

BIODATA

NAME & QUALIFICATION: Ms. T.R.B. VIDHYA M.S.I.T., M.Phil., M.C.A.,

DESIGNATION : ASSISTANT PROFESSOR

DEPARTMENT NAME : COMPUTER APPLICATIONS

Email id: vidhyatrb@gmail.com Official id: vidhya@sigc.edu



Area of Specialization : COMPUTER NETWORKS

Date of Joining : 14-06-2004

Total Teaching Experience : 7 Years (Programmer from 2004 – 2010)

14 Years (Assistant Professor from 2010 onwards)

PARTICIPATION IN WORKSHOP / CONFERENCES / SEMINARS / FDPs/WEBINARS:

1. Participated in National Conference on Bioinformatic Tools for Gene and Protein Analysis at Shrimati Indira Gandhi College, Tiruchirappalli-2 during 7th & 8th September 2007.
2. State Level Seminar on Computer oriented mathematical Techniques 2007 (SLSCOMT-2007) at Shrimati Indira Gandhi College, Tiruchirappalli-2 during 10th & 11th August 2007.
3. Participated in Regional conference on “Information Communication Technology –Trends” organized by Shrimathi Indira Gandhi College, Trichy. 21st 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. Participated in the National level seminar on “HIGH PERFORMANCE COMPUTING” organized by Shrimathi Indira Gandhi College, Trichy 23rd Feb 2012.
6. Participated in the National Seminar on “CLOUD COMPUTING” jointly organized by BUTP, SIGC, Trichy and Computer Society of India, Trichy

Chapter on 26th & 27th September 2012.

7. Attended a Faculty Development one week Programme on “DOT NET” Organized by ICT Academy Pavendar Bharathidasan Institute of Information Technology, Tiruchirappalli on 1st September 2012.
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. Attended a Faculty Development Programme on “FUTURE TECH 2020” Organized by ICT Academy -Season 6 Skycampus on 18th May to 22nd May 2020.
14. Attended a Faculty Development Programme on “IMPROVING THE SKILL SET & CHANGING THE ATTITUDE” Organized by ICT Academy - Skycampus online Supersession on 5th June 2020.
15. Attended a Webinar on "DEVELOPING JSF WEB APPLICATIONS WITH HIBERNATE-A HANDS ON APPROACH" conducted by Bishop Heber College Trichy on 6th June 2020.
16. Attended a Workshop on "CYBER SECURITY" organized by Sri Venkateswara College Of Engineering & Technology (AUTONOMOUS) in association with INDIAN SERVERS from 08.06.2020 to 09.06.2020.

17. Attended a Faculty Development Programme on "PYTHON 3.4.3" organized by Dharmamurthi Rao Bhagadur Calavala Cunnan Chetty's Hindu College in collaboration with SPOKEN TUTORIAL-IIT BOMBAY, MHRD, GOVERNMENT OF INDIA from 10.06.2020 to 15.06.2020.
18. Attended a International Workshop on "REAL TIME COGNITIVE SERVICES USING AZURE CLOUD" organized by Parvathy's Arts & Science College, Dindigul from 10.06.2020 to 12.06.2020.
19. Attended a Webinar on "ONLINE CONTENT CREATION TOOLS" conducted by Bishop Heber College, Trichy on 11th June 2020.
20. Attended a Webinar on "ENCOURAGING LEARNERS ENGAGING IN REMOTE LEARNING" Conducted by Parvathy's Arts & Science College, Dindigul on 13th June 2020.
21. Attended a Faculty Development Programme on "FUTURE OF EDUCATION" Organized by ICT Academy - Skycampus online Supersession on 18th June 2020.
22. Attended a Webinar on "ONLINE EXAMINATION TOOLS" conducted by Bishop Heber College, Trichy on 20.06.2020.
23. Attended a Webinar on "INTRODUCTION TO ELEARNING CONTENT CREATION" conducted by IEEE COMPUTER SOCIETY, MADRAS on 22.06.2020.
24. Attended a Webinar on "HOW TO START A CAREER IN CYBER SECURITY AND AWARENESS ON CYBER CRIMES" conducted by IEEE STUDENT BRANCH, NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING AND TECHNOLOGY on 25.06.2020.
25. 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.
26. Attended a Webinar on "DATA SCIENCE APPLICATIONS AND OPPORTUNITIES" conducted by IEEE STUDENT BRANCH, NAWAB SHAH ALAM KHAN COLLEGE OF ENGINEERING AND TECHNOLOGY on 27.06.2020.
27. Attended a Webinar on "ROLE OF VIRTUAL AND AUGMENT REALITY IN EDUCATION" conducted by Government Arts College For Women (Autonomous), Pudukkottai on 29.06.2020.
28. Attended a National Level Faculty Development Programme on "MOODLE LEARNING MANAGEMENT SYSTEM" organized by Government Arts and Science College, Thiruvannainallur in association

with SPOKEN TUTORIAL-IIT BOMBAY, MHRD, GOVERNMENT OF INDIA from 02.07.2020 to 08.07.2020.

