

PROFILE

Name : Dr. S. Edel Josephine Rajakumari
Designation : Assistant Professor & Head
Department : Artificial Intelligence and Machine Learning
Educational Qualification : M.C.A., M.Phil., SET., NET., Ph.D.

**ACADEMIC PROFILE**

S. No.	Degree / Diploma	Subject / Main	Year of Completion	Name of the College / University
1	U.G.	B.C.A.	2009	Holy Cross College (Autonomous) Tiruchirappalli.
2	P.G.	M.C.A.	2012	Holy Cross College (Autonomous) Tiruchirappalli.
3	M.Phil.	Computer Science	2013	St. Joseph's College (Autonomous) Tiruchirappalli.
4	Others	SET	2016	Mother Teresa Women's University, Kodaikanal.
		NET	2024	University Grants Commission
5	Ph.D.	Computer Science	2024	Jamal Mohamed College (Autonomous), Tiruchirappalli.

TEACHING EXPERIENCE

Teaching Experience at Holy Cross College : 8 years
Teaching Experience outside Holy Cross College : 1 year 4 months
Total Teaching Experience : 9 years 4 months

POSITIONS HELD (VP / Dean / HOD / Director/ Overall Coordinator etc.)

S. No.	Name of the Position	Period
1	Examination Core Committee Member Holy Cross College (Autonomous) Tiruchirappalli.	JAN 2016 – May 2017 OCT 2019 – Till Date

2	Coordinator of Youth Against Drugs Club Holy Cross College (Autonomous) Tiruchirappalli.	JUNE 2021 – MAY 2024
3	DoVE Core Committee Member Holy Cross College (Autonomous) Tiruchirappalli.	JUNE 2023 - MAY 2024
4	Head of the Department Department of Artificial Intelligence and Machine Learning Holy Cross College (Autonomous) Tiruchirappalli.	JUNE 2024 ONWARDS

E-LESSONS DEVELOPED

- *Cloud Computing*
- *Data Center*
- *Interface in Java*
- *Types of Machine Learning*

**CONFERENCE/SEMINAR/WORKSHOP/ TRAINING PROGRAMME ATTENDED
(ACADEMIC & GENERAL)**

S. No.	Theme	Place	International / National / State level	Year	Resource Person / Paper Presentation / Participation
1	International Conference on Opinion Mining for Big Data Analysis	St. Antony's College of Arts and Sciences for Women Dindigul.	International Level	2014	Participation
2	Workshop on Electronic Information Sources and Web Designing	St. Joseph's College (Autonomous) Tiruchirappalli.	State Level	2014	Participation
3	Workshop on Cloud Infrastructure and Services	Mother Teresa Women's University Kodaikanal.	State Level	2014	Participation
4	One day Workshop on Mainframe Computer	Arul Anandar College Madurai.	State Level	2015	Participation
5	International Conference on Advanced Computing (ICAC 2015)	Jamal Mohamed College (Autonomous) Tiruchirappalli.	International Level	2015	Paper Presentation Title: A Comparative Study on Traditional and Virtual Classrooms

6	International Conference on Mathematical Methods and Computation (ICOMAC 2019)	Jamal Mohamed College (Autonomous) Tiruchirappalli.	International Level	2019	Paper Presentation Title: A Survey on Security Challenges in Cloud Computing
7	International Workshop on Research Aspects of Cloud Computing	Adaikalamatha College Thanjavur.	International Level	2019	Participation
8	National Level Workshop on R (organized by IIT, Bombay)	Sastra Deemed University (Remote Center) Thanjavur.	National Level	2019	Participation
9	A Two-day International Conference on Smart and Innovative Technologies – The Future of Digital India (ICSIT'20)	Holy Cross College (Autonomous) Tiruchirappalli.	International Level	2020	Participation
10	Online Short-term Skill Training Programme on Python: Beginners Tutorial	Alagappa University Karaikudi.	Online	2020	Participation
11	Virtual Faculty Development Programme on Cybersecurity Essentials	ICT Academy Chennai.	Online	2020	Participation
12	One week Online International Faculty Development Programme (FDP) on Artificial Intelligence and IoT heuristic transdisciplinary perspectives	Holy Cross College (Autonomous) Tiruchirappalli.	International Level (Online)	2020	Participation
13	Faculty Development Programme on Applications of Mathematics	Karunya Institute of Technology and Sciences Coimbatore.	Online	2020	Participation
14	Two Week Faculty Development Programme (FDP) on Pedagogy and Research Methods	Academy of Maritime Education and Training (AMET) Chennai.	Online	2021	Participation
15	AICTE Training And Learning (ATAL) Academy Online	Gnanamani College of Technology Namakkal.	National Level	2021	Participation

