Name	**:Dr.R. PRABA**
Designation	: Associate Professor
Department	: Information Technology
Qualification	: MCA. M.Phil., Ph.D.
Experience	: Teaching: 10.5 Years Research:8 Years

Area of Specialization(s) : Advanced Networking, Internet of Things, Artificial Intelligence

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

AcademicQualifications

Degree	Branch	Institution/UniversityName	Yearof Graduation
Ph.D.	Computer Science	BharathiarUniversity,Coimbatore	2021
M.Phil.	Computer Science	NavarasamArts&ScienceCollege,Erode	2012
MCA	ComputerApplications	MaharajaEngineeringCollege,Avinashi	2009
B.SC	Maths withComputerApplications	NavarasamArts&ScienceCollege,Erode	2006

AdditionalQualifications

Diploma/Vocational/ Certification	Area ofSpecialization	Institution/University/AgencyName	Year
OnlineCertificate	Introduction toInternetofThings	NPTEL	2021
OnlineCertificate	EnhancingSoftSkillsand Personality Elite+Silver	NPTEL	2020
OnlineCertificate	AIforeveryone	Coursera	2020

ResearchPublications(Indexed)

International

- R. Praba, **Design and Development of Energy Efficient Multipath Routing Protocol for Mobile Ad-hoc Network,** Tuijin Jishu/Journal of Propulsion Technology, Volume 44 (6), Dec-23, ISSN:1001-4055

- R. Praba, **Cyber Crime and Media Awareness in India,** International Journal of Innovative Research in Technology (IJIRT), Volume 10 (4), Sep-2023, ISSN: 2349-6002

- R. Praba, **Landmine Detection Through Drones in Underwater,** Journal of Emerging Technologies and Innovative Research (JETIR), Volume 7(10), Jul-2023, ISSN: 2349-5162

- R. Praba, **Impact of Artificial Intelligence Tools in Social Media,** Journal of Emerging Technologies and Innovative Research (JETIR), Volume 7 (10), Jul-2023, ISSN: 2349-5162

- R. Praba, **Study on Machine Learning Algorithms**, International Journal of Scientific Research inComputerScience,EngineeringandInformationTechnology(IJSRCSEIT), Volume7(4),Jul-21, ISSN:2456-3307

- R. Praba,**StudyonImpactofBigDataonSocialMedia,**InternationalJournalofScientificResearchinEngineeringandManagement(IJSREM),Volume5(6),Jun-21, ISSN:2582-3930

- R. Praba**,**S. Subasree,N.K. Sakthivel,**EnergyAwarebasedCooperativeMultipathRouting Protocols for MANET**, International Journal of Research in ElectronicsandComputerEngineering,ISSN:2348-2281Volume7Issue 2,Apr-Jun19

- R. Praba**,** S. Subasree, N.K. Sakthivel, **Powerload Aware Multipath Routing Protocols forMANET**,InternationalJournalofEngineeringandTechnology7(4)(18),Page No.5977-5982(IndexedinSCOPUS)

- R.Praba, S. Subasree,N.K. Sakthivel, Performance Analysis of Energy Efficient MultipathRoutingProtocolinMANET,InternationalJournalof PureandAppliedMathematics,Volume117No.9,17,PageNo.163-167,ISSN1311-8080,(IndexedinSCOPUS).

OtherPublications:International/NationalJournals

- R. Praba, **Study on Data Science Basics with Python Concepts,** International Journal ofScientificResearchinEngineeringandManagement(IJSREM),Volume4(12),Dec-2020,ISSN:2582-3930

- R. Praba, **Wireless Sensor Networks with Minimum Utilization and Maximum LifeTime under Joint Routing**, International Journal of Engineering Sciences and ResearchTechnology,Volume3(1),Jan-14,ISSN:2277-9655.

