



Dr. RAMESHWAR SHANKARRAO KAWITKAR

Professor, Department of E & TC



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OVERVIEW:

Qualifications: Ph.D. (Electronics Engineering)

M.S. (Electronics and Control Engineering)

B.E. (Electronics Engineering)

MBA (HRM)

Experience: Teaching- 34 Years

Date of Joining STES: 22/12/2005

Memberships of Professional Societies: LMISTE, LMINPA

SIGNIFICANT ACHIEVEMENTS:

1. Received best reviewer award from the Advances in Science, Technology and Engineering (ASTES) Journal.
2. Received best paper award for the paper, "Powerline communication-based sensor data acquisition and monitoring system for canal automation." in the 2023 IEEE Fifth International Conference on Advances in Electronics, Computers and Communications, ICAECC (IEEE Conference Record No: 59324) on 07th and 08th September 2023, held at School of ECE, REVA University, Bengaluru, India.
3. IBC TOP 100 ENGINEERS: Honoured as a member of the IBC TOP 100 ENGINEERS 2009 by International Biographical Centre, Cambridge, England
4. Who in the World, 26th edition 2009: Included in Who's Who in the World, 26th edition 2009, 890 Mountain Ave, Suite 300 New Providence, NJ 07974, USA.
5. As a reviewer in many conferences and journals.
6. Member of Board Editor of many journals
7. Member of Program Committee member of many conferences.
8. Organizing member of conferences.
9. Mentor of IRDA
10. Travelled to Singapore for presenting the research paper, "An approach for MUSIC Algorithm in Smart Antenna System", in 2005 IEEE International Workshop on Antenna Technology: Small Antennas and Novel Metamaterials held at Marina Mandarin, Singapore in March 2005.
11. Visited Banff, Alberta, Canada in July 2003 to present a research paper in IASTED's International Conference on Wireless and Optical Communication.
12. Visited Dubai in Dec 2009 to present a research paper in 5th International Conference on MEMS NANO, and Smart Systems (ICMENS 2009).
13. Delivered around 20 guest lectures in various technical conferences and seminars.
14. Chaired various conferences' technical sessions.
15. Worked as an expert for SPPU interview panel.

AREA OF EXPERTISE /RESEARCH INTERESTS:

Wireless Communication, Adaptive Antennas, Signal Processing, Research Methodology, etc

NUMBER OF STUDENTS GUIDED:

Ph D – 06, M.E. – 43

RESEARCH PULICATIONS:**Publication Summary:**

Scopus / SCI - 16

International Journals - 43

Conference - 37

H index - 15

i10 Index - 21

<https://scholar.google.co.in/citations?user=6DyJfA8AAAAJ&hl=en>

FUNDED RESEARCH PROJECT:

1. Design of Smart Antenna Testbed Prototype

The problems in 3G systems can be effectively tackled by using smart antennas. The project aims to design and develop an advanced antennas test-bed to serve as a common reference for testing adaptive antennas arrays and signal combining algorithms, as well as complete systems. A flexible suite of offline processing software is written to perform system calibration, test-bed initialization data acquisition control, data storage/transferring, offline system processing and analysis and graph plotting

Amount Received: Rs. 700000

Sponsored by AICTE New Delhi

2. Design and analysis of semi-smart antenna array

Studied a detailed evaluation of the technical, standard and business issues raised by employing smart antenna systems. Also studied semi-smart antenna systems and traffic load balancing algorithms. Developed a novel optimization algorithm, system level simulations and the hardware aspects of this technology and built a prototype system to demonstrate the feasibility of this technique

Amount Received: Rs. 250000

Sponsored by BCUD UOP Pune

NOTABLE GUIDED PROJECTS:

Guided Few Industry Sponsored Projects through CWPRS, HEMRL (DRDO), etc

RESOURCE PERSON TO INDUSTRY/ACADEMIA:

