SHABARIRAM C P - I0184

ASSISTANT PROFESSOR (SENIOR GRADE) - COMPUTER
SCIENCE AND ENGINEERING

✉ cps@psgitech.ac.in ☏ 9597914237 ⚲ Tiruppur

Date Range -
📅 02/May/2017 to 26/Mar/2024

Overview

Very enthusiastic and lively educator. Researcher in the field of Cloud Computing. AWS Certified Cloud Practitioner. Developer - Java/J2EE. I have a great passion towards my teaching profession and molding energetic minds. Published a book entitled "Social Network Analysis". I have published numerous research papers in International journals, International conferences and National conferences. I have to my credit guiding numerous projects at the under graduate and post graduate level in the areas of Cloud Computing (Openstack, AWS, Windows Azure), Big Data Analytics (Apache Hadoop and Apache Spark) and Machine Learning. My expertise lies in teaching Programming - C /C++/ Java, Operating Systems, Data Structures, Computer Architecture, Compiler Design, Cloud Computing and Data Analytics.

Work Experience
Total Exp : 0.0 year(s) / Current Exp : year(s)

02-05-2017 - Present	**Assistant Professor (Sr. Gr.)** PSG Institute of Technology and Applied Research
05-06-2014 - 30-04-2017	**Assistant Professor** Sri Shakthi Institute of Technology and Applied Research

Education

2014	**PG** ANNA UNIVERSITY ANNA UNIVERSITY CHENNAI
2012	**UG** ANNA UNIVERSITY ANNA UNIVERSITY TRICHIRAPPALLI

PHD
ANNA UNIVERSITY
Kongu Engineering College
Erode

Computer/IT Skills

C C++ Java Python R Scala Ubuntu Cent-OS Linux-mint Windows

Cloud-Computing Edge-Computing Big-Data-Analytics Openstack EdgeCloudSim AWS Hadoop

Google-APP-Engine R-Studio

Languages Known

● ENGLISH ● TAMIL

Subjects Handled

Cloud-Computing Data-Structures Algorithms Theory-of-Computation Compiler-Design

Object-Oriented-Programming

Competitions   Total : 1

Solve-a-thon

, 🏢 CII, 🏅 II PRIZE

Competitive Exam Scores   Total : 1

NET

⊗ UGC NET, 📄 96 Percentile, 📅 2019

Membership in Professional Bodies   Total : 1

IEI India

⊗ Associate member, 📅 2016-12-31

Publications

JOURNAL

PRIYA PONNUSAMY P | VIDHYA PRIYA R | SHABARIRAM C P

FILE RETRIEVAL AND STORAGE IN THE OPEN SOURCE CLOUD TOOL USING DIGITAL BIPARTITE AND DIGIT COMPACT PREFIX INDEXING METHOD

WILEY

Volume No: **31**, ISBN/ISSN No: **15320626**, Issue No: **14**, Citation No: **2**, **2019**

PRIYA PONNUSAMY P | SHABARIRAM C P

CLIENT CLASSIFICATION AND DYNAMIC PRICING OF RESOURCES IN CLOUD USING CLOUD SIMULATOR

AURICLE GLOBAL SOCIETY OF EDUCATION AND RESEARCH

Volume No: **11**, ISBN/ISSN No: **23218169**, Issue No: **7 S**, **2023**

SHABARIRAM C P | SHANTHI N | PRIYA PONNUSAMY P

COMPUTATIONAL OFFLOADING IN VEHICULAR EDGE COMPUTING USING MULTIPLE AGENT-BASED DETERMINISTIC POLICY GRADIENT ALGORITHM AND GENERATIVE ADVERSARIAL NETWORKS

