



Dr. M. Pauline BE.,ME., Ph.D
MISTE, MCSI, MDSA

Communication Address:

Professor and HoD,
Dept of CSE
S.E.A.C.E.T
Ekta Nagar, Basavanapura,
Virgonagar Post
(K.R.Puram)
Bangalore-49

Mobile Number: 91-9945254142
hodcse.sea@gmail.com

Academic Qualifications

- Ph.D. - Annamalai University (2014)
- M.E - NIT (Regional Engineering College), Trichy (1997)
- B.E - Annamalai University (1992)

Career Summary

- Member of BOE – VTU for the academic year 2015-16
- Research Head - CSE affiliated to VTU
- Question paper setter and Question paper scrutinizer in VTU
- Presently working as Head of the Department of CSE.
- Reviewer board member for several International Journals and Conferences
- Indian examiner for PhD thesis evaluation.
- Convener for International Conference - ICAICT-2016
- Organized National conference TRIC 2014 (Technological Revolution in Intelligent computing)
- Coordinated funding approval for DBT National workshop and obtained approval in July 2015
- Organized FDP on emerging trends and technologies (Cloud Computing and its applications) between 22nd -24th July 2015

- Organized national summer internship program on Big Data & Hadoop and Embedded systems & Robotics between 6th -13th July 2015.
- Organized national winter training program on Android app development between 25th Jan -2nd Feb 2016
- Worked on one of a topic submitted to Karnataka knowledge commission to make use of technology in education.
- Submitted proposals to get fund from DST
- Director for UG Course
- Guiding two Research Scholars at VTU, registrations for two are in progress.
- SPOC for NPTEL Local Chapter

Subject Specialization:

Computer Networks, Operating system, Digital Electronics, Computer Organization, Cryptography and network security, System Software, Software Engineering.
 Skilled in collecting appropriate research material for students.

Key Responsibilities Handled

- Supervising, instructing and evaluating students.
- Student councilor
- Student coordinator
- Proctor for final and pre-final year students
- Attendance Controller

- ISO Co-coordinator
- Internal Quality Auditor
- NAAC & NBA Accreditation
- Moderator in university exams
- Advisory member
- College Editorial Board Member
- Preparing proposals for research funding project
- Chief coordinator for funded national workshop

Professional Experience

National Institute of Technology (Formerly “REC”), Tiruchirappalli, Tamilnadu

Research Assistant

July 1994- 1997

- Conducted classes on Computer Organization, Logic design etc
- Implement various teaching methods and procedures to maintain the standard of academic excellence.
- Conducted assessment exams and gave assignments to grade the student learning.
- Submitted class grade to the college or university registrar and other student updates.
- Responsible for purchasing teaching aids.
- Provided consultation to the student regarding their course objectives and career related matters.

JJ College of Engineering, Tiruchirappalli, Tamilnadu

Lecturer

March 1998 – 2000

- Delivered lectures to under and post graduate students on System software, computer networks
- Provided study materials to the students, assign project work and help them to clarify their doubts regarding project and assignment.
- Organized workshops and arrange guest lecturers for providing additional knowledge to students in the area of Cryptography, Big Data, Cloud Computing and Networks.
- Arranged educational trips for the students including industrial visits to SAP, Microsoft, Infosys.
- Co-ordinated with IBM to establish CoE
- Co-ordinated with Spaneous solution and established an MOU and conducted FDP and
- enabled Internships for students
-

MVJ College of Engineering, Bangalore

- from May 2002-2003
- Senior Lecturer from 2003-2004
- Assistant Professor from 2005-2014
- Professor & HoD from 2014 -2016

SEA College of Engineering, Bangalore

- Professor and HoD from 2017 onwards

Expertise:

- Delivering lectures to under and post graduate students on Computer organization, Logic design, Digital electronics, Computer networks,
- Operating system and Software engineering.
- Provide study materials to the students, assign project work and help them to clarify their doubts regarding project and assignment.
- Guided projects from NAL,AkashC2 etc
- Funding proposal accepted by DBT in 2015.
- Submitted proposal to DST for funding

Papers Publication Details:

International Journals

International Journals:

1. Pauline.M, Aruna.P, Shadaksharappa.B, “Software cost Estimation model based on proposed Function point and Trimmed cost drivers using COCOMO II” *International Journal of Engineering Research and Technology (IJERT)*, vol. 01, no. 05, July 2012.
2. Pauline.M, Aruna.P, Shadaksharappa.B, “Layered Model to Estimate Effort, Performance and Cost of the Software Projects” *International Journal of Computer Applications (IJCA)*, vol. 63, no. 13, February 2013, (impact factor: 0.814) .

