Name : Ms S.S. NACHIYA

Designation : Assistant Professor

Department : Computer Applications

Qualification : M.C.A., M.Phil., UGC-NET.,

Experience : Teaching: 20 Years   Research: 20 Years

Area of Specialization(s): Data Communication Networks

Email (Official ID) : nachiya@sigc.edu

Aadhar Number : 9890 7225 0496

Academic Qualifications

Degree	Branch	Institution/UniversityName	Year of Graduation
UGC-NET.,	Computer Science	NTA	December 2020
M.Phil.,	Computer Science	Bharathidasan University	2005
M.C.A.,	Computer Applications	Shrimati Indira Gandhi College, Trichy	2002
B.Sc.,	Computer Science	Sengamala Thayaar Educatioanal Trust Women's College, Mannargudi	1999

Research Publications (Indexed) No. of research articles published in UGC CARE / SCOPUS / WEB of SCIENCE indexed journals: 1

1. S.S.Nachiya, M.Gomathy, "Optimization Algorithm based Routing Protocol for Mobile Ad Hoc Networks" Alochana Chakra Journal, ISSN NO:2231-3990,Volume IX, Issue IV, April 2020 Indexing: UGC Care Group.

Presentations in Conference

1.Presented International Conference on the topic **"Fusion of Drone & Statilite Data Using ML For Precision Farming Insights"** by Department of Computer Applications, Shrimati Indira Gandhi College,Tiruchirappallli on 24.01.2025.

2. Presented a paper entitled "A Detailed Remote Sensing Based Agriculture Drought Condition Indicator Utilizing Machine Learning"an International Conference on "**TRENDS IN AI**" Conducted by Shrimati Indira Gandhi College,Trichy on 20th September 2024.

3. Presented a paper entitled "Secured image shield utility for data storage in cloud model"an International Conference on "RECENT TRENDS IN CYBER SECURITY" Conducted by Shrimati Indira Gandhi College,Trichy on 15th December 2021.

Participation in Conference

International:

1.Attended an International Conference on "**RECENT TRENDS IN CYBER SECURITY**" Conducted by Shrimati Indira Gandhi College,Trichy on 15th December 2021.

2. Attended an International Conference on "**Cloud Computing-Emerging Trends and Technologies**" Conducted by Shrimati Indira Gandhi College,Trichy on 10 and 11th March 2023.

3..Participated the International conference on "Next Generation Technologies for Sustainable Computing(ICNGT)" on 24.01.25 at Shrimati Indira Gandhi College by Department of Computer Applications.

National:

1.Participated in Regional level Conference on "**I3 – Industries institutions Interactions"** 6th and 7th January 2005

2.Participated in the National Conference on "**BIOINFORMATIC TOOLS FOR GENE AND PROTEIN ANALYSIS**" at Shrimati Indira Gandhi College, Tiruchirappalli-2 during 7th & 8th September 2007.

3.Participated in the Regional Conference on "**INFORMATION COMMUNICATION TECHNOLOGY - TRENDS**" organized by Shrimati Indira Gandhi College, Trichy on 21th November 2009.

4.Participated in the National Conference on "**SOFTWARE AND COMPUTING TECHNOLOGIES**" jointly organized by BUTP, SIGC, Trichy and Computer Society of India, Trichy Chapter, CSI-WOMEN Students Branch of SIGC on 19th September 2012.

5.Attended in National Symposium on "**Cloud Computing"** organized by Bharathidasan University in association with Shrimati Indira Gandhi College and CSI Trichy chapter during 26th & 27th Sep. 2012

6.Participated in the National Conference on "**RECENT TRENDS IN ENGINEERING AND TECHNOLOGY**" organized by Sri Raja Rajan College of Engineering and Technology", Karaikudi on 4th February 2013.

Participation In Seminars

1. State Level Seminar on "COMPUTER ORIENTED MATHEMATICAL TECHNIQUES 2007 (SLSCOMT-2007)" at Shrimati Indira Gandhi College, Tiruchirappalli-2 during 10th & 11th August 2007.

2. Participated in the National level Seminar on "**HIGH PERFORMANCE COMPUTING**" organized by Shrimati Indira Gandhi College, Trichy on 23rd February 2012.

