

**Name : Dr.P.Deepika**

**Designation : Associate Professor**

**Department : Artificial Intelligence and Machine Learning**

**Qualification : M.Sc(CS)., M.Phil., Ph.D.,**

**Experience : Teaching – 11 Years 10 months | Research – 10 Years | Industry - Nil**

**Specialization: Machine Learning, Internet of Things**

**Email (Official):deepika.p@drngpasc.ac.in**



#### Academic Qualifications

Degree	Branch	Institution / University Name	Year
Ph.D.	Computer Science	Hindusthan College of Arts and Science	2022
M.Phil.	Computer Science	Dr N.G.P. Arts and Science College	2014
M.Sc(CS)	Computer Applications	Dr N.G.P. Arts and Science College	2012
BCA	Computer Applications	PSGR Krishnammal College for Women	2010

#### Additional Qualifications

Dip. / Cert.	Area of Specialization	Institution / Agency Name	Year
Certificate	Software Testing	Swayam-NPTEL	2025
Certificate	Natural Language Processing : Getting Started with NLP	Infosys Springboard	2025
Certificate	Artificial Intelligence and Machine Learning	Infosys Springboard	2024
Certificate	Deep Learning for	Infosys Springboard	2024
Certificate	MATLAB onramp	MATLAB	2024
Certificate	Introduction to Machine	Swayam-NPTEL, Ministry of	2024
Certificate	Learn IoT through	E& ICT, IIT Kanpur	2020
Certificate	Machine Learning	E& ICT, IIT Kanpur	2019
Certificate	Data Analytics-	Alison	2018

Certificate	Introduction to Data and	Udemy	2018
Certificate	Python Programming for	Udemy	2018
Certificate	Introduction to Internet of	Udemy	2018
Certificate	DTP and Multimedia	Bharathiar University	2008
Diploma	DTP and Multimedia	Bharathiar University	2009

## Projects

Project Title	Agency	Amount	Period	Status
Anticipation & Identification of Diabetes Mellitus Using J48 Decision Tree	SEED MONEY	7,500	2020-2021	Completed
Survey & Analysis Study of Heart disease Prediction for Women using Data Mining Techniques	SEED MONEY	5000	2019-2020	Completed

## Grants Received

Event Title	Agency	Amount	Date
Financial Assistance for Tamil Book Publication	TNSCST	Rs. 15,000	31-May-22
Financial Assistance for Tamil Book Publication	TNSCST	Rs. 10,000	31-Oct-20

## Patent

Title	Status	Year
Prediction of water Flow Depth using Machine Learning	Published	2025
Intelligent Filtration of E-mail Spam/Non-Spam messages & mobile phone SMS Spam messages by Classifying its content	Published	2023

segregation using Effective Machine Learning Algorithms		
An IOT System incorporated with LOF and SGBMO-ANN Machine Learning for CVD Monitoring Methods	Published	2021
A System of Fault Detection and Monitoring of Solar PV Panels using Internet of Things	Published	2020

### Research Publications

1. Dr.P.Deepika, Dr.S.Saranya, **Cardiovascular Disease Prediction using Novel Hybrid Filter Based Chi-Squared Feature Selection with Backward Elimination and Spider Monkey Optimization- Artificial Neural Network Techniques**, Journal of Systems Engineering and Electronics, Vol-34, Issue-9, 2024, ISSN No:1671-1793. (Indexed in Scopus).
2. Dr.P.Deepika, Dr.S.Saranya, **Security and Surveillance using Drones**, IAPQR Transactions, Vol-49, Issue-02, No:05, 2024, ISSN: 0970-0102 (Indexed in UGC CARE).
3. Dr.P.Deepika, **Effective cardiovascular Disease Prediction System using Ensemble Machine Learning Methods**, Journal of the K.R. Cama Oriental Institute, Vol.No.78,October 2024, ISSN:0970-0609. (Indexed in UGC CARE).
4. Dr.P.Deepika, Dr.S.Saranya, **Prognostication Novel Feature Engineering for Malignant Breast Carcinoma Diagnosis**, Journal of Systems Engineering and Electronics, Vol-34, Issue-09, 2024, ISSN No:1671-1793. (Indexed in Scopus)
5. P.Deepika., Dr.S.Sasikala., **Heart Disease Prediction Using Spider Monkey Optimization- Artificial Neural Network (Smo-Ann) Techniques**, Journal of Foundational Research, Vol-XXXII, Issue-1, January-June, 2024. ISSN: 2395-5635 (Indexed in UGC-CARE)
6. P.Deepika, Dr.S.Sasikala., **Analysis On Cardiovascular Disease Prediction Using Novel Machine Learning Methods**, Education and Society, Vol-47, Issue-2, April-June: 2023. ISSN:2278-6864 (Indexed in UGC-CARE)

7.

