, Design and Technology University, Pune.
- Reviewer of 2nd International Conference on Advancements in Smart Computing and Information Security - ASCIS 2023, December 7th- 9th 2023, organized by Marwadi University Rajkot-360 003. Gujarat, India.
- Reviewer of 66th Annual IETE Convention (AIC-2023,) on the theme “The Role Of 5G In Enabling Digital Transformation for Rural Upliftment” Held on September 15th -17th 2023, and organized by IETE HQ, New Delhi, and IETE Pune Center.
- Reviewer of 6th IEEE International Conference on “Emerging Smart Computing & Informatics” (IEEE ESCI-2024) 5th –7th March 2024, Technically Co-Sponsored by IEEE Organized by All India Shri Shivaji Memorial Society’s Institute of Information Technology, Pune– 411001, Maharashtra, India
- Reviewer of 3rd International Conference on Advancements in Smart Computing and Information Security - ASCIS 2024, October 17th and 18th 2024, organized by Marwadi University Rajkot-360 003. Gujarat, India.
- Reviewer of Spinger Nature for Cluster Computing manuscript in 2024.
- Reviewer of International Journal of Technology Engineering Arts Mathematics Science (IJTEAMS).

SUBJECTS TAUGHT:

- Analog/Principal of Communication system
- Digital Communication

- Satellite Communication
- Mobile Communication
- Optical Fiber Communication
- Wave Theory & Antenna
- Radiation & Microwave Techniques
- Satellite Signal Processing
- Mixed Signal Processing & Design
- Speech Signal Processing
- RF and High-Speed Circuits

FDP/STTP/SDP/WORKSHOPS ORGANIZED AS A COORDINATOR:

- Co-coordinator of SPPU-QIP under sponsored Two-day faculty development program titled Establishment of Research & Development Cell In Institution on 7th & 8th of February 2023.

CONFERENCES ATTENDED:

- Attended 5th IEEE International Conference for Convergence in Technology (I2CT) Pune, India., March 29 -31, 2019.
- Attended International Conference on Pervasive Computing (ICPC -2020), 13th -14th February 2020.

FDP/STTP/SDP ATTENDED:

- TEQIP/AICTE/ISTE/IETE sponsored FDP -15+
- Spoken Tutorial IIT Bombay sponsored FDP -02
- Infosys sponsored workshop – 01
- Others -25+

RESPONSIBILITIES HANDLED AT STES/SCOE/DEPT:

Society Level

- Organizing committee member of the International Telecommunication Union (ITU) International Conference (ITU) held at Narhe Campus.
- Committee Member for Sinhgad Karandak.
- Committee Member for Mission 2021,2022,2023,2024 Admission Counseling Cell as a District Coordinator for Akola.

Institute Level (SCOE)

- NAAC Data Validation & Verification Committee member for 2023-24.
- Organizing committee member of INNOVATION, e-PGCON, AVISHKAR.
- Admission committee member for the FE/DSE/ME/MBA admission process.
- Exam coordinator and an organizing committee member for the ME Entrance Examination.
- Organizing committee member for Ph. D pre-synopsis.

Department Level (E&TC)

- Lab In charge of Project Laboratory-I, Teacher Guardian, Class Teacher
- Organizing committee members for various Staff Development Programs & National, International Conferences
- Departmental Result Analysis Committee Coordinator
- Departmental SPPU PR/OR Exam Coordinator
- Project Guide & Project evaluation Committee Coordinator for BE & ME students

- NAAC and NBA criteria committee member
- Departmental Techtonic Coordinator (From 2014 to 2020)
- Department Research Proposal/Account Committee Coordinator

DECLARATION:

I hereby declare that all the above information furnished by me is true to the best of my knowledge.

Date: / / 2024

Signature