3. Attended a Webinar on BIG DATA, "BIGOPPORTUNITIES" Conducted By Cauvery College For women Trichy, on 11th June 2020.

4. Attended a Webinar On "Block Chain & its uses" Conducted By Bishop Heber College Trichy on 18th June 2020

5.Attended a Webinar on "**DEVELOPING JSF WEB APPLICATIONS WITH HIBERNATE-A HANDS ON APPROACH**" conducted by Bishop Heber College Trichy on 6th June 2020.

6. Attended a Webinar on "**ONLINE CONTENT CREATION TOOLS**" conducted by Bishop Heber College, Trichy on 11th June 2020.

7.NATIONAL LEVEL WEBINAR On "REINFORCEMENT LEARNING" By SIR THEAGARAYA COLLEGE (SHIFT- II), CHENNAI On 04.09.2021

8.NATIONAL LEVEL WEBINAR On "IoT COMMUNICATION PROTOCOLS" By Nehru Institute of Engineering and Technology, Coimbatore. On 15.09.2021.

9. Attended a Webinar on "**ONLINE EXAMINATION TOOLS**" conducted by Bishop Heber College, Trichy on 20.06.2020.

10. Attended a Webinar on "**INTRODUCTION TO ELEARNING CONTENT CREATION**" conducted by IEEE COMPUTER SOCIETY, MADRAS on 22.06.2020.

11. Attended an International Webinar on "**VIRTUAL WINGS IN NEW INDIA**"Conducted by Srimad Andavan Arts and Science College,Trichy from 23rd to 24th December 2020.

12. Attended a Webinar on **"Reinforcement Learning"** Conducted by Department of Computer Science & Computer Applications of Sir Theagaraya College(Shift -II) on 04.09.2021.

13. Attended a National Level Webinar on **"IoT Communication Protocols"** organised by Department of ECE, Nehru Institute of Engineering and Technology, Coimbatore on 15.09.2021.

14. Attended the NAAC Sponsored One - day Online Seminar on **"Qualitative & Quantitative Metrics in RAAF of NAAC"** Conducted by Rajalakshmi Engineering College (Autonomous) ,Thandalam, Chennai on 17-09-2021.

15. Attended a Webinar on **"Data Analytics: Post COVID - 19"** Conducted by Department of Computer Science & Computer Applications of Sir Theagaraya College(Shift -II) on 19.10.2021.

16. Participated in the Lecture Series on **"Teacher as Facilitator"** organized by The Internal Quality Assurance Cell, Dr.M.G.R.Educational and Research Institute on 25/06/2024.

17. Lecture Series on **"Navigating the art of Teaching"** organized by The Internal Quality Assurance Cell, Dr.M.G.R.Educational and Research Institute on 26/06/2024.

Participation in Workshop

1.Participated in the National Level Workshop on "**RECENT TRENDS IN HUMAN COMPUTER INTERACTION**" organized by Computer Society of India, Trichy Chapter in association with CSI student Branch of MAM College, CSI student Branch of JMC , CSI student Branch of SIGC and Dept. of CS\IT\MCA of Saranathan college of Engineering", Tiruchirappalli on 28th February 2015.

2.Attended a Workshop on "COMPUTER NETWORKS" organized by Arasu Engineering College, Kumbakonam from 06.07.2020 to 11.07.2020.

3. Attended a Workshop on "INFUSING CLOUD COMPUTING SERVICES AND ARTIFICIAL INTELLIGENCE IN MICROSOFT AZURE" organized by Bishop Heber College, Trichy on 23.07.2020.

4. Participated in the National Level Workshop on "RECENT TRENDS IN HUMAN COMPUTER INTERACTION" organized by Computer Society of India,Trichy Chapter in association with CSI student Branch of MAM College, CSI student Branch of JMC , CSI student Branch of SIGC and Dept. of CS\IT\MCA of Saranathan college of Engineering", Tiruchirappalli on 28th February 2023.

5.Participated in a Workshop on "Boot Camp on Python Programming" using Python at CADD Centre Training Services Private Limited on 28.08.2023.