8. P.Deepika, Dr.S.Sasikala., **A Novel Hybrid Feature Selection Chi-Squared With Backward Elimination (Hfcb) Technique For Risk Prediction Of Cardiovascular Disease**, Journal of The Asiatic Society of Mumbai, Vol- 8, 2022. (Indexed in UGC CARE)
9. P.Deepika., Dr.S.Sasikala., **Data Classification Pertaining To Heart Diseases Using Hybrid Chicken Swarm Optimization With Artificial Neural Network (HCSOANN)**, International Journal of Mechanical Engineering, Volume 7, 2022. (Indexed in Scopus).
10. P.Deepika., Dr.S.Sasikala., **Effectiveness Of Feature Selection Methods In Cardiovascular Disease Prediction Using Classification**, Journal of Maharaja Sayajiroa University of Baroda, Vol-54, Issue-2, 2022. ISSN:0025-0422 (Indexed in UGC-CARE)
11. P.Deepika, Dr.S.Sasikala., **Effective Anticipation Of Cardiovascular Disease Using Opt-Ann Deep Learning Techniques**, Solid State Technology, Vol-63, Issue-6, 2020. ISSN: 0038-111X (Indexed in Google Scholar)
12. P.Deepika, S.Saranya, Dr.S.Sasikala, **Comprehensive Review On Heart Disease Prediction Using Optimization Techniques**, EPRA International Journal of Research and Development, 2020, ISSN: 2455-7838. (Indexed in Crossref, Google Scholar and Web of Science)
13. P.Deepika, Dr.S.Sasikala., **Enhanced Model For Prediction And Classification Of Cardiovascular Disease Using Decision Tree With Particle Swarm Optimization**, Proceedings of the 4th International Conference on Electronics, Communication and Aerospace Technology, ICECA-2020, 2020, DOI: [10.1109/ICECA49313.2020.9297398](https://doi.org/10.1109/ICECA49313.2020.9297398) (Indexed in Scopus)
14. P.Deepika, S.Saranya, Dr.S.Sasikala., R.Sowparnika., S.P.Divyabharathi., **Instigating Effective Cloud Computing Techniques For Elevating Agriculture Domain**, Journal of Emerging Technologies and Innovative Research (JETIR), Vol-6, Issue 1, 2019. ISSN:2349-5162 (Indexed in UGC Journal)

15. P.Deepika, S.Saranya., Dr.S.Sasikala., **An Effective Archetype Design Of Heart Disease Anticipation Using Optimization Techniques**” EPRA International Journal of Research and Development, Vol-4, issue-11, pp 33-40, 2019. (Indexed in Crossref & Web of Science)
16. P. Deepika, A.Kiruthika, S.Sasikala, S.Saranya., **Predicting The Ailment Of Thyroid Using Classification And Recital Indicators**, International Journal of Scientific Research in Computer Science, Engineering and Information Technology, Vol3, Issue-3, 2018, ISSN : 2456-3307, (Indexed in UGC Approved Journal)
17. P.Deepika., S.Sasikala, S.Saranya, **A Quintessence For Focused Crawler Enhanced With Link Spam Detection**, IOSR Journal of Engineering, 2018, ISSN:2250-3021.(Indexed- UGC Approved Journal).
18. S.Saranya., Dr.S.Sasikala., P.Deepika., Jaikishen J Kamath., S Muthukrishnana., **Comprehensive Evaluation of Clustering Algorithms In Binary And Multiclass Attributes**, IOSR Journal of Engineering, 2018. ISSN:2250-3021. (Indexed in UGC Journal)
19. Dr.S.Sasikala., P.Deepika., S.Saranya., S. Balaji., **Mining Structural Traits of Hyperlinks To Combat Spamdexing**, International Journal of Engineering and Science Invention, Vol-7, Issue 2, 2018. ISSN : 2319 –6734, (Indexed in UGC Journal).
20. P.Deepika, Dr.S. Sasikala., S.Saranya., A.Kiruthika., **A Novel Classification And Prediction Algorithm For Heart Disease Identification**, International Journal of Engineering and Science Invention, ISSN: 2319 – 6734, Vol-7, Issue 2 - Version- 1, February 2018, (Indexed in UGC Journal).
21. P.Deepika., S.Saranya., Dr.S.Sasikala., Aravind G Nair., Haritha R A., **The Study Of Fuzzy Cognitive Maps In Identification And Prediction of Diseases**, IOSR Journal of Engineering, Vol-6, 2018. ISSN: 2250-3021 (Indexed in UGC Journal).
22. P.Deepika, S.Sasikala, S.Jansi., S.Saranya, A.Kiruthika, **Anticipating The Chronic Kidney Disorder Using Performance Optimization In Adaboost And Multilayer**

