

**Name** : Dr.K.Kavitha  
**Designation** : Assistant Professor  
**Department** : Computer Applications  
**Qualification** : M.C.A., M. Phil., Ph. D.  
**Experience** : Teaching: 9.7 Years    Research: 6 Years  
**Area of Specialization(s):** Cloud Computing  
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### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Computer Science	Hindusthan College of Arts and Science, Coimbatore	2021
M.Phil.	Computer Science	PRIDE, Periyar University, Salem	2005
M.C.A	Computer Applications	Kongu Engineering College, Perundurai	2004
B.C.A	Computer Applications	Srimathi Indra Gandhi College, Trichy	2001

### Research Publications (Indexed)

Kavitha.K & Saravanan.V, “SURVIVAL STUDY ON DATA STORAGE AND TRANSACTION SECURITY USING AUTHENTICATION TECHNIQUES”, International Journal of Computer Science and Engineering, Vol.06 , Issue.08 , pp.34-39, Oct-2018, ISSN:2229-5631, (Indexed in UGC )

Kavitha.K & Saravanan.V, “ SURVEY ON CLOUD SECURITY MECHANISMS FOR DATA STORAGE AND DATA TRANSACTION”, International Journal of Scientific Research in Computer Science Applications and Management Studies, Volume 7, Issue 5, Sep-2018, Vol.06, pp.24-32 , Oct-2018, ISSN 2319 – 1953, ( Indexed in UGC )

Kavitha.K & Saravanan.V, “SEMANTICALLY SECURED NON-DETERMINISTIC BLUM–GOLDWASSER TIME-BASED ONE-TIME PASSWORD CRYPTOGRAPHY FOR CLOUD

DATA STORAGE SECURITY”, International Journal on Future Revolution in Computer Science & Communication Engineering, Volume 5, Issue: 8, pp. 83 – 93, Aug -2019, ISSN: 2454-4248  
( Indexed in UGC)

Kavitha.K & Saravanan.V, “CERTIFICATELESS BILINEAR QUANTUM MUTUAL EXCLUSIVE SIGNCRYPTION FOR DATA SECURITY IN CLOUD”, International Journal of Innovative Technology and Exploring Engineering, Volume-9 Issue-2, pp.3870–3878, Dec 2019, ISSN: 2278-3075 ( Indexed in UGC)

Kavitha.K & Saravanan.V, “RUZICKA SIMILARITY BASED TWO FACTOR USER AUTHENTICATIONS FOR SECURITY ENHANCEMENT IN CLOUD DATA SERVICES”, Journal of Interdisciplinary Cycle Research (JICR), ISSN: 0022-1945, Volume XII, Issue VI, Pages 1315 - 1329, Jun2020,(Indexed in UGC).

Kavitha.K & Saravanan.V, “EPHEMERAL SCHNORR SIGNCRYPTION FOR SECURE DATA TRANSACTION IN CLOUD”, International Journal of Advanced Trends in Computer Science and Engineering (IJATCSE), E-ISSN: 2278 – 3091, Volume 9, Issue 4, Aug 2020, Pages 6812–6820,Aug 2020,(Indexed in SCOPUS).

#### **Publication of Book Chapters**

Kavitha.K & Saravanan.V, “CLOUD DATA STORAGE SECURITY”, Chapter 7( Pages: 44 – 52) of the book “Modern Computer Science and Applications”, First Edition , ISBN Number: 978-93-93622-07-5, published by Innovation Online Training Academy, July 15<sup>th</sup> 2022.

#### **Presentations in Conference**

SURVIVAL STUDY ON DATA STORAGE AND TRANSACTION SECURITY USING AUTHENTICATION TECHNIQUES, International Conference on Research Trends in Computing Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 9-Aug -18 and 10-Aug-18.

RELATIVE STUDY OF AUTHENTICATION TECHNIQUES ON CLOUD DATA STORAGE AND TRANSACTION SECURITY, National Conference on Emerging Trends in Computer Science and Technology, SNMV College of Arts and Science, Coimbatore, 1-Feb -19.

TWO FACTOR USER AUTHENTICATIONS FOR SECURE CLOUD DATA SERVICES, National Conference on Recent Trends and Advances in the Field of Information Technology, Karpagam Academy of Higher Education, 2-Sep-18

INTERNATIONAL CONFERENCE ON ADVANCES IN SENSORS, ENERGY AND HYBRID VEHICLES, ICT Academy, October 14 – 18, 2020.

