

Name: P. MENAKA

Designation: Assistant Professor (SG)

Department: Information Technology

Qualification: M.C.A., M. Phil., (Ph. D.)

Experience: Teaching: 15 Years 11 Months Research: 9 Years

Area of Specialization(s): Data Mining

Email (Official ID): menaka@drngpasc.ac.in



Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D	Computer Science	Chikkanna Government Arts College, Tirupur	Pursuing
PG	M.Phil Computer Science	School of Distance Education, Bharathiar University	2009
PG	MCA	Dr.SNS Rajalakshmi College of Arts &Science	2004
UG	B.Sc Physics	Kongunadu Arts & Science College	2001

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Certification	NPTEL- Enhancing Soft Skills and Personality	MHRD-Govt of India	2020
Certification	NPTEL- Brief Introduction to Psychology	MHRD-Govt of India	2018

Research Guidance

Programme	No. of Scholars	
	Completed	Pursuing
M. Phil.	3	-

Research Publications (Indexed)

International:

- P.Menaka, M. Aishvariya Sri, U. S. Swetha, “ Research Travelogue on Applications of Augmented Reality”, International Journal of Engineering and Management Research, Vol 11, issue 6 (70-73), December 2021, 2250-0758.
- P.Menaka&Dr.K.Nandhini, “Prediction of Student performance using Intuitionistic Fuzzy Mean Shift Clustering boosted with Chaotic Cheetah Chase Algorithm”, Turkish Journal of Computer and Mathematics Education Vol.12 No.10 (2021), 3940-3947, April 2021 (Scopus).
- P.Menaka, B.M Shrinithi, “ Internet of Things An Answer to the Next Generation Automated World”, CiiT International Journal of Networking and Communication Engineering, Vol 13, No 1, January 2021, ISSN 0974-9713/ NCICP 2021
- P.Menaka, B.M Shrinithi, “ Water Level Monitoring System using Internet of Things”, International Journal of Engineering and Management Research, Vol-11, Issue-1, February 2021.(UGC)
- P.Menaka & Dr.K.Nandhini “ Enriched Model of Students Academic Performance Prediction based on their Learning Life Style using improved Fuzzy Min-Max Neural Classifier with Firefly Algorithm”, IJAST, Vol 29, Issue 5, August 2020(pg 14301-14316) (Scopus).
- SelvamohanThangavel, P.Menaka, “ Security And Privacy In Fog Computing Based On Multiparty Computation Using Smart Grid For Privacy Protection” IJETIE, Vol 6, Issue 3, March 2020 (pg :38-47) (UGC INDEXED)
- P.Menaka & Dr.K.Nandhini “ Performance Of Data Mining Classifiers On Kolb’s Learning Style Inventory”, Indian Journal of Science and Technology, Vol 12(23), June 2019 (Web of Science) ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645
- P.Menaka, K.Geetha, “ Review on Web Usage Mining and Data Preprocessing Techniques”, CiiT – Data Mining and Knowledge Engineering, Volume 10, No.1, 2018.

- P.Menaka&Dr.K.Nandhini, “Clustering Approaches Used In Educational Data Mining – A Research Travelogue”,IJIACS, Vol 6, Issue 7, July 2017, ISSN 2347-8616 (UGC Indexed). Ref. No IETED138.

Other Publications: International / National Journals

- P.Menaka, “Survey on right-protected data publishing with provable Distance-based mining”, International Journal of Advanced Research in Computer and Communication Engineering Vol. 4, Issue 11, November 2015
- P.Menaka,A. Prathimadevi “User Intention Based Image Search Using Clusters With Cross Refernce Reranking Result”, International Journal of Advanced Research in Computer Science and Software Engineering, Volume 5, Issue 11, November 2015 ISSN: 2277 128X
- P.Menaka, “Survey On Right-Protected Data Publishing With Provable Distance-Based Mining”, Vol 4, Issue 11, Nov 2015, ISSN(online): 2278-1021, ISSN(print) : 2319-5940. Certificate No: 17148/IJARCEE.2015.41129.
- P.Menaka, A. Prathimadevi, “A Survey on Web Mining and Its Techniques” , International Journal of Advanced Research in Computer Science and Software Engineering, Volume 5, Issue 9, September 2015
- P.Menaka, “Identify And Destroy Cancer Cells Using Nano Technology”, International Journal of Advanced Research in Computer and Communication Engineering, IJARCEE Certificate No: V3141D29-3/5, Volume 3, Issue 4, and April 2014.