Participation in Orientation Programme/Short Term Courses

1.Participated in the Orientation Programme in Computer Science conducted by UGC – Academic Staff College, Bharathidasan University, Tiruchirappalli on May 4th to June 5th 2012.

2. Participated in IP Awareness/Training program under NATIONAL INTELLECTUAL PROPERTY AWARNESS MISSION on April 23,2024.

3.Completed the course " **Step into RPA**" conducted by UIPath, Academic Alliance on 23/12/2021.

4. Participated in the NEP 2020 orientation and Sensitization programme under Malaviya Mission Teacher Training programme(MM-TTC) of University Grants Commission(UGC),organized by UGC-Malaviya Mission Teacher Training Centre (UGC-MMTTC),Bharathidasan University,Tiruchirappalli,Tamil Nadu from 05.2.2024 to 14.2.2024.

5.Completed the course AI-first software Engineering on 20.1.2024 at Infosys Springboard.

6. Completed the course "AI-first software Engineering "on 20.12.2024 at Infosys Springboard.

7. Completed certification "Applied Generative AI"- on 24.12.2024 at Infosys Springboard.

8.Completed the course "Introduction to AI" on 19.11.2024 at Infosys Springboard.

9.Completed the course "Introduction to Robotics Process Automation" on 19.11.2024 at Infosys Springboard.

10.Completed the course "Prelude" on 18.11.2024 at Infosys Springboard.

11.Completed the course "Python for Data Science" on 06.02.2025 at Infosys Springboard.

12.Completed the course "Principles of Generative AI" on 19.11.2024 at Infosys Springboard.

13. Completed the course "OpenAI Generative Pre-trained Transformer 3 (GPT-3) for developers" on 20.11.2024 at Infosys Springboard.

14. Completed the course "Introduction to OpenAI GPT Models " on 19.11.2024 at Infosys Springboard.

15. Completed the course "Prompt Engineering" on 20.11.2024 at Infosys Springboard.

16. Completed certification "Applied Generative AI"- on 24.12.2024 at Infosys Springboard.

17. Completed the course "Generative models for developers" " on 22.11.2024 at Infosys Springboard.

18. Participated & completed AICTE Training And Learning (ATAL) Academy FDP on "Women in Cybersecurity and Disaster Management- A Strategy Framework for Sustainable Safety" from 20/01/2025 to 25/01/2025.

19. Attended in the Celebration of "Science Festival (Vigyan Utsav)" as a part of Celebration of 75th Year of Independence (Azadi ka Amrit Mahatsav) under the theme of "Science Communication & Popularisation" organized by Tamilnadu State Council for Science and Technology, Chennai on 07.02.2022.

Participation in Faculty Development Programme

1. Attended a Faculty Development Programme on "**INTERNET OF THINGS**" (**IoT**)organized by ICT Academy Of Tamilnadu in K.Ramakrishna College of Engineering , Trichy from 21st and 22nd December 2017.

2.Attended a Faculty Development Programme on "THE FUTURE IS HERE NOW" Organized by ICT Academy -Season 3 Skycampus on 27th April to 1st May 2020.

3.Attended a Faculty Development Programme on "THE FUTURE OF EDUCATION, EMPLOYMENT & ENTREPRENEURSHIP" Organized by ICT Academy -Season 4 Skycampus on 4th May to 8th May 2020.

4.Attended a Faculty Development Programme on "THE FUTURE OF SKILLS- EDUCATION, EMPLOYMENT & ENTREPRENEURSHIP" Organized by ICT Academy -Season 5 Skycampus on 11th May to 15th May 2020.

5.Attended a Faculty Development Programme on "FUTURE TECH 2020" Organized by ICT Academy -Season 6Skycampus on 18th May to 22nd May 2020.

6.Attended a Faculty Development Programme on "IMPROVING THE SKILL SET &CHANGING THE ATTITUDE" Organized by ICT Academy - Skycampusonline Supersession on 5th June 2020.

7. Attended a Faculty Development Programme on "FUTURE OF EDUCATION" Organized by ICT Academy -Skycampus online Supersession on 18th June 2020.

8.Attended a Faculty Development Programme on "INSIGHTFUL FRIDAYS OF SKYCAMPUS DIGITAL KNOWLEDGE WEBINAR SERIES" Organized by ICT Academy - Skycampus online Supersession on 26th June 2020.