INDERSCIENCE

Volume No: **44**, ISBN/ISSN No: **17438225**, Issue No: **4**, **2023**

CONFERENCE-PAPER

PRIYA PONNUSAMY P | SHABARIRAM C P

LOAD BALANCING WITH HASHMAP IN CLOUD COMPUTING USING CLOUD SIMULATOR

SPRINGER, SINGAPORE

ISBN/ISSN No: **978-981-19-3310-3**, **2022**

SHABARIRAM C P | SHANTHI N | PRIYA PONNUSAMY P | PREMA R | SOWMIYA PRIYA R S

OPTIMIZING VIRTUAL MACHINE DOWNTIME IN LIVE MIGRATION USING THE LEAST FREQUENTLY USED SERVICE-BASED PRE-COPY ALGORITHM

IEEE XPLORE

2023

PRIYA PONNUSAMY P | SHABARIRAM C P | UMAYAL V R | SUSMETA A

CLOSEST CELESTIAL BODY SEARCH USING KD TREES

IEEE XPLORE

2023

SHABARIRAM C P   PRIYA PONNUSAMY P

SEMANTIC SIMILARITY BASED AUTOMATED ANSWER SCRIPT EVALUATION SYSTEM USING MACHINE LEARNING PIPELINE AND NATURAL LANGUAGE

⊚ SPRINGER, SINGAPORE

▤ Volume No: **1439**, ▤ ISBN/ISSN No: **978-981-19-9818-8**, ▤ **2023**

Patents

Total : ②

PUBLISHED

Total : ②

SIVAGANESAN D   KALA I   PRIYA PONNUSAMY P   SHABARIRAM C P

Secure the communication between IOT devices in Vehicular Network using authenticated encryption with associated data

Publication No:42/2022

⊚ **Indian Patent**, ▤ **2022**

SHABARIRAM C P   PRIYA PONNUSAMY P   KALA I   SIVAGANESAN D

Secure and Efficient Key Management Protocol for Wireless Communication

Publication No:02/2024

⊚ **Indian Patent**, ▤ **2023**

Books

Total : 5

SHABARIRAM C P

CLOUD COMPUTING (AU REGULATION 2021)

⊙ THE CHARULATHA PUBLICATIONS CHENNAI, 📅 2023

SHABARIRAM C P

CLOUD COMPUTING (AU REGULATION 2017)

⊙ CHARULATHA PUBLICATIONS, CHENNAI., 📅 2020

Dr. A. BHUVANESHWARI   SHABARIRAM C P   Y. SYED SHA MUHAMED

COMPUTER ARCHITECTURE (AU REGULATION 2017)

⊙ CHARULATHA PUBLICATIONS, CHENNAI., 📅 2019

SHABARIRAM C P

SOCIAL NETWORK ANALYSIS (AU REGULATION 2013)

⊙ CHARULATHA PUBLICATIONS, CHENNAI., 📅 2017

DR. R. MANJULA DEVI   M. SANGEETHA   C.SAGANA   SHABARIRAM C P

MULTICORE ARCHITECTURE AND PROGRAMMING (AU REGULATION 2017)

⊙ CHARULATHA PUBLICATIONS, CHENNAI., 📅 2017

Book Chapters

Total : 2

SHABARIRAM C P   PRIYA PONNUSAMY P

COMPUTATIONAL VISION AND BIO-INSPIRED COMPUTING

⊙ Springer, Singapore, 📅 2023

PRIYA PONNUSAMY P   SHABARIRAM C P

SMART DATA INTELLIGENCE

⊙ Springer, Singapore, 📅 2022

Events Organized

TECHNICAL FEST

PROJECT EXHIBITION FINAL YEAR CSE(20-24 BATCH)

⊗ COMPUTER SCIENCE AND ENGINEERING, 🏢 Management, 📋 3600, 📅 **2023-10-18 to 2023-10-18**

HANDS-ON TRAINING

HANDS-ON TRAINING PROGRAMME ON MICROSOFT OFFICE WORD, EXCEL AND POWER POINT

⊗ **PSG Institute of Technology and Applied Research**, 📅 **2019-11-09 to 2019-11-09**

FDP

FDP ON ORACLE DATABASE FOUNDATIONS

⊗ COMPUTER SCIENCE AND ENGINEERING, 📅 **2019-08-19 to 2019-08-23**

FACULTY DEVELOPMENT PROGRAMME ON COMPUTER ARCHITECTURE

⊗ COMPUTER SCIENCE AND ENGINEERING, 📋 15000, 📅 **2021-09-06 to 2021-09-10**

WORKSHOP

ISEA WORKSHOP ON "IOT - EDGE ECOSYSTEM: A SECURITY PERSPECTIVE"

⊗ COMPUTER SCIENCE AND ENGINEERING, 🏢 Management, 📋 19200, 📅 **2021-10-18 to 2021-10-18**

BLOCKCHAIN: RECENT TRENDS AND USE CASES

⊗ COMPUTER SCIENCE AND ENGINEERING, 🏢 Management, 📋 3000, 📅 **2022-05-11 to 2022-05-11**

GUEST LECTURE

TECHNICAL TALK ON "CRACKING GATE EXAM - ALGORITHMS AND DATA STRUCTURES" IS CONDUCTED IN ASSOCIATION WITH PSGI STUDENTS' CHAPTER, THE INSTITUTION OF ENGINEERS (INDIA).

