

**Name** : **Dr. A. Roslin Deepa**  
**Designation** : **Assistant Professor**  
**Department** : **Information Technology**  
**Date of Joining** : **26 -July -2023**  
**Email** : **[roslindeepa@americancollege.edu.in](mailto:roslindeepa@americancollege.edu.in)**



**Educational Qualification:**

<b>Degree</b>	<b>Subject</b>	<b>College/University&amp;Place</b>	<b>Year Completed</b>
Ph.D	Computer Science	Bharathidasan University, Trichy	2018
M. Phil	Computer Science	Madurai Kamaraj University	2006
M.C.A.	Computer Applications	Madurai Kamaraj University College	1999
B.Sc(Special)	Mathematics	Lady Doak College	1996

**National Eligibility Test:**

- Qualified UGC-NET Examination for lectureship conducted in November 2020.

**Specialization in Teaching:**

- Compiler Design
- Computer Networks
- Data Communication and Networks
- Software Testing and Project Management
- Soft Computing
- Computer Graphics
- Theory of Computation
- ADBMS
- Digital Electronics

- Computer Organisation
- Network Security
- Data Structures and Algorithms

**Specialization in Research:** Data Mining

**Research Interests:** Soft Computing

**Work Experience:**

<b>Designation</b>	<b>Institution</b>	<b>Year - From(month/year) To(month/year)</b>
PG Teacher	Kendriya Vidyalaya, Narimedu, Madurai	July 2000 – February 2004
Lecturer	Mannar Thirumalai Naicker College	June 2006 – April 2007
Lecturer	Madurai Institute of Social Science College	July 2007 – May 2008
Lecturer	Fatima College	June 2008 – May 2009
Guest lecturer	Madurai Kamaraj University Evening College	September 2009 – April 2011
Guest lecturer	Madurai Kamaraj University	July 2011 – March 2023
Asst. Professor	American College	July 2023 – Till date

**Papers Published at the International Journals:**

- RoslinDeepa and RamalingamSugumar, “K-means Clustering – A Survey on Various Clustering Techniques”, International Journal of Computer Science, Volume 3, Issue to, No 2, 2015., **ISSN:2348-6600**, Page No:598-605.,ID: IJCS-105 . (**GIF 2015: 0.453**)
- RoslinDeepa and RamalingamSugumar, "Authentication of K Nearest Neighbor Query On Road Networks", International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) Vol. 3, Special Issue 20, April 2016,**ISSN 2394-3777(Print), ISSN 2394-3785(Online). (IF: 4.753)**
- RoslinDeepa and RamalingamSugumar,"Analysis of KNN Query Using Clustering Algorithm In Data Mining", International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) Vol. 3, Special Issue 20, April 2016, **ISSN 2394-3777(Print), ISSN 2394-3785(Online). (IF : 4.753)**

- RoslinDeepa and RamalingamSugumar, "Efficient Query Service Provider Using Clustering K-Nearest Neighborhood Algorithm", International Journal of Computer Trends and Technology(IJCTT), volume 36, issue 4, June 2016., **ISSN: 2231-2803**, Page No: 176-182. Published by Seventh Sense ResearchGroup. **(IF: 1.494)**
- RoslinDeepa and RamalingamSugumar, "An Analysis of the Query Point in Neighborhood Service using K-means Clustering Algorithm", International Journal of Innovative Research in Computer and Communication Engineering(IIRCCE) (An ISO 3297: 2007 Certified Organization), Vol. 4, Issue 8, August 2016, **ISSN (Online): 2320 - 9801, ISSN(Print): 2320 - 9798.(IF: 6.577)**
- RoslinDeepa and RamalingamSugumar, "Secure and Dynamic Query Provider in KNN Classification using Clustering in the International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), Vol. 4, Issue 2, February 2017, **ISSN (Online): 2394-3785, ISSN(Print): 2394 - 3777. (IF : 4.753)**

#### **Conferences:**

- RoslinDeepa and RamalingamSugumar, "Authentication of networks using data mining techniques and principles" presented paper in the National Conference on Emerging Trends in Software Development(**NCETSD 2016**).
- RoslinDeepa and RamalingamSugumar, "Data Mining for Network Security - Network Applications and Database Security" presented paper in the National Conference on Emerging Trends in Software Development (**NCETSD -2016**).

#### **FDP Attended:**

<b>S.No</b>	<b>Title</b>	<b>Institution</b>	<b>Date</b>	<b>International / National</b>
1	Ethical Hacking Tools and Techniques	Kamaraj College of Engineering and Technology	28.08.2023 to 01.09.2023	National

2	Edge Cutting Technologies in IT Field	Rajapalayam Rajus College in collaboration with IGL Hands on Private Limited USA	19.09.2023 to 23.09.2023	National
3	Deep Learning Techniques for Image Retrieval Applications	SRM College for Engineering and Technology Madurai	18.01.2024 to 20.01.2024	National
4	Emerging Trends in Data Analytics	Saveetha College of Liberal Arts and Sciences, SIMATS, Chennai	09.01.2024 to 26.01.2024	International