9. Attended a Faculty Development Programme on " DATA SCIENCE AND BIG DATA ANALYTICS " organized by PPG College of Arts and Science College,Coimbatore from August 25th to 31st 2021.

10.Attended a Faculty Enrichment Programme on "INTRODUCTION TO CLOUD COMPUTING" Organized by Shrimati Indira Gandhi College on 26th Feb 2022.

11. Participated in 18 hours FDP on "Microsoft Azure AI Fundamentals conducted by ICT Academy on 28th Feb to 07 Mar 2022.

12. Faculty Development Programme on "TABLEAU" in virtual mode from 14th June to 24th June 2022.

13. Attended a Faculty Development Program on Exploratory Data Analytics and Data Science in association with CSI,Trichy Chapter at Saranathan College of Engineering,Trichy on 20th January 2023.

14. Attended two days Faculty Development Programme on "Naan Mudhalvan – MicroSoft Fundamentals Digital Skills" in BUTP, Trichy from 09.02.2023 to 10.02.2023.

15.Attended a Workshop on "INFUSING CLOUD COMPUTING SERVICES AND ARTIFICIAL INTELLIGENCE IN MICROSOFT AZURE" organized by Bishop Heber College, Trichy on 23.07.2020.

16.Participated in a Workshop on "Boot Camp on Python Programming" using Python at CADD Centre Training Services Private Limited on 28.08.2023.

16.Participated & completed AICTE Training And Learning (ATAL) Academy FDP on "Women in Cybersecurity and Disaster Management- A Strategy Framework for Sustainable Safety" from 20/01/2025 to 25/01/2025.

17. Participated in 2 days faculty development programme on "Evaluation strategies and classroom management skills" on 5th and 6th February 2024 organized by the IQAC . Michael Job memorial college of Education for women, Coimbatore.

18. Participated in 5 days virtual faculty Development programme on "Research – the journey from Inception to Publishing" by IQAC in association with PG & Research Department of Computer Science from 5th to 9th February at Dhanraj Baid Jain College,Chennai-600097.

19 Participated five days FDP on "Exploring Frontiers in ML & DL" at Theivanai Ammal College for Women(A),Villupuram 17.02.2025 to 22.02.2025.

20. Participated five days FDP on "Emerging Trends and Technologies using various Networking Technologies" at St.Joseph's College(A&S),Kovur,Chennai 17.02.2025 to 21.02.2025.

21.Attended a Faculty Development Programme on "**FUTURE OF EDUCATION**" organized by ICT Academy - Skycampus online Supersession on 18th June 2020.

22.Attended a Faculty Development Programme on "**INSIGHTFUL FRIDAYS OF SKYCAMPUS DIGITAL KNOWLEDGE WEBINAR SERIES**" organized by ICT Academy - Skycampus online Supersession on 26th June 2020.

23.Attended Six Days National Level Virtual Faculty Development Programme on "**ALIGNING WITH THE NEW EDUCATIONAL ERA**" Organized By Primax Foundation, St.Claret College, St.Francis College of Bengaluru with Shrimati Indira Gandhi College,Trichy from 21st February 2022 to 26th February 2022.

24.Participated in the five days Faculty Development Programme on "**Influence of AI in Teaching & Research**" held from 04.09.2023 to 09.09.2023 organized by Department of Commerce with Computer Applications, Hindusthan College of Arts & Science, Coimbatore-28.

25.Participated in the Five Days Virtual Faculty Development Programme on **"Redefining Research Skills- Enriching Research and Publications"** held on 01.04.24 to 05.04.2024, organized by Research and Development Cell, Shrimati Indira Gandhi College , Tiruchirappalli.

Conference/Seminar/Workshop Organized

International conference on "Next Generation Technologies for Sustainable Computing(ICNGT)" on 24.01.25 at Shrimati Indira Gandhi College

Editorial/Review Board Member

Member of Editorial Board for an edited book"An advance multidisciplinary approach to management,education,technology and science"(ISBN:978-3-95060-20-2) on 31st July 2024.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
BDU EXAMINER -UG BOARD VALUATION TRICHY	Examiner	-