⊗ COMPUTER SCIENCE AND ENGINEERING, 📅 **2020-08-01 to 2020-08-01**

TALK ON CRACKING GATE EXAM – DATA STRUCTURES

⊗ COMPUTER SCIENCE AND ENGINEERING, 📅 **2021-05-06 to 2021-05-06**

TALK ON CRACKING GATE EXAM – DESIGN AND ANALYSIS OF ALGORITHMS

⊗ COMPUTER SCIENCE AND ENGINEERING, 📅 **2021-05-13 to 2021-05-13**

OTHERS

VALUE ADDED COURSE ON 17CS03 IOT IN INDUSTRY 4.0

COMPUTER SCIENCE AND ENGINEERING, 2017-06-28 to 2017-07-03

VALUE ADDED COURSE ON 17CS01 CODING GUIDELINES FOR C PROGRAMMING LANGUAGES

COMPUTER SCIENCE AND ENGINEERING, 2018-01-22 to 2018-01-25

24 HOURS NON-STOP TRAILHEAD STUDENT CHAMPIONSHIP 2018 (LEARNATHON)

COMPUTER SCIENCE AND ENGINEERING, 2018-02-02 to 2018-02-03

VALUE ADDED COURSE ON 18CS01 AWS AND AZURE CLOUD MANAGEMENT

COMPUTER SCIENCE AND ENGINEERING, 2018-06-11 to 2018-06-14

VALUE ADDED COURSE ON 17CS01 CODING GUIDELINES FOR C PROGRAMMING LANGUAGES

COMPUTER SCIENCE AND ENGINEERING, 2019-01-28 to 2019-01-31

SHORT TERM COURSE ON AWS ACADEMY CLOUD FOUNDATIONS

COMPUTER SCIENCE AND ENGINEERING, 2019-08-28 to 2019-10-30

VALUE ADDED COURSE ON 19CS02 CAD FOR VLSI

COMPUTER SCIENCE AND ENGINEERING, 2019-12-11 to 2019-12-14

VALUE ADDED COURSE ON 19CS01 CODING GUIDELINES FOR OBJECT ORIENTED PROGRAMMING

COMPUTER SCIENCE AND ENGINEERING, 2020-02-11 to 2020-02-14

VALUE ADDED COURSE ON 18CS01 AWS AND AZURE CLOUD MANAGEMENT

COMPUTER SCIENCE AND ENGINEERING, 2020-11-10 to 2020-11-13

VALUE ADDED COURSE ON 19CS01 CODING GUIDELINES FOR OBJECT ORIENTED PROGRAMMING

COMPUTER SCIENCE AND ENGINEERING, 2021-02-02 to 2021-02-05

PROJECT EXHIBITION IN ITECH EXPO 2022

PSG Institute of Technology and Applied Research, 2022-03-26 to 2022-03-27

TOP FOOLS 2022

COMPUTER SCIENCE AND ENGINEERING, 2022-04-01 to 2022-04-01

VAC ON 23CS04 CLOUD COMPUTING EXPERIENCE WITH BUSINESS USE CASES

⊗ **COMPUTER SCIENCE AND ENGINEERING**, 🏢 Management, 📅 **2023-09-19 to 2023-09-22**

INDUSTRY ACADEMIA CONCLAVE 2023 - CSE

⊗ **COMPUTER SCIENCE AND ENGINEERING**, 🏢 Management, 📜 16025, 📅 **2023-10-26 to 2023-10-27**

CONFERENCE   Total : ①

NATIONAL CONFERENCE ON COMMUNICATION, COMPUTING AND SYSTEM DESIGN (NC3SD'19)