- Reviewer for
 1. Journal of Engineering and Technology Research (ISSN: 2006-9790), Mauritius.
 2. Journal of Engineering Research and Design (ISSN: 2331-5830), Peak Journals Limited, Dallas Tx, USA.
 3. Greener Journal of Science, Engineering and Technology Research (GJSETR) ISSN: 2276-7835
 4. Journal of Electromagnetic Waves and Applications (JEMWA), Progress in Electromagnetic Research (PIER, B,C,M, PIER Letters), Concord Avenue Cambridge, MA 02138, USA
 5. International Journal of Computer and Engineering Research, Nairobi, Victoria Island, Lagos.
 6. 2nd International Conference on Electronics and Optoelectronics, (ICEOE 2012), July 2012, Shenyang, China.
 7. 2nd International conference on Advances in Computing, Communications and Informatics, August 2013, Mysore, India.
 8. International Conference on Advances in Computing, Communication and Control, January 2013, Mumbai, India.
 9. International Conference on Global Innovation in Technology and Sciences (ICGITS 2013), April 2013 Kottayam, India.
 10. International Journal of Telecommunications and Emerging Technologies
 11. Journal of Microcontroller Engineering and Applications
 12. Journal of Current Trends in Signal Processing
 13. Journal of Microwave Engineering & Technology
 14. Journal of Recent Trends in Fluid Mechanics
 15. Journal of Recent Trends in Electronics Communication Systems
 16. Journal of Multimedia Technology & Recent Advancements
 17. Journal of Telecommunication, Switching Systems and Networks
 18. NCPC Conference

- DIPEX Judge
- ePGCON Judge
- PhD and ME/M Tech examiner for few Universities

SUBJECTS TAUGHT:

- Image Processing and Pattern Recognition
- Digital Signal Processing
- Image Processing and Pattern Recognition
- Computer Networks
- Embedded Signal Processing Architectures,
- Research Methodology,
- Microcontrollers and Applications,
- Electromagnetic Field Theory,
- Project Management,
- Business Management,
- Telecom Network Management,
- Wireless and Mobile technologies,
- Wired and Wireless Networks,
- Multimedia Techniques,
- Computer organization,
- Control Systems,
- Communication Engineering,
- Electronics Devices and Circuits,
- TV Engg,
- Programming languages,
- Digital system design,
- Microprocessors,

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

- Advances in Wireless and Mobile Technologies on June 07-11, 2016

CONFERENCES ATTENDED:

More than 20 Conferences Attended

FDP/STTP/SDP ATTENDED:

More than 15 Attended

RESPONSIBILITIES HANDLED AT STES/SCOE/DEPT:

At SCOE Level:

1. As Professor Convener Student Activities of SCOE
2. Institute Coordinator of Techtonic, Excelsior.

3. Institute Coordinator of Sinhgad Student Council
4. Student Development Officer (SDO) of SCOE for SPPU
5. SPoC of MoU between ETS India Private Limited and Sinhgad Institutes
6. SPoC of MoU between Accenture (Japanese Language) and Sinhgad Institutes
7. Institute Coordinator of Student Training Program in the past
8. Institute Coordinator of Avishkar a research competition of SPPU at SCOE in the past
9. Faculty selection process committee member in the past
10. Student meeting coordinator while NAAC
11. Student Pending fees collecting coordinator in the past
12. Few Seminars/Guest lecture organized
13. Member of Anti-ragging committee
14. Member of Anti-ragging squad
15. Member of NSS committee
16. Member of Prayas committee
17. Member of Equal opportunity cell

At Dept Level:

1. In charge HOD in the absence of regular HOD
2. Faculty selection committee member
3. Lab in-charge
4. Subject in-charge
5. Teacher Guardian coordinator
6. Mid Term evaluation coordinator
7. Lab visit coordinator while NAAC
8. Course file coordinator
9. Research Grant Proposals coordinator

DECLARATION:

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

Date: / / 2024

Signature