SHRIMATI INDIRA GANDHI COLLEGE

(Affiliated to Bharathidasan University)
Nationally Accredited at 'A' Grade (4th Cycle) by NAAC | An ISO 9001 : 2015 Certified Institution
Tiruchirappalli - 620 002

Name	**:** Ms V.Mahalakshmi
Designation	**:** Assistant Professor
Department	**:** PG & Research Department of Computer Science
Qualification	**:** M.C.A.,M.Phil.,M.Sc(Maths)., Ph.D(Pursuing)
Experience	**:** Teaching :18
Area of Specialization(s)	**:** Artificial Neural Networks , Machine Learning
Email (Official ID)	**:** mahalakshmiv@sigc.edu
Aadhaar Number	: 8745 7800 6956

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D	Computer Science	Shrimati Indira Gandhi College,Trichy	Pursuing
M.Sc	Mathematics	Bharathidasan University	2020
M.Phil	Computer Science	Shrimati Indira Gandhi College,Trichy.	2006
M.C.A	Computer Application	Bharathidasan University	2004
B.Sc	Mathematics	Cauvery College For Women, Trichy	2000

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Certification	Introduction to Machine Learning	Microsoft	2023
Certification	Get started with AI Builder	Microsoft	2023
Diploma	Learnathon	ICT Academy	2023
Certification	Foundations of coding and cloud	Bharathidasan University	2023
Certification	Youth Leadership Summit 2023	Ict Academy	2023
Certification	Software Engineering and Agile Software Development	Infosys Springboard	2025

Research Publications (Indexed)

International

1. Published the Research work entitled "Application of Machine Learning Algorithms in location specific crop yield prediction" in International Journal of Research in Computer Application and Robotics. ISSN:2320-7345 , 12.12.2023.

Presentations in Conference

1. Presented the paper entitled "**Empowering tech Upgrading for Sustainable Growth using Machine Learning Techniques**" in the National Level Conference on"Sustainable Innovation and policy Initiatives for startup young Entrepreneurs organized by the Department of Commerce, Vivekanandha Arts and Science College for Women on 9.2.2024.

2. Presented the paper entitled "**Optimizing Paddy Cultivation through Big Data Analytics" in the 5th International Conference on "Metaverse Technologies and Cloud Computing-(ICMTCC-2024)"** organized by PG & Research Department of Computer Science & Application ,Vivekanandha Arts and Science College for Women on 18.3.2024 & 19.3.2024.

3. Presented the paper in One Day International Conference "**Trends in Artificial intelligence (ICTAI)**" held on 20.09.2024, on the topic "**Global Health Risk Prediction Using Machine Learning : A Comparative Study of International Disease Surveillance Systems**" organised by PG & Research Department of Computer Science, Shrimati Indira Gandhi College, Tiruchirappalli-2.

4. Presented the paper in One Day International Conference "**Trends in Artificial intelligence (ICTAI)**" held on 20.09.2024, on the topic **"Machine Learning for crop yield Prediction:A comparative study of convolution Neural Networks"** organised by PG & Research Department of Computer Science, Shrimati Indira Gandhi College, Tiruchirappalli-2.

5. Presented the paper in One Day International Conference on **"Next Generation Technologies for Sustainable Computing"** held on 24.01.2025, on the topic" **Optimizing Paddy Cultivation through Big Data Analytics and Machine Learning Techniques"** organised by Department of Computer Applications, Shrimati Indira Gandhi College, Tiruchirappalli-2.

Participation in Conference

International

1. Attended a one-day International Conference on **"Recent Trends in Cyber Security"** organized by Shrimati Indira Gandhi College, Trichy on 15.12.2021.

National

1. 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.

Participation in Seminars

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

2. Participated in the National level Seminar on **"CLOUD COMPUTING"** jointly organized by BUTP, SIGC, trichy and Computer Society of India, Trichy Chapter on 26th & 27th September 2012.

3. Participated in the International Seminar on **"Data Science and Management of Data "** on 12.06.2024 organized by the Department of Information Technology, Dr M.G.R Educational Research and Institute Chennai.

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.