⊗ **COMPUTER SCIENCE AND ENGINEERING**, 📅 **2019-03-19 to 2019-03-19**

SEMINAR   Total : ③

RESEARCH TALK ON DATA SCIENCE AND DEEP LEARNING MODELS

⊗ **COMPUTER SCIENCE AND ENGINEERING**, 📜 3600, 📅 **2020-01-29 to 2020-01-29**

ARCESIUM INTERVIEW – THE IN AND OUT

⊗ **COMPUTER SCIENCE AND ENGINEERING**, 📅 **2021-06-17 to 2021-06-17**

HOW TO SET OFF FOR PLACEMENT AND HIGHER STUDIES

⊗ **COMPUTER SCIENCE AND ENGINEERING**, 🏢 Management, 📜 1000, 📅 **2022-09-28 to 2022-09-28**

Events Attended

TECHNICAL FEST

Total : 1

Solve-a-thon: Youth, Skills and the Workforce of the future contest

⊙ CII Coimbatore,   🗓 2018-09-30 to 2018-09-30

FDP

Total : 22

Faculty Development Program on Hadoop Technology

⊙ CTS Coimbatore,   🗓 2017-09-23 to 2017-09-23

4 day Faculty Development Program on Cloud Computing Architecture (AWS)

⊙ ICT Academy,   🗓 2018-01-22 to 2018-01-25

one week Faculty Development Program on Oracle Database Foundations

⊙ ICT Academy,   🗓 2019-08-19 to 2019-08-23

Professional Ethics & Sustainability

⊙ AICTE,   🗓 2020-02-01 to 2020-03-31

Communication Skills, Modes and Knowledge Dissemination

⊙ AICTE,   🗓 2020-02-01 to 2020-03-31

online Faculty Development Program on Emerging trends in Ethical hacking and cyber security

⊙ Hindustan Institute of Technology, Coimbatore,   🗓 2020-07-06 to 2020-07-10

virtual Faculty Development Program on Agile methodology

⊙ REVA University,   🗓 2020-07-14 to 2020-07-18

Artificial Intelligence and Data Analytics for Automation

⊙ Karunya Institute of Technology and Sciences, Coimbatore.,   🗓 2020-07-27 to 2020-07-31

5-day online FDP on the theme Inculcating Universal Human Values in Technical Education