Presentations in Conference

- P.Menaka, Megalai, Kalaivani. R, Megalai.S, “Why Healthcare Is The Biggest Target For Cyberattacks”, Presented in DST-SERB Sponsored National Symposium on Cyber Security in Healthcare, held on 13th May 2022 organized by the Department of Information Technology, Dr.N.G.P. Arts and Science College, Coimbatore.
- P.Menaka, “Future of Robotics”, Presented in National Conference on on 18 & 19 March 2021 Organized by the Department of Computer Applications, PSGR Krishnammal College for Women, Coimbatore.
- P.Menaka, “ Internet of Things An Answer to the Next Generation Automated World”Presented in National Conference on on 18 & 19 March 2021 Organized by the Department of Computer Applications, PSGR Krishnammal College for Women, Coimbatore

- Lock door - A Penetrating Testing Framework, 2nd NATIONAL VIRTUAL CONFERENCE ON APPLICATIONS OF DEEP LEARNING IN ARTIFICIAL INTELLIGENCE FOR HEALTHCARE (NCDHAH-2021) organized by the Department of information Technology, Dr. N. G.P. Arts and Science College, Coimbatore, on 25th March 2021
- Review on Big Data Analytics, National Seminar on Computing Platforms for Biological Big Data Analytics”, Organized by Department of Information Technology &Microbiology, Dr. N. G. P Arts and Science College, Sponsored by Science and Engineering Board(SERB) on Feb 05-06, 2020.
- Review on Data Mining, National Seminar on Computing Platforms for Biological Big Data Analytics”, Organized by Department of Information Technology &Microbiology, Dr. N. G. P Arts and Science College, Sponsored by Science and Engineering Board(SERB) on Feb 05-06, 2020.
- Review on Data Mining Tools, Third National Conference on Advance Computing (NCAC-2020), organized by Department of Computer Science, Bharathiar University, Coimbatore on 23-Jan-2020 to 24-Jan-2020.
- Review On Open Source Technologies And Prospects, DBT STAR College Sponsored International Conference on Future Networking- Internet of Everything, Organized by PG &Research Department of CS, BCA, CT,IT, Hindusthan College of Arts and Science, Coimbatore on 21st March 2019.
- Devops For Digital Enterprises, International Conference on Research Trends in Computing Technologies ICRTCT-18, organized by Faculty of Computer Science on 9-Aug- 2018to 10-Aug-2018.
- Review on Web Usage Mining and Data Preprocessing Techniques, two day International Conference on Innovations in Computer Science and Information Technology (ICICSIT’18) held on 8-Feb-2018 to 9-Feb-2018.
- Clustering Approaches Used In Educational Data Mining –A Research Travelogue, 7th International Conference on Engineering Technology, Science and Management Innovation (ICETSMI-2017) on 16-July-2017.
- A Study On Product Usability Evaluation And Feature Fatigue Analysis Methods For Online Product, National Conference on Data Mining and its Applications organized by the Department of Information Technology at P.S.G.R. Krishnammal College for Women on 4-Feb-2017.
- Clusters And Its Classification, International Conference on “Computing Technologies and its Applications” – ICCTA’16 at Dr.R.V. Arts and Science College, Karamadai, on 12-Feb-2016

- Sixth Sense In Mobile Computing, National Conference on the Wireless Communication organized by the Department of BCA at P.S.G.R. Krishnammal College for Women on 29-Jan-2015.
- Data Reduction Techniques In Wireless Sensor Networks, National Conference Information and Image Processing at Sankara College of Science and Commerce, Coimbatore, organized by the department of Computer Science on 27-Feb-2015.
- Text Mining In Application, National Conference “Information and Image Processing on at Sankara College of Science and Commerce, Coimbatore, organized by the Department of Computer Science on 27-Feb-2015
- A Study Of Cyber Security Trends & Challenges In Society, National Conference Conducted by the department of Computer Science, Dr. S.N.S .Rajalakshmi College of Arts & Science on 28-Feb-2014.
- A Study On Applications Of Data Mining Techniques In Health Care, International Conference conducted by Department of Computer Technology, Dr.N.G.P.Arts& Science College, and Coimbatore on 30-Jan-.2014to 31-Jan-2014.
- 4G Wireless Communications & Its Technologies, National Conference at Sri Krishna Arts & Science College, Coimbatore on 30- Aug-2013.
- Techniques To Be Impart In The Enhancement Of Online Teaching, National Conference Conducted by Dr.N.G.P. College of Education at Dr.N.G.P. Arts & Science College on 9-Dec-2011 to 10-Dec-2011

Participation in Conference

National:

- National Conference on Emerging Education Models for 21st Century Learner (NCEEM-2015), organized by Association of Principles of Colleges of Bharathiar University at Dr.N.G.P. Arts and Science College on 1- Aug- 2015.

Participation in Seminars

- DST-SERB Sponsored National Symposium on Cyber Security in Healthcare, organized by the Department of Information Technology, Dr.N.G.P.Arts and Science College, on 13th May 2022.

- DST-SERB Sponsored National Seminar Computing Platforms for Biological Big Data Analytics (NSCB-2K20), Organized by Department of Information Technology & Department of Microbiology, Dr.N.G.P.Arts and Science College, on 05-Feb-2020 to 06-Feb-2020.
- Applications of Deep Learning in Artificial Intelligence (NSDA-2019), Organized by Department of IT, Dr.N.G.P.Arts and Science College, on 25-Sep-2019.
- Cyber Security Awareness and Defense Techniques, Dr.N.G.P.Arts and Science College, on 25-Aug- 2014.
- Research Publication and Evaluation: Writing Research Papers, Citation Analysis and Plagiarism, Chikkanna Government Arts College, Tirupur on 7- Oct- 2016.

