

Faculty Profile

Dr. R.Chitra

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Department of Computer Science and Engineering
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Academic Background

Degree	University	Year
Ph.D	Manonmaniam Sundaranar University	2017
M.Tech	Manonmaniam Sundaranar University	2002
B.Tech	Manonmaniam Sundaranar University	2001

Courses Taught

- Theory of Computation
- Artificial Intelligence
- Computer Architecture
- Introduction to Mainframes
- Microprocessor and Microcontrollers
- Database Management Techniques
- Operating Systems
- System Software
- Neural Networks and its Applications
- Fundamentals of Communications
- Advanced Computer Architecture
- Advanced Database Management Systems
- Compiler Optimization Technologies

Research Interests

- Machine Learning

- Datamining
- Optimization
- Intelligent Disease Diagnosis

Most recent Publications

- S.Muthulakhmi, R.Chitra, Blockchain Internet of Things (BIoT), Architecture, Applications and Challenges: A Survey, JXAT Journal, Vol. 8, No.1, 2021, pp 608-622
- Review on Methods of Enhancement And Denoising in Retinal Fundus Images, International Journal of Computer Sciences and Engineering, Vol. 8, No.12, 2020 , pp 1-9
- J.Shafeena, R.Chitra, Detection of Stroke using Image Enhancement and Segmentation, International Journal of Recent Technology and Engineering, Vol 9, No 1, 2020, pp 1613-1616.
- T.M Chenthil Jegan, R.Chitra, VS Thangarau, Prediction of Process Parameters in Electrical Discharge Machining Using Response Surface Methodology and ANN: An Experimental Study, International Journal of Business Intelligence and Data Mining Vol. 16, No. 2, 2020, pp 190-203.
- R. Chitra, T.M Chenthil Jegan, R Ezhilarasu, Analysis of myocardial infarction risk factors in heart disease dataset", Biology and Medicine Case Report, Vol. 1. No 1, 2017, pp 9-15 7.
- V.Seenivasagam, R.Chitra, Myocardial Infarction Detection Using Intelligent Algorithms, Neural Network World, Vol. 26, No. 1, 2016, pp.91-110 .
- R.Chitra, V.Seenivasagam, Heart Disease Prediction System Using Intelligent Network, Power Electronics and Renewable Energy Systems, Springer LNEE, Vol. 326, No. 134, 2015, pp.1377-1384.
- R.Chitra, V.Seenivasagam, , Risk Prediction of Heart Disease Based on Swarm Optimized Neural Network, Advances in Intelligent Systems and Computing, Vol. 255, No. 1, 2014,pp .707-714.

Projects Guided

- UG -15
- PG - 10

Memberships in Professional societies

Significant achievements:

- IBM Certified Database Associate, DB2 9 Fundamentals, 2010.
- IBM Certified Solution Designer-Rational Functional Tester, 2013

- NPTEL online certification courses for Theory of Computation - 2019
- NPTEL online certification courses for Accreditation and Outcome Based Learning -2019
- Capability Development Certificate for the ELearning Program on Machine Learning by TATA Steel -2020
- Recipient of Outstanding PhD Award- NIMS Medicity, TVPM, 2019