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Google Scholar Link: <https://scholar.google.com/citations?>

Service

20+ Years of Teaching and Research Experience in Computer Science and Applications and Administration in Higher Education Institution both Autonomous and Non – Autonomous Institution

Objective

An enthusiastic, adaptive, administrative and fast-learning with cognitive level person with a broad mind and acute interest in developing innovative solutions for emerging problems by applying new skills and facing new challenges.

Educational Qualifications

- **Doctor of Philosophy in Computer Science (PhD – Regular (Part Time)** from Mother Teresa University, Kodaikanal in the year of 2014
- **Master of Philosophy in Computer Science (M.Phil.)** from Manonmaniam Sundaranar University, Tirunelveli in the year of 2003
- **Master of Computer Applications (MCA)** from Madras University in the year 1999.

Areas of Academic Interest

- **MANET, OOPS, DBMS, Data Analytics**

Doctor of Philosophy Thesis

Title : **AN ENHANCED TOPOLOGY CONSTRUCTION FOR WIRELESS MESH NETWORKS WITH REDUCED COST, ENERGY OPTIMIZATION AND INTERFERENCE**

Supervisor : Dr. P. Sivaprakasam, Associate Professor, Department of Computer Science, Sree Vasavi College, Erode, Tamil Nadu, India.

Master of Philosophy Thesis

Title : **Comparison of Image compression Techniques**
Supervisor : Dr.(late) Stanely Christopher, Assistant Professor, Department of Computer Science, NGM College of Arts and Science, Pollachi, - 642 001, Coimbatore, Tamil Nadu, India
Description : Three Different Lossless image compression techniques were compared based on accuracy, distortion, noise and other parameters.

Experience (Academic)

- (i) **Assistant Professor (June 2000 to Dec 2004)**
- (ii) **HOD - PG Computer Science (Dec 2004 to June 2012, June 2016 – June 2019)**
- (iii) **Associate Professor – MCA (June 2012- June 2016)**

The above designations were in
Department of Computer Science and Applications,
Sree Saraswathi Thyagaraja College,
Pollachi – 642 107, Tamil Nadu, INDIA.

Responsibilities:

Teaching and assisting in the delivery of academic education courses for UG & PG ,

The courses include:

- Data Structures and Algorithms
- Database Management System
- Computer Networks
- System Software
- Design and Analysis of algorithms
- Data communications and Networking
- Information Security
- Data mining and Warehouse
- System Analysis and Design
- Advanced Software Engineering
- Software Testing
- Software Quality Assurance
- Software Project Management
- Relational Database Management System (RDBMS)
- Enterprise Resource Planning
- Multimedia and Animation techniques
- Web designing
- Web services
- Computer Graphics
- Advanced Operating systems
- Advanced Internet Technologies
- Management Information Systems
- Big Data analytics
- Cloud Computing
- Distributed Computing
- Service Oriented Architecture
- Advanced Microprocessor and Micro controllers
- Java programming
- Visual Programming

- Open Source Technologies
- Data analytics
- Health Care Information Systems

In addition, I'm involved in several administrative, academic, and cultural activities in the College/University, include:

- Since 2002 the Bharathiar University, Coimbatore, Tamil Nadu, India nominated as an **External Examiner** for both theory and practical examinations.
- Since 2010 acted as a **Chairman in PGCS Board of studies, Member of Board of Studies (BoS) and MCA Advisory Committee** to Master of Computer Applications (MCA) course at Sree Saraswathi Thyagaraja College, Pollachi, Coimbatore, India
- Since 2019 acted as a **Subject Expert** in Board of Studies (**BoS**) to M.Sc. (Computer Science) course at **Palani Andavar College for Women, Palani.**
- Served as a subject Expert in Question Paper Scruinty Board at PSG Arts and Science College.
- **Presented Guest lectures in institutions like Vidyasagar CAS, Udt, Palani Andavar CAS for Women, Palani, KGCAS Cbe and VLB CAS , Karpagam CAS .**
- **Guided 20 Research Scholars leading to the degree of M.Phil.**
- **Guided 08 Research Scholars leading to the degree of Phil**
- Guiding M.C.A. & M.Sc students for their final semester projects
- Organizing National level Seminars / Workshops in recent trends
- Preparation of student's laboratory manuals for various courses such as Advanced Data Structures, Linux Programming, Core & Advanced Java Programming and Web Server-Side Programming Languages, etc.,
- From 2013- 2018 Member in various admistrative bodies like Governing body, College committee and etc.,
- Since 2002, member in '**Anti – ragging committee**', '**Graduation Day**', '**Freshers Day**', '**Discipline Committee**', '**Annual Day**', and '**Parents Meeting**' and other important events

