

Name : K.P.Mangani
Designation : Assistant Professor
Department : Computer Science with Data Analytics
Qualification : M.C.A., M.Phil., (Ph.D.)
Experience : Teaching: 5.9 Years Industry: 1.2 Years Research: 3 Years
Area of Specialization(s) : Data Mining
Email (Official ID) : manganikp@drngpasc.ac.in



Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Computer Science	Dr. N.G.P. Arts and Science College, Coimbatore	Pursuing (thesis submitted)
M.Phil.	Computer Science	Periyar University, Salem	2009
MCA	Computer Applications	VVV College For Women, Madurai Kamaraj University	2003
B.Sc Comp.Science	Computer Applications	VVV College For Women, Madurai Kamaraj University	2000

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
Online Certificate	Machine Learning	NPTEL Certification	2022

Research Publications (Indexed)

International

1.K.P.Mangani, Dr. R.Kousalya , Estimating Mean Temperature with Multiphase for insurance payout by Rule Induction Algorithm”, Institute of Electrical and Electronics Engineers(IEEE) Xplore, Part Number:CFP19OSV-ART,2019 (Indexed in SCOPUS)published by University of Exeter.

2.K.P.Mangani, Dr. R.Kousalya, “Designing weather based crop insurance payout estimation based on agro-meteorological data using machine learning techniques “ , International Journal of Recent Technology and Engineering with Vol no.8 Issue-3,2019 (SCOPUS INDEXED) published by Academic Publication.

Other Publications: International / National Journals

- “Machine learning model for estimating agricultural crop insurance payout based on Air temperature, rainfall, and relative humidity”, Agricultural science and technology with Vol. 12, No 2, pages 165-170 ,2020,Published by Faculty of Agriculture, Trakia University, Bulgaria
- “Crafting an enhanced semantic grid in flood forecasting simulations” on International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), Vol. 3, Special Issue11, March 2016, ISSN 2394-3777
- “Web Services Used For Flood Forecasting” in International Journal of Trend in Research and Development (IJTRD), ISSN: 2394-9333.
- ”An Analytical approach on Data Mining in Agri-Clinics-A Survey”, International Journal of Science, Engineering and Management (IJSEM), Vol 2,Issue 12, December-2017.
- “Clustering of Crops for Determining the Seasonal Crop Insurance using Machine Learning Techniques”, CiiT International Journal of Automation and Autonomous System, Vol 10, No 1, January 2018
- .”Big Data Approach for Weather Based Crop Insurance ”,International Journal of Computer Sciences and Engineering,Vol-6, Special Issue-8, Oct 2018.
- ”Weather Based Prediction Model for Recommending the Crop Insurance using CART Algorithm, International Journal of Computer Trends and Technology (IJCTT) - Volume 67 Issue 4 - April 2019

Presentations in Conference

- “ Web Services Used for Flood Forecasting at International conference ”, Joseph Arts and Science College, Villupuram,2016.
- “An Analytical approach on Data Mining in Agri-Clinics-A Survey”, VPM College,Thoothukudi, 2017.
- ” Clustering of Crops for Determining the Seasonal Crop Insurance using Machine Learning Techniques“, Nehru Arts and Science College, Coimbatore,2018
- “ Crop insurance classifier model based on meteorological data using machine learning algorithm”, KalaignarKarunanidhi Institute of Technology, Coimbatore,2019
- “Architecture for Interactive Internet of Things to Estimate Optimal Mean Temperature with Multiphase in Crop Insurance Payout System”, SCAD Institute of Technology, Palladam, IEEE Xplore conference, 2019.

Participation in Conference

National

- Advanced Computing and IT Applications “Enterprise Mashup Services” at National Conference on ”” ,KGiSL-IIM,2008.
- “ Crafting an enhanced semantic grid in flood forecasting simulations at National Conference ” Krishna College of Engineering,2016.