	Elementary FDP on Augmented Reality and Virtual Reality				
16	Three-day Online Faculty Development Programme Hands-On Workshop on Embracing Digital Education	St. Joseph's College (Autonomous) Tiruchirappalli.	Online	2021	Participation
17	Five-day Online course on Big Data Analytics with MongoDB	St. Joseph's College (Autonomous) Tiruchirappalli.	Online	2021	Participation
18	Five days ATAL sponsored Online Faculty Development Programme on Integrated Data Analytics – the Tools and Applications across Industry Verticals	Holy Cross College (Autonomous) Tiruchirappalli.	National Level	2021	Participation
19	Five Day Online International Faculty Development Programme on Blended and Inclusive Strategies in Artificial Intelligence and Machine Learning	Holy Cross College (Autonomous) Tiruchirappalli.	International Level (Online)	2021	Participation
20	One day International Online Faculty Development Program on Technologies for the New Era	Cauvery College for Women (Autonomous) Tiruchirappalli.	International Level (Online)	2022	Participation
21	Faculty Development Programme on Augmented and Virtual Reality- A Hands on Session	Holy Cross College (Autonomous) Tiruchirappalli.	-	2022	Participation
22	47 th Edition of BRIDGE 2022 - Chennai (A High Impact Industry-Institute Interaction Event of India)	ICT Academy Chennai.	National Level	2022	Participation
23	One week Faculty Development Program on Amazon Web Services	Sri Krishna College of Engineering and Technology, Coimbatore in collaboration with Brainovision Solutions India Pvt. Ltd. & All India Council for	Online	2022	Participation

		Technical Education - AICTE			
24	18 hours of Faculty Development Program on Microsoft Azure AI Fundamentals	ICT Academy Chennai.	Online	2022	Participation
25	One-week Virtual Faculty Development Programme on Digital Pedagogies for achieving Sustainable Development Goals in Education	All India Association for Christian Higher Education (AIACHE) New Delhi & Lady Doak College, Madurai	Online	2022	Participation
26	International Conference on Mathematical Methods and Computation (ICOMAC 2022)	Jamal Mohamed College (Autonomous) Tiruchirappalli.	International Level	2022	Paper Presentation Title: An Overview of Data Security Algorithms in Cloud Computing Paper Presentation Title: Grey Wolf Optimized Context Aware Matrix based Symmetric Algorithm for Public Cloud Data Security
27	One Day International Seminar on Research Areas in Data Analytics and Security	Holy Cross College (Autonomous) Tiruchirappalli.	International Level	2022	Participation
28	Five Day Faculty Development Programme on Cloud Practitioner (AWS)	ICT Academy Chennai.	State Level	2022	Participation
29	International Seminar on Innovative Technologies and Cybersecurity (ISITCS '23)	Holy Cross College (Autonomous) Tiruchirappalli.	International Level	2023	Participation
30	International Conference on Futuristic Trends in Computational Sciences (ICFTCS 2023)	Holy Cross College (Autonomous) Tiruchirappalli.	International Level	2023	Participation
31	National Level Online workshop on ChatGPT for ACADEMICS	St. Joseph's College (Autonomous) Tiruchirappalli.	Online	2023	Participation
32	One day workshop on Manipulation and Analysis of Data in SPSS	Holy Cross College (Autonomous) Tiruchirappalli.	In-Service	2023	Participation
33	One Day International FDP on Innovative Techniques in Artificial	Holy Cross College (Autonomous) Tiruchirappalli.	In-Service	2023	Participation

	Intelligence and Deep Learning				
34	One-week Faculty Development Programme on Open AI Tools for Academicians	St. Joseph's College (Autonomous) Tiruchirappalli.	Online	2023	Participation
35	National Level FDP on Navigating the Landscape of Artificial Intelligence	Kristu Jayanti College (Autonomous) Bengaluru.	National Level	20.05.2024 TO 27.05.2024	Participation
36	Live Workshop on AI & Automation in MS Excel	Skill Nation	Online	23.05.2024	Participation
37	10 hours FDP on Stress Management	ICT Academy Chennai.	Online	27.05.2024 TO 31.05.2024	Participation
38	Online Workshop on Data Analytics & AI	University of Calicut in association with IPSR Solutions Ltd.	Online	15.06.2024	Participation
39	Two-Day Workshop on GENAI for Educators – Transforming Education	Centre for Artificial Intelligence CHRIST (Deemed to be University), Bangalore.	Online	25.07.2024 TO 26.07.2024	Participation
40	5-Day Online FDP on Leveraging AI Technologies for Enhanced TLE	Jamal Mohamed College (Autonomous) Tiruchirappalli.	Online	29.07.2024 TO 02.08.2024	Participation
41	FDP on AI Tools for Research Publication and Reporting	Holy Cross College (Autonomous) Tiruchirappalli.	In-Service	09.09.2024	Participation