GrantsApplied

EventTitle	Agency	Amount	Date
OneDayNationalSeminaron"BlockchainTechnologyAssuresDigital Transformations for Business-LeadingEdges,Enactmentand Impairment"	ICSSR, NewDelhi	Rs.1,50,000	24.07.2022
ICSSRMajorProjects Evaluatingthe ImpactofWomenOnlineE-BusinessinWesternRegion ofTamilNaduforUpliftmentoftheirSocio-Economic Status	ICSSR, NewDelhi	Rs.11,00,000	12.10.2022

BooksPublished

- R.Praba, **Beginners Guide: PHP Programming**,LAMBERTAcademicPublishing,2024,ISBN:978-620-7-48696-0.
- R.Praba, **Wireless Sensor Networks under Joint Routing** in Advanced Networking, LAMBERT Academic Publishing, 2022,ISBN:978-620-4-98048-5.

PatentPublished

- R.Praba, **AnIoTbasedsystemtoanalyzethereal-timecollapsingprobabilityofstructures**

PresentationsinConference

- **Cyber-Physical Systems,** International Conference on Computational Intelligence and Communication Technologies, 03-Jan-2025, Dr.N.G.P. Arts and Science College, Coimbatore
- **Safeguarding Privacy for Cloud Computing's Encrypted Data using Association Rule Mining Algorithm and FP Growth Algorithm,** IEEE Delhi Section Flagship Conference (DELCON), Nov-24, ISBN:979-8-3315-1859-2
- **Effect of Virtual Reality Based Training to Improve the Performance of Students,** NationalConferenceon Emerging Trends in Artificial Intelligence, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 20-Feb-24

- **Effect of Virtual Reality Based Training to Improve the Performance of Students,** NationalConferenceon Emerging Trends in Artificial Intelligence, Sengamala Thayaar Educational Trust Women's College, Mannargudi, 20-Feb-24

- **A Non-Intrusive Research to Inspect the GraphicAttention Data on Revelation to a B r a n d u s i n g B y e - T r a c k i n g**, N a t i o n a l C o n f e r e n c e o n AdvancedComputingSciences,Dr.N.G.P.ArtsandScience College,Coimbatore,16-Mar-23

- **Exploring Augmented Reality Applications in Defence Sector**,NationalConferenceonAdvanced Computing Sciences, Dr.N.G.P.Arts and Science College, Coimbatore, 16-Mar-23

- **ComparisonsofRoutingProtocolsinMANET**,NationalSeminaronComputingPlatformsforBiological BigdataAnalytics,Dr.N.G.P.ArtsandScienceCollege,Coimbatore,05-Feb-20and06-Feb-20

- **Efficient security for cloud data using delegation mechanism and different encryptionalgorithms,**National Conference on "New InnovationsinComputerScience",Dr.SNSRajalakshmiCollegeofArtsandScience,Coimbatore,28-Feb-14.

ParticipationinConference

International
- **ResearchTrendsinComputerTechnologies**,Dr.N.G.P.ArtsandScienceCollege,Coimbatore,30-Jan-14and31-Jan-14

ParticipationinSeminars

- **CyberSecurityAwarenessandDefenseTechniques**,Dr.N.G.P.ArtsandScienceCollege,Coimbatore,25-Aug-14

- **EmergingTrendsandChallengesofPervasiveComputinginSensorNetworkApplications**,VivekanandhaInstituteofInformationandManagementStudies,Tiruchengode,11-Aug-11and12-Aug-11

ParticipationinWorkshop

- **Cyber Security,** Dwaraka Doss Goverdhan Doss Vaishnav College, 07-Aug-23 to 22-Aug-23.

- **OutcomeBasedEducation**,Dr.N.G.P.ArtsandScienceCollege,&ipsrSolutionsLimited,Coimbatore, 04-Mar-2023

- **Artificial Intelligence and Machine Learning**, Jansons Institute of Technology,Coimbatore, 23-Jan-2020and24-Jan-2020.