Participation in Faculty Development Programme

1. Attended a 5 days Faculty Development Programme n "JAVA FUNDAMETALS" Organized by ORACLE academy in M.A.M College of engineering & Technology, Tiruchirappalli from 30th March 2015 to 3rd April 2015.

2. Attended a Faculty Development Programme on "THE FUTURE IS HERE NOW" Organized by ICT Academy -Season 3 Sky campus 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 Sky campus 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 Sky campus on 11th May to 15th May 2020.

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

6. Attended a Faculty Development Programme on the topic "Emerging Technologies" Organized by Dr.M.G.R. Educational and Research Institute, Chennai on 29.05.2020 to 02.06.2020.

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

8. Attended a Faculty Development Programme on the topic "Covid-19 Dataset Analysis using Pandas in Python" Organized by Rajalakshmi Engineering College on 05.06.2020 to 06.06.2020.

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

10. 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.

11. Attended a Faculty Development Programme on "PREDATORY JOURNALS- A GROWING THREAT FOR ACADEMICIANS" Organized by BISHOP HEBER COLLEGE, TRICHY online Supersession on 4th July 2020.

12. Attended a Faculty Development Programme on the topic "Machine Learning" Organized by St.Joseph's Institute of Technology, Chennai on 27.07.2020 to 31.07.2020.

13. Attended a Faculty Development Programme on the topic "Value Addition on Emerging Information Technologies" Organized by Dr.M.G.R.Educational and Research Institute, Chennai on 10.08.2020 to 14.08.2020.

14. Attended a Faculty Development Programme on "BLOCKCHAIN TECHNOLOGY" Organized by DR.MGR EDUCATIONAL AND RESEARCH INSTITUTE, CHENNAI online Supersession on 29th August 2020.

15. Attended a Faculty Development program on "Data Science and Big data" organized by School of Computer Science, PPG college of Arts and Science, coimbatore at 25.08.2021-31.08.2021.

16. Attended a One-day International online Faculty Development Program on "Technologies for the New Era" organized by Cauvery College for Women, Trichy on 22.01.2022.

17. Attended a Six day International Online FDP on "Technologies for the New Era" Organized by Cauvery College for Women, Trichy at 21.2.2022 to 26.2.2023.

18. Attended a FDP on "Introduction to Cloud Computing" Organized by Shrimati Indira Gandhi College, Trichy on 26.2.2023.

19. Attended a Five day FDP on "Patents and Innovative Teaching & Research Methodology" Organized by Bishop Heber College(Autonomous), Trichy at 2.3.2023 to 6.3.2023.

20. Attended a Five day FDP on "Innovative Pedagogies of the Future in Teaching Learning Process" Organized by Rajiv Gandhi National Institute of Youth Development , Ministry of Youth Affairs and Sports, Government of India,Sripwerumbudur and shrimati Indira Gandhi College,Trichy at 17.3.2022 to 19.3.2023.

21. Attended a Six day FDP on "Communication Systems using Machine Learning Algorithms (CSMLA)" Organized by Department of Electronics and Communication Engineering, Annamacharya Institute of Technology and Sciences, Hyderabad at 14.3.2022 to 19.3.2022.

22. Attended a FDP on "Tableau" Organized by Department of Computer Science ,IT & Computer Applications, Shrimati Indira Gandhi College, Trichy at 14.6.2022 to 24.6.2022.

23. Attended a FDP on "Salesforce Essentials for Business Specialists" Organized by ICT Academy & Shrimati Indira Gandhi College, Trichy at 20.6.2022 to 24.6.2022.

24. ended a FDP on"Computational Biology(Interdisciplinary)" Sponsored by Ministry of Electronics and Information Technology Organized by E & ICT Academy NIT Warangal and University College of Engineering ,Anna University, Tiruchirappalli at 13.7.2022 to 22.7.2022.

25. Attended a FDP on "Systematic Literature Review & Morphological Analysis" Organized by Department of Management Studies,Shrimati Indira Gandhi College, Trichy at 6.12.2022.

26. Attended a Two day Virtual National level FDP on "Master class research Paper Publication" Organized by Primax Foundation bengaluru, Karnataka ,India at 28.1.2023 to 29.1.2023.

27. Attended a Five day National level FDP on "Artificial Intelligence / Machine Learning / Deep Learning" Organized by DRK College of Engineering and Technology, Hyderabad at 20.2.2023 to 24.2.2023.