BOOK CHAPTERS PUBLISHED

1. Published a Book Chapter entitled **Tuberculosis Data Analysis.**

Title of the Book: Power BI Analytics across Industries: Transforming Data into Insights

Year: 2024

RECOGNITION / AWARDS

Academic Year	Government / Private	Date	Name of the Award
2021 - 2022	Private	23.10.2021 - 25.10.2021	participated in the 48 hours உலக சாதனை தொடர் கவியரங்கம் , jointly organized by Holy Cross College (Autonomous), Tiruchirappalli and தமிழ் அமுது அறக்கட்டளை and received the award கவிச்செம்மல் (World Record)
2022-2023	Private	22.08.2022 - 26.08.2022	participated in the 100 hours நூற்றாண்டு விழா கவியரங்கம் , jointly organized by Holy Cross College (Autonomous), Tiruchirappalli and பெரல் அறக்கட்டளை and received the award தமிழ்க்கவி அமுது

RESOURCE PERSON / JUDGE

Academic Year	Name of the Programme	Date	Details
2021 - 2022	Cham Fest 2K22	24.05.2022	Acted as a Judge for Cham fest 2K22 held on 24th May 2022 , organized by the National Service Scheme (NSS), St. Joseph's College (Autonomous), Tiruchirappalli.

RESEARCH ARTICLES PUBLISHED

1.	Veeraragavan N., Dr. L. Arockiam, Edel Josephine Rajakumari S. (2014). A Novel Edu-CloudSec Framework for E-Learning System . International Journal of Computer Applications (0975 – 8887), Advanced Computing and Communication Techniques for High Performance Applications (ICACCTHPA-2014). http://research.ijcaonline.org/icaccthp2014/number4/icaccthp6048.pdf
2.	Carmelete Silviya J., Edel Josephine Rajakumari S. (2015). A Comparative study on Traditional and Virtual Classrooms . International Conference on Advanced Computing (ICAC 2015), and Vol.2: ISSN. 2348 4454.
3.	Dr. T. Daisy Premila Bai, Ms. H. M. Leena, Edel Josephine Rajakumari S. (2018). Internet of Everything: State of Art – Research Challenges and Directions . International Journal of Scientific Research in Computer Science Applications and Management Studies (IJSRCSAMS), Vol. 7, Issue No. 5, September 2018, ISSN. 2319 – 1953.
4.	Edel Josephine Rajakumari S., Dr. T. Daisy Premila Bai, Ms. H. M. Leena (2018). Analysis of Cloud Computing and Its Challenges . International Journal of Computer Sciences and Engineering (IJCSE), Vol. 6, Issue No. 12, pp. 326 – 329, December 2018, ISSN. 2347-2693.

5.	Dr. D. I. George Amalarethnam, Edel Josephine Rajakumari S. (2019). A Survey on Security Challenges in Cloud Computing . Journal of Physical Sciences (JPS), Vol. 24, pp. 133 – 141, June 2019, ISSN: 2350-0352.
6.	Dr. D. I. George Amalarethnam, Edel Josephine Rajakumari S. (2021). A Matrix-Based Symmetric Algorithm for Secure Data Storage in Public Clouds . Webology, Vol. 18 (5), pp. 2647 – 2660,ISSN: 1735-188X.
7.	Dr. D. I. George Amalarethnam, Edel Josephine Rajakumari S. (2021). Context Aware Matrix-Based Symmetric Algorithm for Data Security in Public Cloud . Webology, Vol. 18 (6), pp. 7169 – 7186,ISSN: 1735-188X.
8.	D.I. George Amalarethnam, Edel Josephine Rajakumari S (2024). An Overview of Data Security Algorithms in Cloud Computing . Communications in Computer and Information Science Applied Intelligence and Informatics, Springer Nature Switzerland, pp. 355-367. https://doi.org/10.1007/978-3-031-68639-9_23

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