29. Attended a Webinar on "OPEN & FLEXIBLE CLOUD COMPUTING PLATFORM - MICROSOFT AZURE" conducted by Department Of Computer Science And Internal Quality Assurance Cell, Government Arts College For Women (Autonomous), Pudukkottai on 03.07.2020.
30. Attended a Workshop on "MACHINE LEARNING WITH WEB DEVELOPMENT" organized by G Narayanamma Institute Of Technology & Science For Women in association with Codegnan It Solutions(Opc) Pvt Ltd, Vijayawada, Andhra Pradesh from 06.07.2020 to 10.07.2020.
31. Attended a Workshop on "COMPUTER NETWORKS" organized by Arasu Engineering College, Kumbakonam from 06.07.2020 to 11.07.2020.
32. Attended a Workshop on "ONLINE TOOLS" organized by Kamaraj College of Engineering and Technology, Madurai in association with Nirals Information Technologies Pvt, Ltd., Kovilpatti from 13.07.2020 to 14.07.2020.
33. Attended a Workshop on "ADVANCED PYTHON" organized by Kamaraj College of Engineering and Technology, Madurai in association with Nirals Information Technologies Pvt, Ltd., Kovilpatti from 15.07.2020 to 17.07.2020.
34. Attended a Workshop on "RECENT TRENDS IN CYBER CRIMES" organized by Feroze Gandhi Institute Of Engineering And Technology, Raebareli on 19.07.2020.
35. Attended a Workshop on "INFUSING CLOUD COMPUTING SERVICES AND ARTIFICIAL INTELLIGENCE IN MICROSOFT AZURE" organized by Bishop Heber College, Trichy on 23.07.2020.
36. Attended a Workshop on "INTERNET OF THINGS(IoT): MAKES WORLD SMARTER" organized by Adhiparasakthi College Of Engineering, Kalavai on 24.07.2020.
37. Attended a Workshop on "EXPLORING PYTHON LIBRARIES FOR EXPLORATORY DATA ANALYSIS AND DATA PREPROCESSING" organized by Adhiparasakthi College Of Engineering, Kalavai on 27.07.2020.
38. Attended a Workshop on "BASICS OF PYTHON PROGRAMMING" organized by Department of Computer Science Engineering in Collabaration with IQAC, Dr.C.V.Raman University, Kota, Bilaspur from 27.07.2020 to 28.07.2020.

39. 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.
40. Attended a Faculty Development Programme on "DIGITAL TEACHING TECHNIQUES" organized by ICT Academy from 5th Jan 2021 to 9th Jan 2021.
41. Attended a Faculty Development Programme on "INTRODUCTION TO PYTHON PROGRAMMING" Organized by ICT Academy from 27th Sep 2021 to 1st Oct 2021.
42. Attended an International Conference on "RECENT TRENDS IN CYBER SURITY" conducted by Shrimati Indira Gandhi College, Trichy on 15th December 2021.
43. Attended a Faculty Enrichment Programme on "INTRODUCTION TO CLOUD COMPUTING" Organized by Shrimati Indira Gandhi College on 26th Feb 2022.
44. Attended a Faculty Development Programme on "INNOVATIVE PEDAGOGIES OF THE FUTURE IN TEACHING LEARNING PROCESS" Organized by Rajiv Gandhi National Institute of Youth Development from 17th March 2022 to 19th March 2022.
45. Attended a Faculty Development Programme on "JAVA FUNDAMENTALS" Organized by ICT Academy from 7th Feb 2022 to 13th June 2022.
46. Attended a Virtual Faculty Development Programme on "TABLEAU" Organized by Shrimati Indira Gandhi College from 14th June 2022 to 24th June 2022.
47. Six Day National Level Virtual FDP on "Aligning with the New Educational Era" By Primax Foundation ,St.Claret College,St.Francis College of Bengaluru with SIGC From 21/02/2022 to 26/02/2022.
48. Participated in the Faculty Enrichment Programme on "Shape Yourself with Siddha", organized by the Department of Chemistry, Shrimati Indira Gandhi College, Tiruchirappalli -02, from 14.07.2022.
49. Participated in Five Days Virtual Faculty Development Programme on "Positive Aspects of Teaching Practices", organized by IQAC and PG & Research Department of Commerce, Theivanai Ammal College for Women(Autonomous),from 20.02.2023 to 24.02.2023.

