

Name : Dr.N.Deepa
Designation : Assistant Professor
Department : Computer Science
Qualification : M.Sc., M.Phil., PhD.
Experience : Teaching: 14 Years
Research: 4 years
Area of Specialization(s) : Computer Networks, Software Engineering
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Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Computer Science	Dr. N.G.P. Arts and Science College, Coimbatore	2022
M.Phil.	Computer Science	Karpagam University, Coimbatore	2012
M.Sc	Computer Science	Sri Ramakrishna College Of Arts and Science For Women	2007
B.Sc	Computer Technology	V.L.B.Janakiammal College Of Engineering and Technology, Coimbatore	2004

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Online Certificate	Introduction to Machine Learning	Infosys-Springboard	2023
Online Certificate	R programming	Spoken tutorial,IIt Bombay, National Mission on Education	2020
Online Certificate	Biopython training	Spoken Tutorial Project, IIT B	2020

Research Publications (Indexed)

International

Dr. N. Deepa, **A Comparative Study of Various Energy Efficient Techniques used in Wireless Sensor Networks**, International Journal of Theoretical and Applied Sciences, , Vol.10(1a), special Issue 7, Online: ISSN 2249-3247, Jan 2018.(UGC)

Dr. N. Deepa **ER-KFPSO: Energetic Routing Technique Based Kernel Fuzzy Latency Particle Swarm Optimization Algorithm in Wireless Sensor Network**, International Journal of Recent Technology and Engineering, Volume-8 Issue-6, Mar 2020. (Scopus indexed).

Dr.N.Deepa, **Link stability based energy aware backbone formation in mobile wireless sensor Networks**”, International journal of computer science and mobile computing, Volume Issue 1, Jan 2016. (UGC indexed)

Dr.N.Deepa **,Survey On Futuristic Alignment Of IT Processes Reference To India**, International Journal of emerging trends and Technology in Computer Science, Feb 2013.(UGC indexed)

Other Publications: International / National Journals

Dr.N.Deepa, **Energetic routing technique using latency wise promote node selection algorithm in WSN** , Journal of Emerging technologies and innovative Research, volume 6, ISSN-2349-5162 ,Feb 2019.

Dr.N.Deepa, **Molecular modeling studies in various drugs**, Journal of Emerging Technologies and Innovative Research, Volume 6, (ISSN-2349-5162) Issue 6, June 2019.

Dr.N.Deepa **Performance analysis for reducing File download time through peer to peer network**, Coimbatore institute of Information technology: ISBN 978-1-4675-4605-5,Sep 2012.

Book Publications

C-Programming, Raasi Enterprises 2022, ISBN: 978-81-962056-4-5.

Bio informatics standard operating system procedured for biological sequence analysis, Blue Hill publisher 2019, ISSN 9788193993613.

Biological data Analysis, Blue Hill Publishers 2019, ISBN: 9-788194-294047.

Recent Trends in Computing Technologies, Blue hill publisher 2018, ISSN-9-788193-708873.

Bioinformatics for beginners lab manual, Bioinformatics for beginners lab manual, Blue hill publisher 2018, ISSN: 9788193708828.

Presentations in Conference

Analysis of malicious content used for hijacking accounts, International conference on recent trends in Computer Science and Data Analytics, KPR College of Arts and science and research, Coimbatore, 03-Feb-2023-04-Feb-2023.

Data Visualization in Business Intelligence, National Conference on Industry 4.0: Current Perspective, PSGR Krishnammal College for Women, Coimbatore, 18-03-21.

Wearable technologies for the present comfort and secure future: implementation on a different domain, pro and cons, National Conference on Industry 4.0 : Current Perspective, PSGR Krishnammal College for Women, Coimbatore, 18-03-21.

Software testing tactic with intelligent retrieval in iot enactment ", Received Best paper award, International Conference on Research trends in computing technologies Dr. N.G.P. Arts and Science College, Coimbatore, 28-Feb-20.

An IoT deployed wearable sensor network for environment and Health monitoring, National Conference on Advanced Computing, Bharathiyar University, Coimbatore, 23-Jan-2020.