COMPUTING STRATEGIES FOR GREEN CLOUD , National Conference On Cybersecurity and Digital Forensics For Society, PSGR Krishnammal College for Women, 19.10.2022 and 20.10.2022.

DYNAMIC LOAD BALANCING FOR LOW ENERGY CONSUMPTION AND HIGH EFFICIENCY IN GREEN CLOUD COMPUTING , National Conference on Advanced computing Sciences , Dr.N.G.P Arts and Science College, 16.03.2023.

### **Participation in Workshop**

HANDS ON TRAINING ON LATEX DOCUMENTATION TOOL, Sri Ramakrishna Engineering College ,Coimbatore, 7-Sep-18 and 8-Sep-18

AWARENESS WORKSHOP – NIRF INDIA RANKINGS – 2021 FOR HIGHER EDUCATIONAL INSTITUTIONS, Institute of Academic Excellence, Hyderabad & Collegiate Education & Technical Education Department, Government of Telungana, January 18 – 19, 2021.

DHR-ICMR SPONSORED ONE DAY NATIONAL LEVEL WORKSHOP ON ADVANCED ARTIFICIAL INTELLIGENCE(AI) METHODS IN BREAST CANCER DIAGNOSIS AND CLINICAL RESEARCH, Department of Computer Science with Cognitive System & Clinical Lab Technology, Dr.N.G.P. Arts and Science College on November 26<sup>th</sup> 2022.

### **Participation in Faculty Development Programme & Webinars**

QUALITY INITIATIVES IN HIGHER EDUCATION, Dr. N.G.P. Arts and Science College, Coimbatore, 3-Dec-18 to 9-Dec-18.

C and CPP, JSPM's Jaywantra Sawant Polytechnic in association with Spoken Tutorial IIT Bombay, Online, 25-Apr – 02 May 2020

QUALITY INITIATIVES IN HIGHER EDUCATION, Dr. N.G.P. Arts and Science College, Coimbatore, Sri Ramakrishna College of Arts and Science, Coimbatore, Gobi Arts & Science College, Gobichettipalayam & Vellalar College for Women, Erode, Online, April 13 - 20, 2020.

EMOTIONAL INTELLIGENCE, KG COLLEGE OF ARTS & SCIENCE, COIMBATORE on 28, 30 April & 2 May 2020.

PHP & MySQL,Center for Virtual Learning,Dr.N.G.P. Arts and Science College, Coimbatore, in association with SPOKEN TUTORIAL, IIT BOMBAY on May 04 - 10, 2020.

ADVANCED CONCEPTS IN IoT,Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, Online, July 17, 2020.

Online FDP on “Research Methodology and Pedagogy for Tertiary Education”,Dr.N.G.P. Arts and Science,15-Jun-21 to 21-Jun-21.

Fundamentals Of RPA ,conducted by ICT Academy on 04 Oct 2021 to 08 Oct 2021.

Five Day IQAC FDP Series 2022 organized by Internal Quality Assurance Cell, Sankara College of Science & Commerce from 24<sup>th</sup> to 29<sup>th</sup> January 2022.

One Week Online International FDP on Next Generation Computing : Key Trends, Challenges and Opportunities organized by the Department of Computer Science & Applications (MCA), SRM Institute of Science & Technology, Ramapuram Campus from 18-04-2022 to 23-04-2022.

International virtual FDP on Research Advancements in Intelligent Computing Technologies, organized by Department of Computer Science and Engineering, Krishna College of Engineering and technology from 19.12.2022 to 23.12.2022.

### **Participation in Webinars**

- International Webinar on 6G TECHNOLOGIES,Hindusthan College Of Arts And Science, Coimbatore, Online, July 16 2020.
- DST-PURSE sponsored Webminar series on ADVANCED COMPUTING , Bharathiar University, Coimbatore on November 02, 2020.

### **Certificate Courses Completed**

- DATABASE MANAGEMENT SYSTEM, NPTEL Online Certification, Feb – Apr 2019.
- INTRODUCTION TO C PROGRAMMING, NPTEL Online Certification, Feb – Apr 2020.

- DIGITAL TEACHING TECHNIQUES, ICT Academy from 10 Aug 2020 to 15 Aug 2020.
- INTRODUCTION TO DATA SCIENCE IN PYTHON, University of Michigan, Coursera certification on September 23 2020.
- AI FOR EVERYONE,DeepLearning.AI ,Coursera certification on June 7 2021.
- MySQL Basics, Great Learning Academy, Certification on September 2022.
- Data Structures in C, Great Learning Academy, Certification on February 2023.