⊙ AICTE,   🗓 2021-06-28 to 2021-07-02

12 Hours Faculty Development Program on Android Development with Kotlin

♾ **ICT Academy**,　📅 **2021-07-26 to 2021-07-30**

---

online Faculty Development Program on Computer Architecture

♾ **PSG CARE**,　📅 **2021-09-06 to 2021-09-10**

Introduction to Industry 4.0 and Industrial Internet of Things

♾ **NPTEL**,　🏢 INTERNAL,　📅 **2022-06-01 to 2022-10-31**

Applied Accelerated Artificial Intelligence

♾ **NPTEL**,　📅 **2022-06-01 to 2022-10-31**

Instructional Planning and Delivery

♾ **AICTE**,　📅 **2022-07-01 to 2022-08-31**

Technology Enabled Learning and Life-long Self-learning

♾ **AICTE**,　📅 **2022-07-01 to 2022-08-31**

Student Assessment and Evaluation

♾ **AICTE**,　📅 **2022-07-01 to 2022-08-31**

Creative Problem Solving, Innovation and Meaningful R&D

♾ **AICTE**,　📅 **2022-07-01 to 2022-08-31**

Institutional Management & Administrative Procedures

♾ **AICTE**,　📅 **2022-07-01 to 2022-08-31**

Two day Faculty Development Program on Cyber security and Digital Forensics

♾ **CSI Coimbatore chapter**,　📅 **2022-09-01 to 2022-09-02**

Faculty Development Program on Data Analytics using KNIME

♾ **PSG CARE**,　📅 **2023-02-11 to 2023-02-11**

Big Data Computing

♾ **NPTEL**,　📅 **2023-08-01 to 2023-10-31**

---

one week Faculty Development Program on Data Analytics using Python

⊗ ICT Academy,   🗎 2023-09-25 to 2023-09-29

WORKSHOP   Total : ⑥

one day workshop on Technical textiles and capabilities of PSGITECH COE INDUTECH

⊗ PSGITECHS COE INDUTECH, Neelambur.,   🗎 2017-10-16 to 2017-10-16

---

workshop on Activity based learning

⊗ PSG CARE,   🗎 2018-02-24 to 2018-02-24

---

faculty workshop using Salesforce Trailhead

⊗ ICT Academy,   🗎 2018-06-15 to 2018-06-15

---

one day workshop on Effective use of Moodle 3.5

⊗ PSG iTech,   🗎 2018-06-21 to 2018-06-21

---

online session on conduct of online laboratory classes - a demo

⊗ PSG CARE,   🗎 2020-07-21 to 2020-07-21

---

online session on Effective method of handling online classes

⊗ PSG CARE,   🗎 2020-07-31 to 2020-07-31

OTHERS   Total : ⑩

37th Edition of BRIDGE 2019 - CHENNAI

⊗ ICT Academy,   🗎 2019-01-31 to 2019-01-31

---

six week intensive training program on educational technology (PET 2019)

⊗ PSG CARE,   🗎 2019-05-06 to 2019-06-14

Orientation towards Technical Education & Curriculum Aspects

⊗ AICTE,   🗎 2020-02-01 to 2020-03-31

Session 2 of Sky Campus - Webinar on the theme leading in VCUDA World

⊗ ICT Academy,   🗎 2020-04-02 to 2020-04-02

ICT Academy Convergence 2020

ICT Academy, 2020-07-15 to 2020-07-15

webinar on AWS cloud practitioner essentials

East Point College of Engineering and Technology, Bangalore., 2020-07-15 to 2020-07-15

one week STTP on Artificial Intelligence in Health Care

Kumaraguru College of Technology, 2020-07-16 to 2020-07-22

webinar on Value of IEEE Publications in Research and Career Development

EBSCO, 2020-07-20 to 2020-07-20

webinar on Functional Verification of complex SoC designs using UVM

Dept of ECE, PSGiTech, 2020-07-20 to 2020-07-20

One year certificate course on Cyber Security and Data Science

PSG CARE, 2021-01-01 to 2021-12-31

SEMINAR   Total : (1)

webinar on Machine Learning using R

University College of Engg , BIT Campus, 2020-07-06 to 2020-07-06

ORIENTATION PROGRAMME   Total : (1)

Orientation program

PSG CARE, 2017-06-21 to 2017-06-23

Awards & Honours

Total : 11

APPRECIATION FOR COORDINATING DIAGNOSTIC TEST 2023

STUDENT INDUCTION PROGRAMME 2023, INTRA-COLLEGE, PSG ITECH, PSG iTech, **2023-09-01**

APPRECIATION FOR MENTORING PROFESSIONAL READINESS

NAAN MUDHALVAN, STATE, PSG ITECH, IBM, **2023-06-28**

APPRECIATION FOR COORDINATING DIAGNOSTIC TEST 2022

STUDENT INDUCTION PROGRAMME 2022 -23, INTRA-COLLEGE, PSG ITECH, PSGi Tech, **2022-08-31**

APPRECIATION FOR COORDINATING PROFICIENCY MODULE TEST 2021

STUDENT INDUCTION PROGRAMME 2021, INTER-COLLEGE, PSG ITECH, PSG iTech, **2021-10-27**

APPRECIATION FOR COORDINATING PROFICIENCY MODULE TEST AND FEEDBACK SESSION 2021

PSG ITECH, INTER-COLLEGE, PSG ITECH, PSG iTech, **2020-11-24**

APPRECIATION FOR BOOK PUBLICATION

PASCO LAB INAGURATION, INTRA-COLLEGE, PSG ITECH, PSG iTech, **2020-01-14**

BEST TUTOR

FACULTY AWARD - 2019, DEPARTMENT, PSG ITECH, PSG iTech, **2019-08-14**

BEST FINAL YEAR PROJECT AWARD 2018-19

ALUMNI INDUCTION PROGRAMME 2015-19, INTRA-COLLEGE, PSG ITECH, PSG iTech Alumni Association, **2019-04-04**

AWS CERTIFIED CLOUD PRACTITIONER

AWS, NATIONAL, AWS, AWS, **2018-05-05**

APPRECIATION FOR SETTING UP PRIVATE CLOUD

DAKSHA 2018, INTRA-COLLEGE, PSG ITECH, PSG iTech, **2018-03-28**

APPRECIATION FOR NEW INDIA STUDENT CHAMPIONSHIP 2018

NEW INDIA STUDENT CHAMPIONSHIP 2018, STATE, PSG ITECH, ICT Academy Salesforce, **2018-02-03**