International

- “ Web Services Used for Flood Forecasting at International conference ”, JosephArts and Science College, Villupuram,2016.
- “An Analytical approach on Data Mining in Agri-Clinics-A Survey”, VPM College,Thoothukudi, 2017.
- ” Clustering of Crops for Determining the Seasonal Crop Insurance using Machine Learning Techniques“, Nehru Arts and Science College, Coimbatore,2018
- “ Crop insurance classifier model based on meteorological data using machine learning algorithm”, KalaignarKarunanidhi Institute of Technology, Coimbatore,2019

- Third International conference on I-SMAC (IoT in Social, Mobile Applications and communications)“Architecture for Interactive Internet of Things to Estimate Optimal Mean Temperature with Multiphase in Crop Insurance Payout System”, SCAD Institute of Technology, Palladam, IEEE Xplore conference, 2019.

Participation in Seminars/Webinar

1. International Seminar in Advanced Information Technology” at CMS College,2008
2. National seminar in “Software Engineering and Testing”, at KGiSL-IIM,2010
3. Webinar in “ Research and IPR on Specification Preparation and Drafting”, Shri Shankarlal Sundarbhai Jain College for Women,Chennai,2022
4. Webinar in “ FDP series on journal writing on composing Effective Abstract”, Shri Shankarlal Sundarbhai Jain College for Women,Chennai,2022
5. Webinar in “ FDP series on Research and IPR on Drafting the claim”, Shri Shankarlal Sundarbhai Jain College for Women,Chennai,2022
6. Webinar in “ FDP series on journal writing on ”, Shri Shankarlal Sundarbhai Jain College for Women,Chennai,2022

Participation in Workshop

1. Data Analytics with R, Dr.N.G.P Institute of Technology,2018
2. Data Mining Tools ,Kongu Engineering College,2018.
3. Composing Thesis and Research Papers using Latex , Sri Krishna College of Technology,2018
4. Data Analysis Using R and Python(Hands on training), Sri Ramakrishna Engineering College,2018.
5. Deep Learning using Matlab, PSG College of Technology,2019
6. Recent Trends and Research Challenges in Artificial Intelligence, Machine Learning and Deep Learning(Python), (15 DAYS PROGRAMME) , PSG College of Technology,2019.
7. Big Data and Analytics -Transitions and Tools, G.R.D College of Science,2018
Ex: Web Designing Tools, Gandhi College of Arts and Science, Madurai, 12 to 13-Feb-16
8. Oracle 9i DBA, KGiSL-IIM, 2009
9. Advanced Java with Android, Krishna-Itech, 2016
10. SPPS Statistical Data Analytics, Sri Sankara college of Arts and Commerce,2017

Participation in Orientation Programme / Short Term Courses

- 1 .Recent Trends and Research Challenges in Artificial Intelligence, Machine Learning and Deep Learning(Python), (15 DAYS PROGRAMME) , PSG College of Technology, 2019.
2. Five Day IQAC FDP Series-2022 , Sankara College of Science and Commerce, Coimbatore, 24-Jan-22 to 29-Jan-2022

Participation in Faculty Development Programme

1. Quality Initiatives in Higher Education, Dr. N.G.P. Arts and Science College, Coimbatore, 3-Dec-18 to 9-Dec-18.
2. Big Data and Analytics –Transitions and Tools,GRD College ,2018.

Conference / Seminar / Workshop Organized

1.Assistance for Organizing Committee, National Conference on Computer communication and Information Technology, Dr. N.G.P. Arts and Science College, Coimbatore, 28-Sep-16.

2. Act as a Resource person and presented the topic “ Business Analytics with java “ , Govt Arts and Science College,Avinasi,Sep-2021.

Editorial / Review Board Member

1. Editorial Board Member, Asian Journal of Soil Science and Plant nutrition, since 2020.
2. Editorial Board Member, Asian Journal of Research in Computer Science, since 2020.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
ISSE	Life-time	-

Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
➤ Best Research Review paperAward	Dr.N.G.P. Arts and Science College.	2018
➤ Best Paper Award in IEEEConference	SCAD Institute of Technology, Palladam	2019
➤ Sun Certification in Java Programming, 2009.	Sun Java Systems	2009
➤ International Auditor Training Program	TUV Certification	2015