

Name : Dr.R.PRABA

Designation : Assistant Professor

Department : Information Technology

Qualification : MCA.M.Phil.,Ph.D.

Experience : Teaching: 8.4 Years Research:8 Years

Area of Specialization(s) :Advanced Networking, Internet of Things, Python Programming

Email(OfficialID) :praba@drngpasc.ac.in



Academic Qualifications

Degree	Branch	Institution/UniversityName	Yearof Graduation
Ph.D.	Computer Science	Bharathiar University, Coimbatore	2021
M.Phil.	Computer Science	Navarasam Arts &Science College, Erode	2012
MCA	Computer Applications	Maharaja Engineering College, Avinashi	2009
B.SC	Maths with Computer Applications	NavarasamArts &ScienceCollege, Erode	2006

Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/Agency Name	Year
Online Certificate	Introduction to Internet of Things	NPTEL	2021
Online Certificate	Enhancing Soft Skills and Personality Elite+Silver	NPTEL	2020
Online Certificate	A I for everyone	Coursera	2020

Research Publications (Indexed)

International

- R.Praba, S.Subasree, N.K.Sakthivel, **Energy Aware based Cooperative Multipath Routing Protocols for MANET**, International Journal of Research in Electronics and Computer Engineering, ISSN:2348-2281 Volume7 Issue 2, Apr-Jun19
- R.Praba, S.Subasree, N.K.Sakthivel, **Powerload Aware Multipath Routing Protocols for MANET**, International Journal of Engineering and Technology 7(4)(18), Page No.5977-5982 (Indexed in SCOPUS).
- R.Praba, S.Subasree, N.K.Sakthivel, Performance Analysis of Energy Efficient Multipath Routing Protocol in MANET, International Journal of Pure and Applied Mathematics, Volume117No.9,17, PageNo.163-167, ISSN1311-8080, (Indexed in SCOPUS).

Other Publications: International/ National Journals

- R. Praba, **Study on Machine Learning Algorithms**, International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), Volume 7(4), Jul-2021, ISSN: 2456-3307.
- R.Praba, **Study on Impact of Big Data On Social Media**, International Journal of Scientific Research in Engineering and Management (IJSREM), Volume 5(6), Jun-2021, ISSN:2582-3930.
- R.Praba, **Study on Data Science Basics with Python Concepts**, International Journal of Scientific Research in Engineering and Management (IJSREM), Volume 4(12), Dec-2020, ISSN:2582-3930
- R. Praba, **Wireless Sensor Networks with Minimum Utilization and Maximum Life Time under Joint Routing**, International Journal of Engineering Sciences and Research Technology, Volume3(1), Jan-14, ISSN:2277-9655.

Grants Applied

Event Title	Agency	Amount	Date
One Day National Seminar on "Blockchain Technology Assures Digital Transformations for Business-Leading Edges, Enactment and Impairment"	ICSSR, New Delhi	Rs. 1,50,000	24.07.2022
ICSSR Major Projects Evaluating the Impact of Women Online E-Business in Western Region	ICSSR, New Delhi	Rs.11,00,000	12.10.2022

of Tamil Nadu for Upliftment of their Socio-Economic Status			
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Books Published

- R. Praba, **Wireless Sensor Networks under Joint Routing** in Advanced Networking, LAMBERT Academic Publishing, ISBN: 978-620-4-98048-5

Patent Published

- R. Praba, **An IoT based system to analyze the real-time collapsing probability of structures**

Presentations in Conference

- **A Non-Intrusive Research to Inspect the GraphicAttention Data on Revelation to a Brand using Bye-Tracking**, National Conference on Advanced Computing Scineces, Dr.N.G.P.Arts and Science College, Coimbatore, 16-Mar-23
- **Exploring Augmented Reality Applications in Defence Sector**, National Conference on Advanced Computing Scineces, Dr.N.G.P.Arts and Science College, Coimbatore, 16-Mar-23
- **Comparisons of Routing Protocols in MANET**, NationalSeminar on Computing Platforms for Biological BigData Analytics,Dr.N.G.P.Arts and Science College,Coimbatore,05-Feb-20 and 06-Feb-20.
- **Efficient security for cloud data using delegation mechanism and different encryption algorithms**, National Conference on “New Innovations in Computer Science”, Dr.SNS Rajalakshmi College of Arts and Science, Coimbatore,28-Feb-14.