28. Attended a Five day Virtual FDP on "Positive Aspects of Teaching Practices" Organized by IQAC and Theivanai Ammal College for Women(Autonomous),Villupuram at 20.2.2023 to 24.2.2023.

29. Attended a Three day FDP on "Foundations of coding and cloud" Organized by Tamil Nadu Skill Development Corporation Naan Mudhalvan Scheme,Bharathidasan University at 24.7.2023 to 26.7.2023

30. Attended a Five day National Level FDP on "Influence of AI in Teachinng Research" Organized by Department of Commerce with Computer Application ,Hindustan College of Arts & Science Coimbatore at 4.9.2023 to 9.9.2023.

31. Attended a IQAC- Five day National Level FDP on " Research the Journey from inception to publishing" Organized by Department of Computer Science ,Dhanraj Baid Jain College Chennai at 5.2.2024 to 9.2.2024.

32. Participated in Five day FDP on "Redefining Research Skill:Enriching Research and Publications" Organized by Research and Development ,Shrimati Indira Gandhi College Tiruchirappalli from 1.4.2024 to 5.4.2024.

33. Participated five days Virtual Faculty Development Programme on "Outcome Based Education (Use of AI Tools in Teaching Learning ") from 22.4.24 to 26.4.24 at Dr.M.G.R Educational and Research Institute.

34. Participated in Five day FDP on "Effective of generative AI in Modern Research and Industry" Organized by Department of Computer Science, Sister Nivedha University, Kolkata,India from 29.4.2024 to 3.5.2024.

35. Participated in Five day FDP on "Recent Technologies in Computer Science for Research Perspectives-2024 " Organized by PG & Research Department of Computer Science(SF-II), Bishop Heber College Tiruchirappalli from 1.5.2024 to 5.5.2024.

36. Participated in Five day FDP on "Effective of generative AI in Modern Research and Industry" Organized by Department of Computer Science, Sister Nivedha University, Kolkata,India from 29.4.2024 to 3.5.2024.

37. Participated in Five day FDP on "Recent Technologies in Computer Science for Research Perspectives-2024 " Organized by PG & Research Department of Computer Science(SF-II), Bishop Heber College Tiruchirappalli from 1.5.2024 to 5.5.2024.

38. Participated in One Week Virtual Faculty Development Programme on "Transforming Education with Artificial Intelligence: A Faculty Development Journey." Organized by School of Computational Science, KG College of Arts and Science,Coimbatore from 22-07-2024 to 26-07-2024.

39. Participated Five Days FDP **on "Exploring Machine Learning Cyber Security: Tools and Trends"** organized by Department of Computer Science and Engineering, Sri Venkateswara College of Engineering from 05.08.2024 to 09.08.2024.

40. Participated 6 Days Online Faculty Development Programme(FDP) on **"Artificial Intelligence's impact on Transforming Software, Robotics, Electrical and Electronics & Mechanical Fields"** held from 5th to 10th August 2024 organized by DHANNISH AHMED COLLEGE OF ENGINEERING, Chennai.

41. Participated in One Week Online Faculty Development Programme on "Innovative Pedagogical Techniques in Management Educations" Organized by Kamal Institute of Higher education and advanced Technology ,New Delhi from 21-10-2024 to 25-10-2024.

42.

43. Participated in six day Online FDP on "Empowering Innovation & Research: A Comprehensive FDP on Intellectual Property Rights(IPR)" Organized by Department of Research and Development in association Institution Innovation Council,Indira Ganesan Institutions from 24.2.2025 to 1.3.2025.

Conference / Seminar / Workshop Organized

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

2. Participated in the National level Seminar on "CLOUD COMPUTING" jointly organized by BUTP, SIGC, trichy and Computer Society of India, Trichy Chapter on 26th & 27th September 2012.

3. Attended a One-day online Seminar on Qualitative & quantitative metrics in RAAF of NAAC organized by Rajalakshmi Engineering College (Autonomous), Thandalam, Chennai at 17.09.202.

4. Participated in the International Seminar on "Data Science and Management of Data on 12.6.24 Organized by Department of Information Technology Dr.M.G.R Educational and Research Institute.