50. Participated in National Level Online Workshop on ChatGPT for Academics organized by St.Joseph's College ,Thiruchirappalli from 21.07.2023
51. Participated in Faculty Development Programme on **“Fundamentals of Coding and Cloud”** by Tamil Nadu Skill Development Corporation, Government of Tamil Nadu from 26.07.2023 to 28.07.2023.
52. Successfully completed the **“Journey to Cloud: Envisioning Your Solution”** offered by IBM on 04.08.2023.
- 53.Participated in Free Workshop on **“Boot Camp on Python Programming”** by CAAD Centre,Training Service Private Limited on 28.08.2023.
- 54.Participated in National Level Faculty Development Programme on **“Influence of AI and Teaching Research”** by Hindustan College of Arts and Science, Coimbatore,from 04.09.2023 to 09.09.2023.
55. Successfully completed **“Oracle Cloud Infrastructure 2023 Certified Foundations Associate”** on January 23, 2024.
- 56.Successfully completed the web-based training program entitled **“Field implementation on Oracle Cloud Infrastructure(OCI)”** On January 30, 2024.
- 57.Participated in the NEP 2020 **Orientation and Sensitization Programme** under Malaviya Mission Teacher Training programme (MM-TTC) of University GrantsCommission(UGC),organized by UGC-Malaviya Mission Teacher Training Centre (UGC-MMTTC),Bharathidasan University, Tiruchirappalli,Tamil Nadu from 19.2.2024 to 1.3.2024
- 58.Participated in **UMAGINE TN Global Conference** organized by Department of IT & DS at Chennai Trade Center, held on 23.02.2024 to 24.02.2024.
- 59.Presented a Paper entitled **“Artificial Intelligence Reshaping the Landscape of Digital Marketing”** in the International Conference on **“Modern Trends and Technology** organized by the Department of Computer Science, Joseph Arts and Science College, Kallakurichi District,Tamil Nadu, India on 01.03.2024 & 02.03.2024.
60. Participated in 5 Days Faculty Development Programme on **“Redefining Research Skills : Enriching Research and Publications”** from 01.04.2024 to 05.04.2024

conducted by Research and Development Cell, Shrimati Indira Gandhi College, Trichy

61. Presented a Paper entitled “**AI - Driven Cyber Security: Empowering Defense in the Digital Age Recruiting and Performance management**” in the International Conference on “**Innovative Techniques in Artificial Intelligence Communication Technologies (ICITAICT 2024)**” organized by SathyaBama Institute of Science and Technology, Deemed to be University, India on 12.04.2024.
 62. Participated in Faculty Development Programme on “**Oracle Cloud Architecture**” by Tamil Nadu Skill Development Corporation, Government of Tamil Nadu on 02.05.2024
 63. Participated in Seven Day Faculty Development programme on “**Understanding Outcome Based Education**” from 10.06.2024 to 15.06.2024 & 18.06.2024 conducted by Internal Quality Assurance Cell, Shrimati Indira Gandhi College, Trichy
 64. Participated in Faculty Development Programme on “**Generative AI**” by Tamil Nadu Skill Development Corporation, Government of Tamil Nadu from 09.08.2024.
 65. Participated and paper presented "A Comprehensive Study on Human Vulnerabilities, Insider Threats, Strategic Risk Mitigation" in the International conference on one-day International Conference on “Trends in Artificial Intelligence (ICTAI)” on 20.09.24 at Shrimati Indira Gandhi College.
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PATENTS :

*** Indian Design Patent title" IOT BASED AUTOMATED PILL DISPENSER " with Application number: 407918-001 has been granted on 17.02.2024.**

*** UK Design Patent title "BIOANALYZER FOR REAL-TIME CELL MONITORING" with Application number: 6349144 has been granted on 06 March 2024.**

OTHER POSITIONS HELD DURING TENURE AS TEACHER:

1. Tutor In-charge for the wards since 2004.
2. Course Coordinator in DEO – (2011-2012)
3. Association Secretary – 2011-2013, from 2016 to 2022
4. Oracle Academy Instructor - From 2021 to till date.
5. Social Media In-charge - From Dec 2022 to till date
6. Swayam NPTEL Mentor
7. Naan Mudhalvan Incharge From 26.07.2023 to till date