Participation in Workshop

- Three days' workshop on machine learning with Scikit Learn, Keras and Tensor Flow, Organized by Sri Ramakrishna Engineering College, Coimbatore from 17-May 2021 to 19-May 2021.
- Two days National Level Workshop on Machine Learning Techniques, Organized by the Department of Computer Applications, Coimbatore Institute of Technology, Coimbatore during 03-Jan-2020 to 04-Jan-2020.
- Hands-on Training on Mobile Application Development, Organized by Department of CS & IT, Dr.N.G.P. Arts and Science College, from 11-July 2019 to 12-July-2020
- One Day Workshop On Matlab For Solving Research Problems, Centre for Research & Post Graduate and Research department of Computer Science, Dr.N.G.P.Arts and Science College, on 31- July-2017.
- State Level Workshop on Applications Of Statistical Tools Using R-Language – A Hands On Training, Department of Mathematics, Dr.N.G.P. Arts and Science College (Autonomous) during 23-Sep2016 to 24- Sep- 2016.
- Nation level workshop on Data Mining Tools (Weka, RapidMiner, & R), at Dr.N.G.P. Institute of Technology, Sponsored by Indian Society for Technical Education (TN & P Section), on 29 Dec- 2014 to 30- Dec- 2014.
- National Workshop on Software Testing, organized by the department of Information Technology, Dr.N.G.P. Arts and Science College on 22- Feb 2014.

Participation in Orientation Programme / Short Term Courses

- How to Do Research In Computer Science, at Hindusthan College of Arts and Science, Coimbatore on 21- Jan- 2015.
- IBM Mainframe – Z/OS, organized by Dr. N.G.P. Arts & Science College, training program from June 2012 to Dec 2012

Participation in Faculty Development Programme

- Five days FDP on “Recent Trends in Computing”, conducted through online by Shri Narayana Guru College, Coimbatore, 8th Dec 21 to 12 Dec 21
- National Level FDP on “ CloudComputing”, conducted through online by Sri Krishna Arts and Science College, Coimbatore from 29th Nov 21 to 8th Dec 21.
- “Research Issues in Machine Learning and Artificial Intelligence, conducted through online by Pollachi College of Arts and Science, Pollach from 1st Nov 21 to 3rd Nov 21
- National Workshop- Data Analytics using R conducted through online by, PSGR Krishnammal college for women on 12th Oct 21
- Online FDP on Research Methodology and Pedagogy for Tertiary Education conducted by Dr.N.G.P Arts and science College from 15th June 21 to 21 June 21
- Six days online training programme on “MAT LAB”, conducted through online by Digital Career Entrepreneurship Hub project of MHRD, BU RUSA Phase II, Dept. of Computer Applications, Bharathiar University during 10.3.21 to 17.3.21.
- Artificial Intelligence and Machine Learning in Biological Data Analysis, organized by the Departments of Computer Science, Information Technology and Computer Applications, PSGR Krishnammal Collee for Women on 29.03.2021.
- Digital Teaching Techniques, organized by ICT Academy from 03.08.20 to 08.08.20.
- One Week faculty development programme on “Being a Super Teacher”, organized by Bannari Amman Institute of Technology, from 06.07.20 to 12.07.20.
- Five days faculty development programme on “E-Content Development” organized by Angappa College of Arts and Science, Coimbatore from June 22, 2020 to June 26, 2020
- Five days faculty development programme on Python 3.4.3 organized by Sathyabama Institute of Science and Technology, Chennai, in association with IIT Bombay, from 04.05.20 to 08.05.20
- R training organized at Sri Ramakrishna College of Arts and Science College, Coimbatore in March 2020.
- PHP and MYSQL training organized at Dr.N.G.P. Arts and Science College Coimbatore in March 2020.
- Quality Measures In Higher Education, Organized by Consortium of Colleges through online (Google Meet) from April 13 - 20, 2020
- NAAC Revised Accreditation Frame Work and OBE Assessment Methodology, Organized by Faculty Development Cell & IQAC, Dr.N.G.P.Arts and Science College during 27-May- 2019 to 02-June-2019.
- Quality Measures In Higher Education, Organized by the Faculty Development Cell, Dr.N.G.P.Arts and Science College(Autonomous), Coimbatore during 3-Dec-18 to 9-Dec-18.
- Stress Management, Conducted by ICT Academy at Sri Jayendra Sarawathy Maha Vidyalaya of Arts and Science College, Coimbatore on 12-July to 13- July 2018.
- Machine Learning, Organized by the department of Computer science, Bharathiar University, Coimbatore, 30-Jan-2019 to 01 – Feb -2019.

Conference / Seminar / Workshop Organized

- Organizing Secretary, Applications of Deep Learning in Artificial Intelligence (NSDA-2019), Organized by Department of IT, Dr.N.G.P.Arts and Science College, on 25-Sep-2019.

- Organizing Secretary, National Conference on Computer Communication and Information Technology, Dr. N.G.P. Arts and Science College, Coimbatore, 28-Sep-16.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
International Association of Engineers (IAENG)	Life-time	-