3. Pauline.M, Aruna.P, Shadaksharappa.B, “Fuzzy based Analysis of Software Effort and Cost Estimation using Intermediate Cocomo and Cocomo II” *An International Journal of Computer Science and application (Digitech)*, vol. 03, no.07, February 2013, (impact factor: 1.122).
4. Pauline.M, Aruna.P, Shadaksharappa.B, “Fuzzy based Analysis of Software Effort and Cost Estimation using Intermediate Cocomo and Cocomo II” *ICTACT Journal on Soft Computing (ICTACT)*, vol. 03, no. 03, April 2013.
5. Pauline.M, Aruna.P, Shadaksharappa.B, “Comparison of available methods to estimate effort and cost with the proposed method” *IET Software(IET)* (under review).
6. Pauline.M, Aruna.P, Shadaksharappa.B, “Comparison of available methods to estimate effort, performance and cost with the proposed method”, *International journal of engineering inventions (IJEI)*, vol. 02, no. 09, May 2013.
7. Vanshika.R, Ananthaxshi, Shewta, Pauline M ,” An efficient client centric software development life cycle model with Cost and effort estimation” *IJMS IJMS* vol. 01, no. 04, Nov 2015.
8. Pauline M, Seena Elizebeth Mathew, “Http Botnet Defence Mechanism using system dynamics based generic algorithm”, *Indian Journal of science and technology*, vol 9, issue 16, April 2017.
9. Pauline M, Supriya v.sullad, “An Improvement in defect detection Efficiency – A Review” , *Indian Journal of science and technology*,vol 9, issue 15, Dec 2016.
10. Pauline M, Sivaprakash. C, “Configuring Linux System for Internet Protocol based Multimedia Communication Network”, *Indian Journal of science and technology*, vol 9, issue 16, Feb 2017.

National Journals

11. Pauline.M, Aruna.P, Shadaksharappa.B, “Fuzzy based approach using Enhanced Function Point to Evaluate the performance of Software Projects”, *The IUP journal of computer sciences (IUP)*, vol .06, no.02, April 2012.

International Conferences

12. Pauline.M, Aruna.P, Shadaksharappa.B, “A Layered Model For Software Metrics”, *International Conference on Intelligent Design and Analysis of Engineering products, system and computation (IDAPSC10)*, pp.63-65,Sri Krishna College of Engineering and technology, Coimbatore.
13. Pauline.M, Aruna.P, Shadaksharappa.B, “A Cost Model for Estimation of the Software Developed”, *International Conference on Communication, Computation, Control and Nanotechnology (ICN-2010)*, pp.762-764, Rural College of engineering, Bhalki.
14. Pauline.M, Aruna.P, Shadaksharappa.B, “An Effort Estimation Model for Software Projects”, *2nd International Conference on Communication, Computation, Control and Nanotechnology (ICN-2011)*, Rural College of engineering, Bhalki.

National Conferences/Seminars

15. Pauline.M, Aruna.P, Shadaksharappa.B, “An Approach for Test Execution Effort Estimation”, *A National Conference on Emerging trends in Engineering technology and application* (NCETETA '09), ShirdiSai College of engineering, Bangalore.
16. Pauline.M, Aruna.P, Shadaksharappa.B, “Software Effort Estimation”, *National Conference on Emerging trends in Engineering technology and application* (NCETETA- '10), ShirdiSai College of engineering, Bangalore.
17. Pauline.M, Aruna.P, Shadaksharappa.B, “A Fuzzy Based Approach for the Enhanced General System Characteristics to Estimate Effort of the Software Projects” TRIC 2014,MVJCE,Bangalore