



# SHRIMATI INDIRA GANDHI COLLEGE

(Affiliated to Bharathidasan University)

Nationally Accredited at 'A' Grade (4<sup>th</sup> Cycle) by NAAC | An ISO 9001 : 2015 Certified Institution  
Tiruchirappalli - 620 002

**Name** : Ms V.Vetriselvi  
**Designation** : Assistant Professor  
**Department** : PG & Research Department of Computer Science  
**Qualification** : M.Sc.,M.Phil.,SET  
**Experience** : Teaching:34 Research: 18  
**Area of Specialization(s)** : Computer Graphics, Computer Networks  
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**Aadhaar Number** : 4618 5861 6379

## Academic Qualifications

| Degree   | Branch           | Institution / University Name   | Year of Graduation |
|----------|------------------|---|--------------------|
| SET      | Computer Science | Government of Tamilnadu/Mother Theresa Womens' University                 | 2016               |
| M.Phil., | Computer Science | Mother Theresa Womens' University,Kodaikanal                              | 2004               |
| M.Sc.,   | Computer Science | Seethalakshmi Ramasamy College(Autonomous)Trichy-Bharathidasan University | 1990               |
| B.Sc.,   | Computer Science | Nehru Memorial college,Puthanampatti, Bharathidasan University            | 1987               |

## Research Guidance

| Programme | No. of Scholars |          |
|-----------|-----------------|----------|
|           | Completed       | Pursuing |
| M.Phil    | 65              |          |

## Research Publications (Indexed)

### *International*

1. **“Data-Hiding using in Cryptography and Steganography”** in Neuro Quantology / June 2022/Volume 20 Issue 6/Page 8401-8406.
2. **“Credentials over invaders and avert the data by the usage of blockchain transactions with the cryptography techniques”** in in Neuro Quantology / June 2022/Volume 20 Issue 6/Page 8407-8415.
3. **“Self-Organizing map based query reorganization for efficient Information filtering “** in IJARTET International journal of advanced trends in engineering and technology, VOLUME 5 SPECIAL ISSUE 5, April- 18.
4. **“A novel routing-protocol for wireless sensor network an energy aware heterogeneous ring clustering (EA-HRC)method”** in IJARTET International journal of advanced trends in engineering and technology, VOLUME 5 SPECIAL ISSUE 12, ISSN-2394-3777,ISSN 2304-3785, April-18.
5. **“A framework for discovering the GPS Trajectory Patterns Using Future Selection And Apriori Method”** in International Journal Of Advanced Research Trends In Engineering And Technology, VOLUME 5 SPECIAL ISSUE 12, ISSN-2394-3777,ISSN 2304-3785, Apr-18.
6. **“Hop-To-Hop secure data transmission using cryptography and audio steganography algorithm in IJARCCE”** in UARCCE-International journal of advanced research in computer and communication engineering ISO 3297:2007 certified impact- factor 5.947,VOLUME 6 ISSUE 6, DOI 10.17148/IJARCCE.2017.6693, June-17.
7. **“Mobile app recommendation and ranking fraud detection on relationship among rating review and ranking”** in International journal of computer science ( IJCS), Volume 4 ISSUE 2, p.no 772-777, Nov – 2016.
8. **“Adaptive privacy policy prediction of user uploaded images on content sharing sites”** in International journal of computer science ( IJCS), VOLUME 4 ISSUE 2, IJCS- ID-IJCS-127 P.NO 749-754, Nov – 2016.
9. **“Privacy policy inference of user-uploaded images on content sharing sites”** in International journal of computer science engineering and technology, VOLUME 2 ISSUES 12, Pages 593-597 ISSN (Online):2349-784X, June-16.
10. **“Discovery of ranking fraud for mobile apps”** in International journal of computer science engineering and technology, VOLUME 2 ISSUE 12, ISSN (Online):2349-784X, June-16.
11. **“Load balanced data gathering by clustering in wireless sensor network”** in International journal of computer science engineering and technology VOLUME 6 ISSUE 6, pages 203-207,

July-05.

## Book Publications

1. Visual Basic 6.0 Published by First Edition: September 2008, ISBN :978-81-907888-3-0.
2. Principles of Information Technology Published by First Edition: September 2008 ISBN:978-81-907888-4-7 .