**Perceptron**, Imperial Journal of Interdisciplinary Research, 2017. ISSN:2454-1362. .  
(Indexed in Google Scholar)

23. S.Saranya., P.Deepika., S.Sasikala., Dr.S.Jansi., A.Kiruthika., **Accelerating Unique Strategy For Centroid Priming In K-Means Clustering**, International Journal for Innovative Research in Science & Technology, Vol-3, Issue-7,2016. ISSN:2349-6010  
(Indexed in Google Scholar)

24. P.Deepika, S.Saranya, S.Sasikala, Dr.S.Jansi, A.Kiruthika, **Anticipating Heart Disease Using C4.5 Classification Augmented With Feature Selection**, International Journal for Research and Development in Technology, 2016, Vol-6, issue-5. ISSN: 2349-3585.  
(Indexed in Google Scholar)

25. P.Deepika, P.Vinothini., **Heart Disease Analysis And Prediction Using Various Classification Models – A Survey** in Indian journal of Research PARIPEX Volume :4 Issue :3 March 2015. ISSN : 2250-1991. (Indexed in Google Scholar)

26. K.Thenmozhi., P.Deepika, M.Meiyyappasamy, **Different Datamining Techniques Involves In Heart Disease Prediction-A Survey**, International Journal of Scientific Research, Vol-III, Issue-IX, 2014, ISSN: 2277-8179. DOI: 10.36106/ijsr (Indexed in Google Scholar)

27. P.Deepika, K.Thenmozhi, **Heart Disease Prediction Using Classification With Different Decision Tree Techniques**, International Journal of Engineering and General Research, Vol-2, Issue-6, 2014. ISSN: 2091-2730. (Indexed in Google Scholar)

## **Books/ Book Chapters Publication**

### **Book Chapters:**

1. **Analysis on Methodologies of Generative-Artificial Intelligence (Gen-AI)in the field of Language Processing**, Applied Artificial Intelligence, IOT Academy Publishers, ISBN:978-93-93622-71-6.

2. **Artificial Intelligence- Challenges and Applications**, Advances in Future Trends and Technology, Dr.P.Deepika, Book Fly Publication and Research, 2024, ISBN: 978-81-963688-3-8.
3. **Artificial Intelligence in Healthcare: Challenges and Opportunities**, Sustainable Computing Trends, Hindusthan College of Arts & Science, Coimbatore, ISBN: 978-81-971227-8-1.

**Books:**

1. **Research Perspectives of Internet of Things**, P.Deepika, Teacher Publishing House, Coimbatore, ISBN: 978-93-549378-6-6
2. **EliyaMurayil Animation**, P.Deepika, S.Saranya, Teachers Publishing House ISBN Number: 9789-380-800-646,
3. **Cloud Computing Sevaigal, Paathukaapu vazhimuraigal matrrum athan payanpadugal**, Dr.P.Deepika, Dr.S.Saranya, Bookfly Publication, ISBN Number: 9788-196-368-814, Bookfly Publications.
4. **Hand Book of Programming in C++**, P.Deepika, S.Saranya, Teachers Publishing House ISBN: 9789-380-800-929,
5. **Animation Essentials**, P.Deepika, S.Saranya, Teachers Publishing House, ISBN Number: 9789-380-800-981.
6. **Open Source Tools**, P.Deepika, S.Saranya, Teachers Publishing House, Coimbatore ISBN: 9789-380-800-523.
7. **Simplified Handbook for Computer Architecture**, P.Deepika, Teachers Publishing House, Coimbatore, ISBN Number: 9789-380-800-653.
8. **Database Management System for beginners** P.Deepika, Teachers Publishing House, Coimbatore, ISBN Number: 9789-380-800-073.
9. **Internet Scripting and Design**, P.Deepika, Goya Publishing House, New Delhi, ISBN Number: 9789-391-237-448.
10. **Optimization and Deep Learning Techniques Simplified**, P.Deepika, SM Publishers, ISBN: 978-93-5627-120-3.
11. **Research Perspectives of Data Mining in Healthcare**, P.Deepika, Teachers Publishing House, Coimbatore, ISBN: 978-93-5578-726-2.

