# P. SAKTHIVEL M.E.,

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Salem-636309, Tamilnadu, India.

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## EXPERIENCE IN TEACHING: 2.6 Years

## COMPUTER PROFICIENCY

**Languages**        : C, Python, Ruby, R Programming
**Simulation Tools**  : NS-2
**Cloud Toolkits**    : Openstack, Open Nebula, Virtualization with KVM
                       Hadoop Installation and Map Reduce Tasks
Worked on both Windows and Linux platform

## AREA OF SPECIALIZATION

- Cloud Computing
- Data Science and Big Data Analytics
- High Speed Networks
- Programming Languages

## SUBJECTS HANDLED

- C# and .NET Framework
- Computer Programming (Theory & Lab)
- Digital Principles and System Design (Theory & Lab)
- Web Technology
- Wireless Networks
- Software Project Management
- Grid and Cloud Computing (Theory & Lab)
- Computer Networks (Theory & Lab)

## EVENT ORGANIZED

- Organized a **Workshop on Information Security Awareness by Center for Development of Advanced Computing (CDAC), Hyderabad.**
- Organized Advanced C Programming Training for CSE students

## TECHNICAL SESSION HANDLED

- Handled a Workshop Session **EMC$^2$ – Data Science & Big Data Analytics** on "**Virtualization with KVM**" - 27th August 2016 (Novitas 2K16).
- Handled a Value Added Course on **Data Science & Big Data Analytics**

## NO. OF PROJECTS GUIDED: 02

## CERTIFICATION COURSES

- ➢ Completed Certification in **Microsoft Technology Associate (MTA)** on **.NET Fundamentals**
- ➢ Completed Certification in **EMC Academic Associate on Data Science and Big Data Analytics**

## ONLINE CERTIFICATION COURSES

- ➢ Completed Certification in **IEEE Continuing Education** on **Cloud Based Solutions for Big Data**
- ➢ Completed Certification in **Elsevier Publishing Campus** on **Preparing your manuscript**
- ➢ Completed Certification in **Elsevier Publishing Campus** on **The journal publishing cycle**
- ➢ Completed Certification in **Elsevier Publishing Campus** on **Successful grant writing**
- ➢ Completed Certification in **Big Data University** on **Big Data Fundamentals**
- ➢ Participated in **Promoting Integrity and Eradicating Corruption** organized by **Central Vigilance Commission of India**

## INTERNATIONAL JOURNAL PUBLICATIONS

**Number of Papers Published**
    **International Journal:** 09

- ➢ Published a paper in **CiiT Data Mining and Knowledge Engineering, Vol. 7, No. 10 (2015)**
- ➢ Published a paper in **The International Daily journal, Vol. 35 (158), (2015)**
- ➢ Published a paper an **Indian Journal of Science, Vol. 19(62), 2015**
- ➢ Published a paper an **Indian Journal of Science, Vol. 18(57), 2015**
- ➢ Published a paper an **International Journal of Applied Engineering Research (IJAER), ISSN 0973-4562 Vol. 10 No.77 (2015)**
- ➢ Published a paper an **International Journal of Engineering Associates (IJEA), Vol. 4, Issue 7 July 2015**
- ➢ Published a paper an **International Conference on Electronics and Communication Systems (ICECS'14) in 2014 IEEE Digital Library ISBN # 978-1-4799-2320-5**
- ➢ Published a paper an **Asian Journal of Engineering and Applied Technology (AJEAT), Vol. 3 No. 1 January - June 2014**
- ➢ Published a paper an **International Journal of Engineering Trends and Technology (IJETT), Vol. 10 No. 7 - Apr 2014**

## INTERNATIONAL & NATIONAL CONFERENCE PUBLICATIONS

**Number of Papers Presented**
    **International Conferences: 01**
        **National Conferences: 09**

- Presented a paper in National Conference on Recent Trends in Engineering and Technology (NCRTET'15) held at **KSR Institute for Engineering and Technology** titled **Router Failure Detection**
- Presented a paper in National Conference on Engineering Applications for Developing Smart Cities (NCEADS'15) held at **Dhirajlal Gandhi College of Technology** titled **Ocean Shipping and Tracking System For Global Distribution Network Integration**
- Presented a paper in National Conference on Engineering Applications for Developing Smart Cities (NCEADS'15) held at **Dhirajlal Gandhi College of Technology** titled **Evaluating The Performance Improvement Of Multihoming Based Handover Mobility Management In Wireless Networks**
- Presented a paper in National Conference on Engineering Applications for Developing Smart Cities (NCEADS'15) held at **Dhirajlal Gandhi College of Technology** titled **A Survey on Developing Smart Cities for Cloud Based Applications**
- Presented a paper an International Conference on Electronics and Communication Systems (ICECS' 14) held at **Karpagam College of Engineering** titled **Dynamic Multi-Path RWA Algorithm for WDM Based Optical Networks**
- Presented a paper in National Conference on Wireless Networks, Computing and Communication (NCWINCC' 14) held at **PSG College of Technology** titled **Dynamic Multi-Path RWA Algorithm for WDM Based Optical Networks**
- Presented a paper in National Conference on Communication, Computing & Networks (NCCCN, 13) held at **Bannari Amman Institute of Technology** titled **Dynamic Multi-Path RWA Algorithm for WDM Based Optical Networks**
- Presented a paper in National Conference on Information Computational Algorithms & their Applications (NCICAA' 13) held at **Selvam College of Technology** titled **Adaptive Mobile Cloud Computing to Enable Rich and Mobile Multimedia Application**
- Presented a paper in National Conference on Innovation in Computing and Communication (NCICC' 13) held at **Sri Shanmuga College of Engineering and Technology** titled **Strategies for Testing Telecommunication Services**
- Presented a paper in National Conference on Innovation in Computing and Communication Technologies (NCICCT' 13) held at **Kongunadu College of Engineering and Technology** titled **A Secure Intrusion-Detection for Enhanced Adaptive Acknowledgement (EAACK) System for MANETs**