## PATENT TITLE OF INVENTION

1. An Advanced System to Authenticate the Person Based of Finger Vein Matching  
Technique to Facilitate Safer Financial Transactions Field of Invention: Computer Science  
Publication Date: 24/06.2022.

➤ **IOT ENABLED CHEMICAL MIXING DEVICE FOR AGRICULTURE FARM**

Field of Invention : Computer Science

Design No: 398669-001

Publication Date : 28/10/2023

Wearable Nanotechnology-Enabled Biosensor for Real-Time Health Monitoring and Analysis

FIELD OF INVENTION    BIO-MEDICAL ENGINEERING

## Presentations in Conference

1. Presented Paper on the title “**Next Generation Networking with Artificial Intelligence: Optimizing Energy Efficiency in Internet of Things Networks using Hybrid Leach Protocol**” in One day International Conference on Trends in Artificial Intelligence held on 20.9.24 at Shrimati Indira Gandhi College, Trichy-2.
2. Presented a paper on Computerization of Attendance using Near Field Communication Technology in the International Conference on “Digital India-The unfolding opportunities and Challenges” held in March 2/3/2017, Vivekanandha Institute of Information and Management Studies,Elayampalayam,Tiruchengode and Mother Teresa Women’s Un iversity,Kodaikanal.
3. Presented a paper in One Day International Conference on “RECENT TRENDS IN CYBER SECURITY” ON 15 th December 2021 conducted by Shrimati Indira Gandhi College, Trichy-2.

## Participation in Conference

### *International*

1. Participated in One Day International Conference on “RECENT TRENDS IN CYBER SECURITY” ON 15 th December 2021 conducted by Shrimati Indira Gandhi College, Trichy-2.

## Participation in Seminars

1. Participated in Science Festival (Vigyan Utsav) under the theme of “ Science Communication & Popularisation” on 7<sup>th</sup> February 2022 Organized by Tamil Nadu State Council for Science and Technology, Chennai.
2. Participated in Science Festival (Vigyan Utsav) under the theme of “ Women in S&T for Women” conducted on 10<sup>th</sup> March 2022 organized by Tamil Nadu State Council for Science and Technology, Chennai.
3. Cyber security and Ethical Hacking on 1.3.2018, conducted by **School of computer Science and Engineering Bharathidasan University Trichirappalli-23**
4. Digital connectivity-Social Impact on 23.01.2017 to 25.01.2017 conducted by **Computer-CSI 2016 Society of India**
5. National seminar on Cloud Computing on 26.09.2012 conducted by **Shrimati Indira Gandhi college, Trichy**
6. National Seminar On Animation Based Gaming , Entertainment Computing And Education on 13.03.2009 & 14.03.2009 conducted by **BUTP ,Trichy**
7. Regional seminar on Direction And Strategies For Quality Management In Accredited Institutions: Changing Needs And Educational Concerns on 23.02.2006 & 24.02.2006 conducted by **Seethalakshmi Ramasamy college, Trichy**
8. Regional seminar cum-workshop on Accreditation Higher education institutions on 13.02.2002 & 1.02.2002 conducted by **SASTRA Deemed University, Tanjore**

## Participation in Workshop

1. Participated in the one day International Workshop on “ Data Handling and Visualization Using PYTHON” on 25<sup>th</sup> August 2022 Conducted by Nehru Memorial College(Autonomous) Puthanampatti.
2. Participated in the Faculty Enrichment Program on “ INTRODUCTION TO CLOUD COMPUTING “ IN Virtual mode on 26<sup>th</sup> February 2022, conducted by Shrimati Indira Gandhi College, Trichy-2.
3. Participated in 6 Hours of Faculty development Program on MICROSOFT AZURE AI FUNDAMENTALS Conducted by ICT Academy On 14<sup>th</sup> March 2022 to 16<sup>th</sup> March 2022.
4. Participated in Celebration of Science Festival(Vigyan Utsav) under the theme of “ Atmanirbharata & Industry “ on 29 July 2022 by Tamil Nadu State Council for Science and Technology, Chennai.