## Presentations in Conference/ Seminar

1. **Impact of Artificial Intelligence Techniques in Agriculture Domain for Crop Field Monitoring and Pesticides**, National Conference on NextGen Information Science, Communication and Technology, SRM Institute of Science and Technology, Ramapuram, Chennai-89, 4-Oct-24.
2. **Effective Cardiovascular Disease Prediction System using Ensemble Machine Learning Methods**, Proceedings of the 2<sup>nd</sup> ICSSR Conference on “India Towards Viksit Bharat @2047” Bharati Vidyapeeth’s Institute of Computer Applications and Management(BVICAM), New Delhi, 13-Sep-24 to 14-Sep-24.
3. **Artificial Intelligence in Healthcare- Challenges and Opportunities**, International Conference on Sustainable Computing trends, Hindusthan College of Arts and Science, Coimbatore. 14-March-24.
4. **Artificial Intelligence and its Tools**, International Conference on Recent Trends in Computer Science and Data Analytics. KPR College of Arts Science and Research, Coimbatore, 3-Feb-23 to 4-Feb-23.
5. **Data Mining and its Techniques**, International Conference on Recent Trends in Computer Science and Data Analytics. KPR College of Arts Science and Research, Coimbatore, 3-Feb-23 to 4-Feb-23.
6. **Mechatronics**, International Conference on Recent Trends in Computer Science and Data Analytics. KPR College of Arts Science and Research, Coimbatore, 3-Feb-23 to 4-Feb-23.
7. **Artificial Intelligence & Fuzzy Logic**, International Conference on Recent Trends in Computer Science and Data Analytics. KPR College of Arts Science and Research, Coimbatore, 3-Feb-23 to 4-Feb-23.
8. **Artificial Intelligence and Machine Learning in Robotics**, International Conference on Recent Trends in Computer Science and Data Analytics. KPR College of Arts Science and Research, Coimbatore, 3-Feb-23 to 4-Feb-23.



9. **Implications of Artificial Intelligence in Industry 5.0**, 3<sup>rd</sup> International Conference on Engineering, Social Sciences and Humanities, Institute For Engineering Research and Publication-Philippines Society in Association with University of Antique, Philippines, Universitas Lakidende, Indonesia & Santo Tomas College of Agriculture Sciences and Technology, Philippines, Malina, 30-Mar-23 to 31-Mar-23.
10. **Enhanced Model for Prediction and Classification of Cardiovascular Disease using Decision Tree with Particle Swarm Optimization**, 4<sup>th</sup> international E-Conference on Incipient Research in Information Technology, Commerce, Management and Linguistics, The Quide Milleth College for Men in Collaboration with Dambi Dollo University, Ethiopia, 17- Sep-21 to 18-Sep-21.
11. **Data Classification Pertaining to Heart Disease using Hybrid Chicken Swarm Optimization with Artificial Neural Network**, 4<sup>th</sup> international E-Conference on Incipient Research in Information Technology, Commerce, Management and Linguistics, The Quide Milleth College for Men in Collaboration with Dambi Dollo University, Ethiopia, 17- Sept-2021 to 18-Sept-2021.
12. **Assessment on cardiovascular Disease Prediction using Optimization Algorithms with Classification Techniques**, International Conference on Data Science and Information Ecosystem, Madurai Gandhi NMR Subbraman College for Women, 4-Jun-21 to 5-Jun-21.
13. **Review on Cardiovascular Disease Prediction using Optimization Algorithms with Classification Techniques**, National Conference on Recent Trends in Intelligent Computing, PSG College of Arts & Science, Coimbatore, 25-Mar-21.
14. **Assessment on Congestive Heart failure Prediction using Optimization Algorithms**, 2<sup>nd</sup> National Virtual Conference on Deep Learning in Artificial Intelligence for Healthcare, Dr NGP Arts and Science College, Coimbatore, 25-Mar-21.
15. **Evaluation of Heart Disease Prediction using Optimization in Data Mining**, International Conference on Machine Learning & Neural Information Systems, Sri Vidya Mandir Arts and Science College, Krishnagiri, 18-Mar-21 to 19-Mar-21.