## FACULTY DEVELOPMENT PROGRAMME (FDP) ATTENDED

**FDP Attended: 07**

- Participated and Faculty Advisor for **"tHINK cREATE eNGINEER"** program conducted by **PALS (PAN IIT Alumni Leadership Series) and AidVision** at **IITM Campus, Chennai**
- Participated in iON PRIDE Faculty Development Programme on **"NPTEL, Digital Forces- Mobility and Social"** at **TCS Siruseri, Chennai**
- Participated in a seven days Anna University Sponsored Faculty Development Programme on **"CS6703-Grid and Cloud Computing"** at **Madras Institute of Technology, Chennai**

- Participated in a five days Faculty Development Programme on **"Data Science and Big Data Analytics"** conducted by ICT Academy of Tamilnadu (ICTACT) at **Dhirajlal Gandhi College of Technology, Salem**
- Attended a seven days Anna University Sponsored Faculty Development Programme on **"Programming and Data Structures-I"** at **Dhirajlal Gandhi College of Technology, Salem**
- Attended a two days Faculty Development Programme on **"IBM Bluemix"** at **Er.Perumal Manimekalai Engineering College**, **Hosur**
- Participated and presented in Faculty Development Programme on **"Pedagogy and Department Record Maintenance"** at **Dhirajlal Gandhi College of Technology, Salem**

## INDUSTRIAL TRAINING/INDUSTRY VISIT

**Industry Visit: 04**
**Industrial Training: 02**

- Visited **DRDO - Combat Vehicles Research & Development Establishment (CVRDE), Chennai Ruby Jubilee Celebration**
- Participated in technical seminar on **"How to make Industry Ready Teachers"** organized by **BuddiHealth Inc, USA** at **Dhirajlal Gandhi College of Technology**
- Industrial Visit at **Dell EMC Bangalore**, session on **Cloud data centre, Virtualization and Data Analytics**
- Visited **SAIL - Salem Steel Plant**
- Industrial Visit at **TransIT mpower Labs (P) Ltd. Bangalore,** session on **Liferay Technology**
- Attended a two day seminar on "**GARUDA-NKN Partners Meet**" at **NIAS, IISc. Bangalore** Organized by **CDAC, Bangalore**

## WORKSHOP/SEMINAR ATTENDED

**Workshop/Seminar Attended: 14**

- Participated in one day workshop on **"Outcome Based Education (OBE)"** held at **K.S.R. College of Engineering, Tiruchengode.**
- Attended a workshop on **"Free Software Technologies"** at **Mahendra Engineering College**
- Attended a seminar on **"ICTACT Entrepreneurship Summit 2015"** Organized by **ICT Academy of Tamilnadu**.
- Attended a workshop on **"Writing Research Papers, Plagiarism and Citation Analysis"** at **K.S.Rangasamy College of Technology**
- Attended a workshop on **"Green Computing"** at **Dhirajlal Gandhi College of Technology**
- Attended a two day workshop on **Big Data Analytics** at **Anna University, Coimbatore**
- Attended the **Pedagogical Training Programme on "Effective Teaching Methodologies"** at **Dhirajlal Gandhi College of Technology**

- ➢ Participated in the **"New Faculty Induction Programme"** Organized by **CII Salem** at Hotel Park Plaza, Salem
- ➢ Participated in the **"Golden-Tech Bridge Programme of Computer Basics & Hardware troubleshooting"** Organized by **Dhirajlal Gandhi College of Technology, Salem** in Association with **Computer Society of India(CSI)**
- ➢ Attended a two day workshop on **Network Simulator-2** at **K.S.Rangasamy College of Technology**
- ➢ Attended a two day workshop on **Recent Trends and Research Issues in Intelligent Optical Networks** at **Dhirajlal Gandhi college of Technology**
- ➢ Attended a workshop on **Research Opportunities in Embedded Systems and Wireless Communications** at **Mahendra Engineering College**
- ➢ Attended a workshop on **Database Administration** at **Excel Engineering College**
- ➢ Participated in the **INFOSYS Campus Connect Soft Skills Training Program** at **Mahendra Engineering College**

## ADDITIONAL RESPONSIBILITIES

- ➢ NBA Coordinator & NAAC Criteria In-charge
- ➢ Student Association Coordinator
- ➢ Student Co-curricular and Extra Curricular Activities Coordinator
- ➢ ISTE Coordinator
- ➢ UG Class Advisor
- ➢ Department Events Committee work

## ACHIEVEMENTS

- ➢ Received certificate of Merit for **First Rank** in Class in the First semester in **Anna University Examinations, Chennai** held during **Dec-2012/Jan-2013**
- ➢ Received certificate of Merit for **Second Rank** in Class in the Third semester in **Anna University Examinations, Chennai** held during **Jan-2014**
- ➢ Received certificate of Merit for **Second Rank** in Class in the Fourth semester in **Anna University Examinations, Chennai** held during **June-2014**

## PROFESSIONAL MEMBERSHIP

- ➢ Active member an International Association of Computer Science and Information Technology (IACSIT)
- ➢ Institute of Research Engineers and Doctors (IRED)
- ➢ International Association for the Engineers and Computer Scientists (IAENG)

**"I AM A TEACHER"**

**It's who I am.**

**It's my Passion,**

**My calling and My world.**