- **NetworkSimulatorsNS2andNS3**,KonguEngineeringCollege, Erode,02-Sep-16and03-Sep-16.

- **WEKA (Data Mining Open-Source Tool)**, Kongu Arts and Science College, Erode, 14-Feb-14and15-Feb-14.

- **WIPROMission10X-**

EnhancingTeachingSkillsWorkshop,Dr.N.G.P.ArtsandScienceCollege,Coimbatore,06-Aug-13to08-Aug-13.

- **WIPROMission10X**,GnanamaniCollegeofTechnology,Namakkal,From31-Jan-11to04-Feb-11.

ParticipationinFacultyDevelopmentProgramme

- **Big Data Analytics and Business Intelligence**, Nehru Institute of Engineering &Technology,Coimbatore,27-Sep-21to01-Oct-21.

- **Framework for Internet of Things (IoT) Applications**, Dr. N.G.P. Arts & ScienceCollege,Coimbatore,21-Sep-21to24-Sep-21&28-Sep-21to30-Sep-21.

- **EmergingTrendsinComputingandInformatics**, HindustanCollegeofArts&Science,Coimbatore,22-Sep-21to28-Sep-21.

- **TeachingandLearninginDigitalEra,**PPGCollegeofArts&Science,Coimbatore,16-Aug-21to20-Aug-21.

- **OutcomeBasedEducation&NBAAccreditation,**NehruInstituteofEngineering&Technology,Coimbatore,12-Aug-21and13-Aug-21.

- **AbilityandInabilityofAI,**AICTETrainingandLearning(ATAL)Academy,21-Jun-21to25-Jun-21.

Conference/Seminar/WorkshopOrganized

- **OrganizingCommitteemember**,NationalDST-SERBsponsoredsymposiumonCyber security in Healthcare, Dr. N.G.P. Arts and Science College, Coimbatore,13-May-22

- **Organizing Committee member,**2ndNational Virtual Conference on Applications ofDeepLearninginArtificialIntelligence(NCDAH-2021**)**

- **Organizing Committee member**, Second International Conference on Research TrendsinComputingTechnologies(ICRTCT-2020),Dr.N.G.P.ArtsandScienceCollege,Coimbatore,28-Feb-20and29-Feb-20

- **Organizing Committee Member**,National Seminaron Computing Platforms for Biological Big Data Analytics, Dr. N.G.P. Arts and Science College, Coimbatore,05-Feb-20and06-Feb-20.

- **OrganizingCommitteemember**,NationalLevelTechnicalSymposiumonTECHTRIX-2020,Dr.N.G.P.ArtsandScienceCollege,Coimbatore,03-Feb-20.

InvitedSpeaker

- Invited Speaker, Seminar on Lifelong Learning Through Digital Age, United College of Arts & Science, Coimbatore, 22-Jul-24.

- InvitedSpeaker,Leveraging IoT Technologies for Industrial Transformation,Sri Krishna Arts&ScienceCollege,Coimbatore,19-Feb-24

- InvitedSpeaker,Webinar-IoTanditsApplications,KonguArts&ScienceCollege,Erode, 25-Aug-23

- InvitedSpeaker,Webinar-IoTanditsApplications,SelvammArts&ScienceCollege,Namakkal,20-Apr-21

Extra-CurricularActivities

- NSSProgrammeOfficer (UNIT-II) of Dr.N.G.P. Arts and Science Collegefrom13.10.22totilldate
- State Republic Day Parade Camp, Contingent Leader from 17.01.2025 to 26.01.2025, VIT Chennai.

MembershipinProfessionalBodies

Nameofthe ProfessionalBody	Nature ofmembership	Duration
TeachingandEducationResearchAssociation	Member	Life-time
IRED	Life-time	Life-time
ComputerSocietyofIndia	Life-time	3Years
Green ThinkerZ Society	Life Time	July 2023 onwards
I2OR (International Institute of organized Research)	Life Time	July 2023 Onwards