16. **Effectiveness of Feature Selection methods in Cardiovascular Disease Prediction with Different Classifiers**, National Level E-Conference on Machine Learning as a Service for Industries, CMR Institute of technologies, Bengaluru, 4-Sept-20 to 5-Sept-20.
17. **Impact of Feature Selection Method in Heart Disease Prediction using Classification**, ESN International Conference on Multidisciplinary Research and Innovation, ESN Publications & Universal Digital University-USA, 3-Sept-20 to 9-Sept-20.
18. **Effective Anticipation of cardiovascular Disease using OPT-ANN Deep Learning Techniques**, Virtual International Conference on Metamorphosis of Modern Management and Research, Bannari Amman Institute of Technology, Sathymangalam, 13-Aug-20.
19. **E-Learning and Indian Education System**, International Level E-Conference on New Gen Education E-Learning “Black Board -Broadband”, Rathinam College of Arts and Science, Coimbatore, 13-Jul-20 to 17-Jul-20.
20. **Enhanced model for Prediction and Classification of Cardiovascular Disease using Decision Tree with Particle Swarm Optimization**, International E-Conference on Advances in Information Technology, Business Management and E-Commerce, The Quaide Milleth College for Men, Chennai, 4-Jul-20 to 5-Jul-20.
21. **Internet of Everything (IOE): A Vision and Perception Towards Future Networking**, International Conference on Future Networking : Internet of Everything, Hindusthan College of Arts and Science, Coimbatore, 21-Mar-19.
22. **Data Storage in DNA**, National Conference on Emerging Trends in Computing and Intelligent Informatics (Springer), Dr. N.G.P. Institute of Technology, Coimbatore, 8-Mar-19.
23. **Women Heart Disease Prediction using Classification Algorithms**, National Conference on Machine Learning’s Impact on Cloud Computing, Michael Job College of Arts and Science for Women, Coimbatore, 19-Feb-19.

24. **An Ample review of Cloud Computing explore issues and challenges**, International Conference on Research and Innovations in Computational Intelligence, Sri Ramakrishna College of Arts & Science for Women, Coimbatore, 4-Feb-19.
25. **Comprehensive Evaluation of Clustering Algorithms in Binary and Multi-Class Attributes**, International Conference on Computational Intelligence and Data Science, Sankara College of Science and Commerce, 10-Oct-18.
26. **The Secure Distributed Cloud Storage**, International Conference on Future Networking: Internet of Everything-ICIOE-2019, Hindusthan College of Arts & Science, Coimbatore, 21-Mar-19.
27. **Baggage Tracking Behavior by RFID and IOT**, International Conference on Future Networking: Internet of Everything-ICIOE-2019, Hindusthan College of Arts & Science, Coimbatore, 21-Mar-19.
28. **Internet of Everything (IOE): A Vision and Perception towards Future Networking**, International Conference on Future Networking: Internet of Everything-ICIOE-2019, Hindusthan College of Arts & Science, Coimbatore, 21-Mar-19.
29. **Web Mining**, International Conference on Enjoyable Programming and IT Trends, Ayyan Thiruvalluvar College of Arts and Science, P.Puliampatti, 19-December-2012 to 20-Dec-12.

#### **Participation in Conference/Seminar**

1. **Virtual Lab: A :Learner Perspective**, VLB Janakiammal College of Arts and Science, Coimbatore, 16-Feb-24.
2. **Mathematical and Computational Biology (NSMCB-2023)**, Hindusthan College of Arts & Science, Coimbatore, 15-Mar-23.
3. **Consequences of Cloned Journal Publications**, ST Francis De Sales College, AALO & ST Francis De Sales College, Bengaluru, 4-Feb-23.