A comparative study of Various energy efficient techniques used in wireless sensor networks, International Conference on emerging Social, Mobile, Analytics and cloud, Sri Ramakrishna College of Arts and Science for women, Coimbatore, 24-Jan-2018.

A Security Protocols in Wireless Sensor Network - A Survey, National Conference on Recent trends in computing Technologies, PSGR Krishnammal College for Women, Coimbatore, 10-Sep-2018.

Energetic routing technique using latency wise promote node selection algorithm in WSN, International Conference on Research Trends in Computing Technologies, Dr. N.G.P. Arts and Science College, Coimbatore, 09-Aug-2018 to 10-Aug-2018.

Role play on impact of social networking sites, National Conference on emerging trends in Big data technologies and research issues, Dr. N.G.P. Arts and Science College, Coimbatore, 24-Feb-2017.

Classic data center in cloud computing, National Conference on emerging computer technology, Sri Ramakrishna Mission Vidyalyaya College of Arts and Science, Coimbatore, 23-Sep-2014.

Reducing File downloading time in peer to peer network, International Conference on Emerging Technologies in Computer Science, Kathir College of Engineering and technology, Coimbatore, 24-Aug-2012.

Participation in Conference

National

Information and communication technologies for environmental sustainability, PSGR Krishnammal College for women ,Coimbatore, 05-Feb-16.

Participation in Seminars

Recent trends in Information technology, Sri Ramakrishna Mission vidyalaya College Of Arts and Science , Coimbatore,23-Mar-2009.

Blooming Trendz In Information Technology, Dr. SNS Rajalakshmi College Of Arts and Science, Coimbatore , 15-Feb-2008.

Participation in Workshop

One Day Workshop on **Outcome Based Education (OBE)**, y Dr. N.G.P Arts and Science College, Coimbatore, 04-Mar-2023

International Workshop on **Augmented reality**, PSGR **Krishnammal College for Women, Coimbatore**, 21-Feb-2023.

The Art of defining research problem/Questions and awareness intellectual property rights”, PSGR Krishnammal College for women, Coimbatore, 24 Oct -2019.

Cloud computing, Dr.N.G.P Arts and Science College, Coimbatore, 11 June-2019 to 17 June 2019.

VETINFORMATICS” in TANUVAS, Chennai, 12-Mar-2018-16-Mar-2018.

Software testing tool, KGiSL-IIM, Coimbatore, 07-Aug-2009.

Participation in Orientation Programme / Short Term Courses

Java and Web Technologies Crash Course, Loyola-ICAM College of Engineering and Technology (LICET), Chennai. , 02-Jun-2017 to 03-Jun-2017.

Participation in Faculty Development Programme

Emotional Intelligence, Dr. N.G.P. Arts and Science College, Coimbatore, 15-Dec-2022 to 17-Dec-2022.

Art and Effective teaching, PSGR Krishnammal College for women, Coimbatore, 12 Feb-20.

Android Mobile Application development using Kotlin, PSGR Krishnammal College for women, Coimbatore, 16 Aug- 19.

Data analytics and its Applications in Biotechnology, Dr.N.G.P Arts and Science College, Coimbatore ,14 Feb -2019 to 15-Feb- 2019.

Cloud infrastructure & services, Avinashilingam University, Coimbatore, 28-Apr-14 to 03-05-14.

Oracle 10g, KGiSL-IIM, Coimbatore, 19 Sep- 2009

Conference / Seminar / Workshop Organized

Organized Member, International Conference on Artificial Intelligence In Modern Business Era ,Dr.N.G.P Arts and Science college, Coimbatore.17-Feb-2023

Organizing Secretary, National Conference on “Information and communication technologies for environmental sustainability”, PSGR Krishnammal College for women, 05 Feb- 2016.

Invited Speaker / Session Chair- Conference / Seminar / Workshop

Invited Speaker, Guest Lecture on R Programming, Pioneer Of Arts and Science College, Coimbatore, 10-Jan-19.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Indian science congress	Life-time	1 year