5. Participated in the Faculty Development Programme on “TABLEAU” on 14<sup>th</sup> June to 24<sup>th</sup> June 2022.
6. Participated in IP Awareness / Training Program Under NATIONAL INTELLECTUAL PROPERTY AWARENESS MISSION on April 26,2023.
7. Participated in workshop ,Research Methodology & Data Analysis using StatisticalPackage for Social Science & Analysis of moments structure(AMOS) on 30.01.2020 & 31.01.2020 conducted by, Primax foundation Bangalore in association with Bishop Heber College Trichy.
8. Data Mining tools for Research on 23.01.2019 & 24.01.2019 ,conducted by **Jamal Mohamed college,Trichy-20.**
9. Participated in oneday Seminar on”Cyber Security and Ethical Hacking “ Organized by Department of Computer Science & Engineering,Bharathidasan University on 1/3/2018.
10. 51<sup>st</sup> Annual Convention- CSI “ Digital Connectivity-Social Impact” at Hotel Le Meridian, Coimbatore from 24/01/2017 & 25/1/2017.
11. Participated in Andriod Development Application Workshop on 26/3/2016 Conducted by as a part of ABACUS’16 at Dhanalakshmi Srinivasan Institution of Technology,Samayapuram,Trichy.
12. Two-day International Workshop TATA Talent Hunt-Image processing Reasearch with MatLab on 31.07.2015 & 01.08.2015 conducted by **CSI,Trichy Changers.**
13. National Level Workshop on Recent trends in human-Computer Interaction on 28.2.2015 conducted by **CSI Women Student branch of SIGC.**
14. One Day Workshop On Software Development Trend In Technologies And Methodologies on 19.03.2007 conducted by **BUTP ,Trichy & CSI Trichy Chapter.**
15. Participated Workshop on Industries Institutions Interaction on 6/1/2005 & 7/1/2005.By CSI Trichy Chapter CSI Women Students Branch of SIGC,Trichy, Trichirapalli IT, Industries Association & BHEL Small Scale Industries Association.

### **Participation in Orientation Programme / Short Term Courses**

1. Three week UGC sponsored refresher Course in Computer Science from 2/3/1999 to 31/3/1999  
Bharathidasan University,Thiruchirappalli-24.
2. UGC sponsored Refresher course in Computer Science by Academic Staff College,  
Bharathidasan University Trichy from 25/11/2000 to 15/12/2000.

## Participation in Faculty Development Programme

1. Participated in Faculty Development Programme on “Redefining Research Skills : Enriching Research and Publication” from 1/4/2024 to 5/4/2024.
2. Participated in the Seven Days Faculty Development Programme on “Understanding Outcome Based Education” from 10/6/2024 to 15/6/2024 & 18/6/2024.
3. Participated in Malaviya Mission Teacher Training Programme(MM-TTP) of UGC NEP 2020 Orientation & Sensitization Programme Organized by Bharathidasan University ,Tiruchirappalli ,from 19/2/2024 to 28/2/2024.
4. Participated in Five day International Virtual Faculty Development Programme On “Convergence of Software Systems, Artificial Intelligence and Data Analytics” from 25/11/2024 to 29/11/2025.

## Member in BoS

1. UG Computer Science Board of Studies MEMBER FROM 2005 TO 2008, Bharathidasan University, Tiruchirappalli-24.
2. UG Computer Science Board of Studies member From 2008 to 2011, Kunthavai Nachiyar Govt. College for Women(Autonomous), Tanjore.
3. Bharathidasan University Representative to the Board of Studies in Computer Science, Government Arts College For Women(Autonomous) Pudukkottai From 2013-2016.
4. The Tamil Nadu Public Service Commission(TNPSC) Appointed as moderator and panel of examiners for the workshop for setting questions in computer science in the year January 2010.
5. Appointed as a Chairman in PG Computer Science Valuation, Bharathidasan University Examinations November 2024.

## Membership in Professional Bodies

| Name of the Professional Body  | Nature of membership | Duration     |
|--------------------------------|----------------------|--------------|
| Computer Society of India(CSI) | Member               | 2017 to 2022 |

## Awards / Honors

| Awards / Honors                           | Agency / Institute                         | Year of Award |
|---|--|---------------|
| Abdual Kalam Award in Educational Service | Tamil Thai Foundation ,<br>Tiruchirappalli | 2023          |

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| Contribution |  |  |
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