4. **New Age Technology Show, 7<sup>th</sup> India International Science Festival**, Ministry of Earth Sciences, Ministry of Sciences & Technology and Vijnana Bharathi, 10-December-2021 to 13-Dec-21.
5. **Research Innovation Commercialization & Entrepreneurship Showcase-2021**, Multimedia University, Malaysia, 16-Nov-21.
6. **Embedded System Development**, Hindusthan College of Arts & Science, Coimbatore, 6-Jul-20.
7. **Attractive Administrator**, Association of Self-Financing Arts, Science & Management Colleges of Tamilnadu, Coimbatore, 15-May-20.
8. **Science and Technology Trends**, Hindusthan College of Arts & Science, Coimbatore, 11-May-20 to 14-May-20.
9. **Gearing up for the Job Tomorrow**, ICT Academy, 5-May-20.
10. **Mathematical and Computational Biology**, Hindusthan College of Arts & Science, Coimbatore, 7-Mar-19.
11. **Computational Tools for Molecular Modeling and Docking Simulations**, Karpagam College of Pharmacy, Coimbatore, 15-Sept-20.
12. **Covid-19 Pandemic Effect Global Population and Economics**, Nanjai Edayar Sankara Kadaswami Kandar's College, Velur, 12-Sept-20.
13. **International Seminar on Current Trends in Computer Science and Technologies**, Vivekanandha College of Arts and Science for Women, Namakkal, 11-Sept-18.

#### **Participation in Orientation Programme / Short Term Courses**

1. **Recent Trends and Challenges in Data Science**, Hindusthan College of Arts & Science, Coimbatore, 1-Feb-21 to 6-Feb-21. (AICTE Sponsored)
2. **Machine Learning & Artificial Intelligence for Real time Applications**, Bharathiar University, Coimbatore in Collaboration with Brainlabs.Ai, 9-Jul-20 to 11-Jul-20.

## Participation in Faculty Development Programme

1. **AI Tools**, Dayananda Sagar Academy of Technology and Management, 17-Feb-25 to 21-Feb-25.
2. **Enhancing Academic and Administrative Excellence Through Quality Initiatives**, PARK'S Colleg, 22-Jul-24 to 29-Jul-24.
3. **Essential Skills for Professional Development in Higher Education**, Star International Foundation for Research and Education, 1-Jul-24 to 7-Jul-24.
4. **Intellectual Property Rights in the age of AI, ML, Cybersecurity and Blockchain**, Mangalmay Institute of Management & Technology, 24-Jun-24 to 28-Jun-24.
5. **AI Tools for Teaching**, Star International Foundation for Research and Education, 22-Jun-24.
6. **Recent Advances in Smart Materials and Sensor Technology**, Paavai Engineering College, Namakkal, 17-Feb-24.
7. **Recent Trends on Research Methodologies, Tools and Techniques**, KG College of Arts and Science, Coimbatore, 10-Jul-23 to 15-Jul-23.
8. **Machine Learning with Python**, Ethiraj College for Women, Chennai, 10-Apr-23.
9. **Data Analytics and Visualization using Tableau**, Sri G.V.G Vishalakshi College for Women, Udumalpet, 14-Nov-22 to 18-Nov-22.
10. **Networking Security**, UTL Technologies, Bengaluru, 20-Apr-20 to 26-Apr-20.
11. **Faculty Development Program**, Hindusthan College of Arts & Science, Coimbatore, 2-Jan-20 to 5-Jan-20.
12. **Python Programming**, Hindusthan College of Arts & Science, Coimbatore, 10-Aug-19.
13. **Bio-Python: Hands on Training**, Hindusthan College of Arts & Science, Coimbatore, 16-Dec-19.

14. **Introduction to Big Data Analytics**, Karpagam College of Engineering, Coimbatore, 2-Aug-17 to 3-Aug-17.

#### **Participation in Workshop**

1. **Forecasting using Machine Learning Tools**, NPTEL Workshop, 11-Jan-25.
2. **TNSCST sponsored Workshop on Unleashing Deep Learning for Disease Prediction**, Kongu Engineering College, Perundurai on 9-Jan-25 to 10-Jan-25.
3. **Workshop on Traditional Knowledge – Intellectual Property & People’s Rights**, Indian Knowledge System Division, Ministry of Education and CSIR- Traditional Knowledge Digital Library Unit, Ministry of Science and Technology, from 20-Aug-24 to 27-Aug-24.
4. **Workshop on Data Analytics & AI**, Center for Computer Science and Information Technology, Manjeri, University of Calicut, Kerala, 15-Jun-24.
5. **IoT Through Arduino and Raspberry Pi**, Hindusthan College of Arts & Science, Coimbatore, 5-Aug-19.
6. **ODOO Framework**, Hindusthan College of Arts & Science, Coimbatore, 8-Jul-19.
7. **Outcome Based Education, Gobi Arts & Science College**, Gobichettipalayam, 1-Dec-18.
8. **Challenges of Dengue and its Analysis using Data Analytical Tools**, Mahendra Engineering College (ICMR-Sponsored), Namakkal, 12-Jul-18 to 13-Jul-18.
9. **NPTEL Workshop**, Nehru College of Arts and Science, Coimbatore, 31-Aug-18.
10. **Research Issues in Data Mining and Implementation Aspects**, Sri Krishna College of Engineering and Technology, Coimbatore, 21-Feb-14 to 22-Feb-14.
11. **National Level Hands-on Training on MATLAB Programming**, Tiruppur Kumaran College for Women, Tiruppur, 31-Jan-14.

