Prof. SHASHIKALA ARVIND KOTI

Assistant Professor, Department of E & TC

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OVERVIEW:

Qualifications: ME (Electronics), BE (Electronics and Communication)

Experience   : Teaching - 20 Years, Tech Assist – 1 Year

Date of Joining STES: 22/07/2005

Skills and Proficiencies: Image Processing, C, C++, Java, Advanced Java, Java Script

SIGNIFICANT ACHIEVEMENTS:

- Certificate of Achievement for Outstanding Contribution in Content Development of "IT OLYMPIAD 2017" A Multilayer Examination and Mega Quiz Contest by Computer Society of India and Rotary Club of Pune Pride on a National level
- Reviewer for the Text book Electronic Circuits – Tech-Neo Publications

AREA OF EXPERTISE /RESEARCH INTERESTS:

Image Processing, Coding in C++ , Java, Java Script

NUMBER OF STUDENTS GUIDED:

M.E. - 03, B.E. – 20+

RESEARCH PULICATIONS:

Publication Summary:

- International Journals - 3
- Conference – 10
- H index - 1
- i10 Index - 1

https://scholar.google.com/citations?user=5DTSyV4AAAAJ

FUNDED RESEARCH PROJECT:

RESEARCH WORK:

Research Work:

Steganography – An art of hiding data

This work presents a scheme that can transmit large quantities of secret information and provide secure communication between two communication parties. Both steganography and cryptography can be woven into this scheme to make the detection more complicated. Any kind of text data can be employed as secret msg. The secret message employing the concept of steganography is sent over the network .In addition, the proposed procedure is simple and easy to implement. Also, the developed system has many practical, personal and militaristic applications for both point-to-point and point-to multi-point communication.

NOTABLE GUIDED PROJECTS:

- Implementation of FIR Adaptive Filter using distributed Arithmetic & Block LMS Algorithm
- Design and Verification of APB Protocol for Low Bandwidth SFR read/write using UVM.
- A Step Towards Cashless India using Block Chain Technology.

RESOURCE PERSON TO INDUSTRY/ACADEMIA:

- Reviewer in National Conference on Pervasive Computing -2018.
- Resource Person for Train The Trainers Program of SE E&TC for the subject Electronic Devices & Circuits at RMDSSOE, Warje.
- Resource Person for Train The Trainers - 2019 Program of SE E&TC for the subject Object Oriented Programming at SITS, Narhe.
- Reviewer in 3rd,4th & 5th IEEE International Conference on Emerging Smart Computing and Informatics (IEEE ESCI-2021), (IEEE ESCI-2022) & (IEEE ESCI-2023).
- Worked as a Team Member for Syllabus designing/framing for the subject Fundamentals of Java Programming TE (E&TC) Syllabus Revision 2019 Course, BoS (Electronics & Telecommunication Engineering), Savitribai Phule Pune University.
- Session Chair in the National Conference on Pervasive Computing (NCPC) – 2024 organized by E & TC Dept, SCOE

SUBJECTS TAUGHT:

- Basic Electronics Engineering (FE)
- Solid State Devices & Circuits (SE)
- Electronic Devices & Circuits (SE)
- Object Oriented Programming (SE)
- Digital Design & Computer Organization (TE)
- Fundamentals of Java Programming (TE)
- Advanced Java Programming (TE)
- Telecommunication Switching Systems (BE)
- Mobile Communication (BE)
- Computer Networks & Systems (BE)
- Java Script (BE)
- Digital Business Management (BE)

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

CONFERENCES ATTENDED:

- Regional Conference : Innovation – 2008, 1st ePGCon' 08
- National Conference :   RTNSC-2009, ATEMT-2009, NCLTE – 2013, NCPC-2018
- International Conference :   ICPC- 2015

FDP/STTP/SDP ATTENDED:

- AICTE Approved STTP - 6
- TEQIP Sponsored FDP - 3
- ISTE Approved STTP - 5
- Other FDP/STTP/SDP : 20

RESPONSIBILITIES HANDLED AT STES/SCOE/DEPT:

Society Level

- Organizing committee member for International Telecommunication Union (ITU)International Conference (ITU) held at Narhe Campus
- Discipline Committee Member for Dandiya, Sinhgad Karandak etc.

Institute Level (SCOE)

- Art Committee Incharge for Srujan Magazine in the year 2010.
- Organizing committee member for INNOVATION, Graduation Ceremony.
- Direct Second Year Admission Committee member for the academic year 2021-22
- Art Committee Member for NAAC Visit.

Department Level (E&TC)

- Departmental Time Table Incharge.
- Departmental Minutes of Meeting Incharge.
- Departmental Feedback Committee member.
- Project Guide for BE & ME students
- Mentor for TE Internship Students
- Teacher Guardian, Class Teacher
- Organizing committee member for various Staff Development Programs & National, International Conferences.
- Project Guide for BE & ME students
- Department Decoration Committee Incharge for Techtonic 2023.

DECLARATION:

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

Date: /   / 2024   Signature