Participation in Conference

International

- **Research Trends in Computer Technologies**, Dr.N.G.P. Arts and Science College, Coimbatore, 30-Jan-14 and 31-Jan-14.

Participation in Seminars

- **Cyber Security Awareness and Defense Techniques**, Dr.N.G.P. Arts and Science College, Coimbatore, 25-Aug-14.
- **Emerging Trends and Challenges of Pervasive Computing in Sensor Network Applications**, Vivekanandha Institute of Information and Management Studies, Tiruchengode, 11-Aug-11 and 12-Aug-11.

Participation in Workshop

- **Outcome Based Education**, Dr. N.G.P. Arts and Science College, & ipsr Solutions Limited, Coimbatore, 04-Mar-2023
- **Artificial Intelligence and Machine Learning**, Jansons Institute of Technology, Coimbatore, 23-Jan-2020 and 24-Jan-2020.
- **Network Simulators NS2 and NS3**, Kongu Engineering College, Erode, 02-Sep-16 and 03-Sep-16.
- **WEKA (Data Mining Open-Source Tool)**, Kongu Arts and Science College, Erode, 14-Feb-14 and 15-Feb-14.
- **WIPRO Mission 10X-Enhancing Teaching Skills Workshop**, Dr.N.G.P.Arts and Science College, Coimbatore, 06-Aug-13 to 08-Aug-13.
- **WIPRO Mission 10X**, Gnanamani College of Technology, Namakkal, From 31-Jan-11 to 04-Feb-11.

Participation in Faculty Development Programme

- **Big Data Analytics and Business Intelligence**, Nehru Institute of Engineering & Technology, Coimbatore, 27-Sep-21 to 01-Oct-21.
- **Framework for Internet of Things (IoT) Applications**, Dr. N.G.P. Arts & Science College, Coimbatore, 21-Sep-21 to 24-Sep-21 & 28-Sep-21 to 30-Sep-21.
- **Emerging Trends in Computing and Informatics**, Hindustan College of Arts & Science, Coimbatore, 22-Sep-21 to 28-Sep-21.

- **Teaching and Learning in Digital Era**, PPG College of Arts & Science, Coimbatore, 16-Aug-21 to 20-Aug-21.
- **Outcome Based Education & NBA Accreditation**, Nehru Institute of Engineering & Technology, Coimbatore, 12-Aug-21 and 13-Aug-21.
- **Ability and Inability of AI**, AICTE Training and Learning (ATAL) Academy, 21-Jun-21 to 25-Jun-21.

Conference/ Seminar/ Workshop Organized

- **Organizing Committee member**, National DST-SERB sponsored symposium on Cyber security in Healthcare, Dr. N.G.P. Arts and Science College, Coimbatore, 13-May-22
- **Organizing Committee member**, 2nd National Virtual Conference on Applications of Deep Learning in Artificial Intelligence (NCDAH-2021)
- **Organizing Committee member**, Second International Conference on Research Trends in Computing Technologies (ICRTCT-2020), Dr. N.G.P. Arts and Science College, Coimbatore, 28-Feb-20 and 29-Feb-20
- **Organizing Committee Member**, National Seminar on Computing Platforms for Biological Big Data Analytics, Dr. N.G.P. Arts and Science College, Coimbatore, 05-Feb-20 and 06-Feb-20.
- **Organizing Committee member**, National Level Technical Symposium on TECHTRIX-2020, Dr. N.G.P. Arts and Science College, Coimbatore, 03-Feb-20.

Invited Speaker

- Invited Speaker, Webinar- IoT and its Applications, Selvamm Arts & Science College, Namakkal, 20-Apr-21

Extra Curricular Activities

- NSS Programme Officer (UNIT-II) of Dr. N.G.P. Arts and Science College from 13.10.22 to till date
- IQAC Member of Dr. N.G.P. Arts and Science College from June 2023 to till date

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Teaching and Education Research Association	Member	Life-time
IRED	Life-time	Life-time
Computer Society of India	Life-time	3 Years