12. **Data Mining & Its Applications using Rapid Miner**, Dr NGP Arts and Science College, Coimbatore, 28-Dec-13.

13. **How to Test a Software using Test Cases**, PSGR Krishnammal College for Women in association with Indian Institute of Software Testing, Coimbatore, 28-Aug-09.

#### **Participation in Orientation Programme / Short Term Courses**

1. **Machine Learning & Artificial Intelligence for Real time Applications**, Bharathiar University, Coimbatore in Collaboration with Brainlabs.Ai, 9-Jul-20 to 11-Jul-20.
2. **National Level e-Quiz Programme on Cloud Computing**, SSM College of Arts & Science, Namakkal, 28-Jun-20.

#### **Conference / Seminar / Workshop Organized**

1. **Editorial Team Member**, National Conference on Emerging Trends in Computing & Communication, Hindusthan College of Arts & Science, Coimbatore, 21-Dec-23.
2. **Editorial Team Member**, International Conference on Future Networking: Internet of Everything-ICIOE-2019, Hindusthan College of Arts & Science, Coimbatore, 21-Mar-19.

#### **Invited Speaker / Session Chair/ Reviewer**

1. **Reviewer**, Uttar Pradesh Journal of Zoology, 28-Nov-24
2. **Reviewer**, International Journal of Recent Technology and Engineering, 03-Aug-24.
3. **Jury- Best Manager, Intercollegiate Competition**, Hindusthan College of Arts & Science, Coimbatore, 20-Feb-24.
4. **Reviewer**, International Conference on Intelligent Computing and Smart Communication System, Sri Eshwar College of Engineering, Coimbatore, 21-Dec-23 to 22-Dec-23.
5. **Resource Person**, Webinar on Internet of Things, PPG College of Arts & Science, Coimbatore, 20-May-2021.

#### **Editorial / Reviewer Board Member**

- **General Editor**, Indian Journal of Data Communication and Networking (IJDN), Since 2024.
- **Editorial Borad Member**, Lattice Science Publication, Since 2023.
- **Editorial Borad Member**, Blue Eyes Intelligence Engineering and Sciences Publication, Since 2023.

#### Member in BoS

1. Board of Artificial Intelligence & Machine Learning, Dr.N.G.P. Arts and Science College, Coimbatore 2024.
2. Board of Artificial Intelligence & Machine Learning, Hindusthan College of Arts & Science, Coimbatore, 2023.
3. Board of Computer Science with Cognitive Systems, Hindusthan College of Arts & Science, Coimbatore, 2022.

#### Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Editorial Board Member- Blue Eyes Intelligence Engineering and Sciences Publications	Life Time	2022 onwards
International Association of Engineers- IAENG	Life-time	2018 onwards

#### Awards / Honors

Awards / Honors	Agency / Institute	Year
Excellence in Research and Publication	SNS Institutions	2025
Best Presenter	AIMST University, Malaysia	2023
Best Paper	University Canada West, Vancouver, Canada & Mahasarakham University, Thailand & STAT Office for Statistical Data Analysis and	2023



	Training, Iraq and Institute For Engineering Research and Publication (IFERP)	
Best Paper	University Canada West, Vancouver, Canada & Mahasarakham University, Thailand & STAT Office for Statistical Data Analysis and Training, Iraq and Institute For Engineering Research and Publication (IFERP)	2023
Silver Medal	Multimedia University, Malaysia	2023
Bronze Medal	Multimedia University, Malaysia	2021
Young Scientist Award	ESN Publications	2021
Participation- Work Book of Records	ESN Publications	2020

#### Recognitions - National / International

Nature of Recognition	Organization / Institution	Year
<b>RAJEYAPURASHKAR</b>	The Bharat Scouts & Guide	2005