Experience (Administration)

(i) Coordinator – IQAC during June 2013 to December 2018

Responsibilities

- Achieved '**A**' grade in NAAC reaccreditation **Cycle – 3** on **November 2018** under NAAC revised guidelines
- Since 2017, worked for NAAC reaccreditation process. Involved document preparations of 7 Criteria, preparing Self-Study Report (SSR), uploading documents to **NAAC HEI** websites and etc.,
- Preparing '**Annual Quality Assurance Report (AQAR)**' and submitting to NAAC every year
- Conducting IQAC review meetings periodically
- Implementing NAAC guidelines to Academic and Administrative processes
- Conducting '**Curriculum Audit**' every year.
- Conducting '**Academic Administrative Audit**' every year
- Review on teaching – learning process, structures and methodologies of operations
- Monitoring '**Tutor – Ward**' System
- Monthly review on Department Activities
- Conducting '**Institutional Review**' Process every year
- Conducting both Internal and External **ISO audit** every year
- Conducting '**Student Satisfaction Survey**' every year

- Conducting '**Green Audit**' every year
- Conducting '**Energy Audit**' every year
- Conducting '**IQAC Annual Meeting**' every year
- Organizing IQAC workshops/seminar/conferences
- Explore various '**Best Practices**' in the institution as well as department
- Releasing IQAC newsletter every year
- Implementing the mechanism for Catering to Student Diversity
- Implementing department wise '**Academic Plan**' based on academic calendar every year
- Preparing the recruitment policy based on UGC/AICTE and submitted to Management
- Implementing '**STC – IQAC**' web portal
- Giving the guidelines to extension activities and outreach programmes in terms of community issues, gender sensitivities.
- Review the functions of students '**Capability Enhancement Schemes**' every year
- Guidelines to organizing gender equity programmes
- Constituted '**IQAC Data Centre**' for the purpose of accreditation process
- Guidelines to implement Innovative Evaluation Process to gauge the knowledge and skills acquired at various levels of the programmes
- Guidelines to organize the activities related to locational advantages and disadvantages
- Initiating to Collaboration Activities through MoUs
- Implementing 'Career Advancement Schemes' for the promotional activities
- Conducting '**College Committee**' meetings regularly
- Preparing the reports and minutes of 'College Committee' and submitting to Bharathiar University
- Participated/Member in meetings of '**Academic Council**', '**Governing Body**', '**College Committee**' and '**Academic Board**' of Sree Saraswathi Thyagaraja College, Pollachi

(ii) **Member UGC – Extension of Autonomy Process**

Responsibilities:

- Implementing UGC revised autonomous guidelines both academic and administrative process
- Preparing Annual Report regarding performance of the Institution and submitting to the UGC every year
- Constituted '**Curriculum Development Cell (CDC)**' for design and development of curriculum design and development
- Collecting program evaluation feedback by student/alumni
- Collecting Institutional Evaluation feedback by student and alumni
- Collecting teacher feedback on curriculum
- Preparing '**Feedback Analysis Report**' and uploading into institutional websites
- Preparing '**Action Taken Report**' and uploading into institutional website
- Implementing '**Choice Based Credit System (CBCS)**' as UGC per UGC guidelines
- Implementing '**Academic Flexibility**' in the curriculum
- Constituting the composition and functions of **UGC Statutory Committees**
 - Governing Body
 - Academic Council
 - Finance Committee
 - Board of Studies

- Conducting Governing Body Meeting, preparing reports, minutes and uploading to website
- Conducting Academic Council Meeting, preparing reports, minutes and uploading to website
- Conducting Board of Studies Meetings, guiding for preparing minutes and reports
- Constituting the composition and functions of **UGC Non - Statutory Committees**
 - Academic Audit Committee
 - Admission Committee
 - Anti – Sexual Harassment Committee
 - Examination Committee
 - Extra – curricular committee
 - Grievance and Redressal Committee
 - Planning and Evaluation Committee
 - Student and Welfare Committee
 - Library Committee
- Conducting UGC – non statutory meetings regularly, recording the minutes and preparing the reports every year
- Organizing '**Curriculum Development Workshop**' every year
- Implementing '**Decentralization and Participative Management**' as per UGC guidelines
- Organizing orientation programme on "**Revised Autonomous Guidelines – 2018**"

(iii) **Member in Outcome Based Education (OBE)**

Responsibilities:

- Guidelines framed to designing the curriculum framework under CBCS and syllabus for Outcome Based Education in all UG and PG programmes
- Guidelines framed to Designing Programme Educational Objectives (PEOs), Programme Outcomes (POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs)
- Guiding to define the '**Graduate Attributes (GA)**' for all UG and PG programmes
- Guidelines giving to PEO – PO and PO – GA mapping with OBE parameters
- Defining different assessment pattern based on Outcome Based Education
- Guidelines giving to identify '**RUBRICS**' for attainment of outcomes
- Guidelines giving to attainment of POs and COs

(iv) **Member in ERP Software – Implementation (e-Governance)**

Responsibilities:

- Preparing the Institutional documents for implementing ERP Software
- Implementing the 'CAMU – ERP' software – OCTOZE Technologies, Chennai
- Conducting ERP – Demonstration to teaching, non – teaching and management members
- Conducting ERP – training to teaching and non – teaching members
- Implementing ERP in the following:
 - Student Admission
 - Staff details
 - Academic Plan
 - Outcome Based Education (Attainment of POs, COs and Rubrics)

- Control of Examination
- Assessment – Question Bank & Online Examination
- Billing & Transportation
- Hostel
- Library
- Preparing the customization reports
- Preparing the notes (teaching contents) of lessons and uploaded into the ERP
- Monitoring the functionality of ERP software

(v) **Assistance in Digital – Learning Monitoring Cell (DLMC)**

Responsibilities:

- Implementing of Digital Initiatives
- E-Governance – Institutional Digital Archival Repository
- Monitoring e-Resources, Techniques and ICT enabled teaching methodologies
- Motivating students to register to National Digital Library (NDL), NPTEL, Coursera, Spoken Tutorials and etc.,
- Monitoring the functionality of ‘**Academic Management System (AMS)**’
- Monitoring the functionality of ‘**Learning Management System (LMS)**’ such as Google Classroom, MOODLE and other e-learning platforms
- Monitoring the website updation (NAAC and Autonomous)
- Monitoring the research scholar enrollment of INFLIBNET/DELNET and other e-resources
- Monitoring the functions of Digital Library
- Conducted workshop on “Cloud Based e-Learning Platform”, “NAD”, “NDL” and etc.,
- Validating the data of **AISHE web-portal** every year

(vi) **Assistance in National Institutional Ranking Framework (NIRF)**

Responsibilities:

- Collecting the documents from the academic and administrative departments for preparation of NIRF report every year
- Online submission of NIRF documents every year
- Report preparation and submitting to academic bodies such as UGC, NAAC and Collegiate Education every year
- Conducting orientation programmes on ‘**NIRF Parameters**’ every year

(vii) **Assistance in preparing India Today Ranking**

- Prepared reports for the India Today Ranking for the computing Science stream

(viii) **Coordinator PGCS Student Association Activities**

Responsibilities:

- Preparing ‘**Annual Plan**’ of student association activity every year
- Coordinating for organizing seminars/guest lectures/workshop and etc.,
- Organizing Inauguration / Valedictory functions
- Preparing department newsletters, magazines and etc.,
- Preparing placement brochures and coordinating with placements
- Organizing Industrial Visits, Internship Training programmes, and soft skill development programmes
- Settlement of accounts Student Association fund every year
- Organizing inter/intra collegiate competitions
- Conducting outreach programmes in and around local community

(ix) **Member in works leading to the works related to the preparation of College with Potential Excellence documents**

Responsibilities:

- Preparing the supporting documents of College with Potential Excellence
- Preparing the Institutional Evaluation Report and submitting to Bharathiar University
- Preparing the presentation for Scrutinizing Committee at Bharathiar University, Coimbatore

Computing Skills:

IDE	:	Visual Basic
Application Server	:	Web Logic, WAMP,
Web Server	:	Apache Tomcat & Apache Http Server
Utilities	:	MS-Office, Libre Office
RDBMS	:	Oracle 9i, MS-SQL Server & MySQL Server (SQL & PL-SQL)
Web Technologies	:	ASP, & PHP
Distributed Technologies	:	RPC, RMI,
Programming Languages	:	C, C++, JAVA, Python & R
Research Area & Tools	:	R Programming, NS2

Skill development Activities: (Vide Annexure – 1)

(i)	Seminar/Workshop/FDP Attended	: 17
(ii)	Presentations in National level/International level conferences	: 49
(iii)	Publications in International Journals	: 56

PROFESSIONAL ACTIVITIES

1. . Based on **Revised NAAC accreditation guidelines** assisted
 - a. VLB Janaki Ammal College of Arts and Science, Coimbatore,
 - b. SNS Rajalakshmi CAS, or NAAC accreditation
 - c. Nehru CAS, Coimbatore
 - d. AJK CAS, Coimbatore.