



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.Karthika Devi
Designation : Assistant Professor
Department : PG & Research Department Of Computer Science
Qualification : MCA., M.PHIL, UGC - NET
Experience : Teaching: 22 YEARS
Area of Specialization(s) : Cloud Computing, AI & ML
Email (Official ID) : karthikadevi@sigc.edu
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Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
M.Phil	Computer Science	Alagappa University	2008
MCA	Computer Application	Shrimathi Indira Gandhi College, Trichy 2	1998
B.Sc	Chemistry	Government Arts College, Thuvakkudi	1995

Research Publications (Indexed)

International

1. June 2024 Publication of the Paper On IOT Research and Use in Weather Monitoring System at The Board of SCIENXT Journal of Physics and Space Sciences.
2. "Data-Hiding using in Cryptography and Steganography" in NeuroQuantology |June 2022 | Volume 20 | Issue 6 |Page 8401-8406|doi:10.14704/nq.2022.20.6.NQ22830.

3. “Credentials over invaders and avert the data by the usage of blockchain transactions with the cryptography techniques” NeuroQuantology |June 2022 |Volume 20 | Issue 6 | Page 8407-8415|doi:10.14704/nq.2022.20.6.NQ22831.
4. “Developing an Error Logging Framework for Ruby on Rails Application Using AOPM” Gomathy, V. Karthika Devi, D Meenakshi – 2014 World Congress on Computing and Communication Technologies, 44-49, IEEE.
5. “LITERATURE REVIEW OF IMAGE COMPRESSION TECHNIQUE” D.Meenakshi, V. Karthika Devi, International Journal of Computer Science & Engineering Technology (IJCSET) H- INDEX: 3 ISSN : 2229-3345 Vol. 6 No. 05 May 2015, PPNO 286-288.
6. “SEMANTIC WEB TECHNOLOGIES IN SSL BASED CRYPTOGRAPHY DATA MANAGEMENT” D.Meenakshi, T.Malathi, V. Karthika Devi, International Journal of Engineering Science Invention Research & Development Vol. II Issue IX March 2016 PPNO 596-599.
7. “SSL Based Cryptography Data Management in Private Cloud Computing” Ms. V. Karthika Devi, International Journal of Computer Sciences and Engineering, 2019, ISSN: 2347-2693.
8. “Cyber Security: Problems and Disputes” Ms. V. Karthika Devi, Primax Foundation, In Association with Aarya Business College, Singapore, Suraj Punj Journal for Multidisciplinary Research, 2019, ISSN: 2394-2886.
9. “An Enhanced Access Control Mechanism for Mobile Cloud Computing” Ms. V. Karthika Devi, Alochana Chakra Journal, 2020 ISSN : 2231-3990.

Presentations in Conference

1. 20/9/2024 International Conference on Trends in Artificial Intelligence (ICTAI) at Shrimati Indira Gandhi College, Trichy.
2. 14.02.2025 International Conference on AI FOR COLLABORATIVE INNOVATION: BRIDGING ACADEMIA AND INDUSTRY, presented a paper with the title **UTILITARIAN ARTIFICIAL INTELLIGENCE PRIVILEGES IN CYBER SECURITY: EXISTING AWARENESS EXPLORATION** at Department of Management, Shrimati Indira Gandhi College, Trichy.

Participation in Workshop

1. 28.1.2024 Workshop on Data Science with AI at NoviTech R&D Private Limited.
2. Ms. V.Karthikadevi, attended a workshop on completed Vikaspedia - A- Platform for Augumrntation of Multilingual Digital Resources for Development on 20.02.2025 at Shrimati Indira Gandhi College, Trichy.

Participation in Orientation Programme / Short Term Courses

1. 19/2/2024 - 28/2/2024MM- **TTP NEP Orientation and Sensitization Program** on UGC- Malaviya Mission Teacher Training Centre at Bharathidasan University.
2. For successful participation in **Learnathon 2023**, organized by ICT Academy during August 2023 - September 2023.

Participation in Faculty Development Programme

1. 07.07.2023 - 13.07.2023 **FDP** on "UPSKILL YOUR RESOURCES" (Under UGC Autonomy Grant)" at AYYA NADAR JANAKI AMMAL COLLEGE, Sivakasi".
2. 04-09-2023- 09-09-23**National Level FDP** on the Influence of AI in Teaching and Research at Hindustan College of Arts and Science, Coimbatore.
3. 4/9/2023 - 11/9/2023 **FDP** on Research to Publication at ADHIYAMAN ARTS AND SCIENCE COLLEGE FOR WOMEN, Salem.
4. 19/9/2023 - 26/9/2023**FDP on** The Power of Positivity Approach in Teaching & Learning System of Cultural Transformation at Hindustan College of Arts and Science, Coimbatore.
5. 5/2/2024 & 6/2/2024 **FDP on** Evaluation Strategies & Classroom Management Skills at Michael Job Memorial College of Education for Women, Coimbatore.
6. 5/2/2024 - 9/2/204 **FDP on** Research - The Journey from Inception to Publishing at Dhanraj Bain Jain College, Chennai.
7. 26/2/2023 - 01/03/2024 **FDP** on "The Emerging Trends in Research and Teaching Technology at St. Thomas College of Arts and Science, Chennai.
8. 1/4/2024 - 5/4/2024 FDP Redefining Research Skills: Enriching Research and Publications from Shrimati Indira Gandhi College, Trichy.
9. 6/4/2024 - 14/4/2024 FDP on Django Revolution: Transforming Ideas into Web Reality at Marcello Tech, Trichy.

10. 22-26 April 2024 FDP on Outcome-Based Education (Use of AI Tools in Teaching and Learning) at Dr. M.G.R. Educational and Research Institute, Chennai – 06.
11. 20/5/2024- 24/5/2024 FDP on Intellectual Property Rights and Patents at Dr. M.G.R. Educational and Research Institute, Chennai – 06.
12. 10.06.2024 - 15.06.2024 FDP on Understanding Outcome-Based Education at Shrimati Indira Gandhi College, Trichy.
13. 01/07/2024- 5.7.2024 Naan Mudhalvan FDP on Object-Oriented Programming using Python at Infosys Springer Board.
14. 23.9.2024 - 28.9.2024: Virtual FDP on Excellence in Research Methodology at SRM Institute of Science and Technology, Ramapuram, Chennai.
15. 21.10.2024 - 25.10.2024 on Online FDP Innovative Pedagogical Techniques in Management Education at Kamal Institute of Higher Education and Advanced Technology, New Delhi, in association with Ojha Publication and Research House, New Delhi.
16. Ms. V.Karthikadevi, completed FDP “**Fundamentals of Web Development**” Tamil Nadu Skill Development through the Naan Mudhalvan Program held at Bharathidasan University from 06.01.2025 to 11.01.2025.

Conference / Seminar / Workshop Organized

1. 5/9/2023 -Webinar on STEM Robotics for Educators at UP Educators.
2. 18/3/2024 - 24/3/2024 Internship From Marcello Tech, Trichy on Emerging Trends and Technologies at UI/UX Design.
3. 25/06/2024.Lecture Series on "Teacher as Facilitator" at Dr. M.G.R. Educational and Research Institute, Chennai – 06.

Conference / Seminar / Workshop Organized

1. **PATENT on** “IOT ENABLED CHEMICAL MIXING DEVICE FOR AGRICULTURE FARM” Date of Issue: 14/12/2023 at The Patent Office, Government of India.
2. cbr date: 16/09/2024 Patent on PORTABLE FOOD MICROBIOLOGY ANALYZER at The Patent Office, Government of India.