



# Dr. J. A. Esther Rani

## Associate Professor

 No.1, Vidya Colony, I Street,  
K. K. Nagar, Madurai - 20.

 +919843652575

 estherrani@ldc.edu.in



## EXPERIENCE

### Lady Doak College, Madurai - Associate Professor

DECEMBER 2004 - PRESENT

- UG, PG (Computer Science and Information Technology) - Employee ID : 10109
- Assistant Controller of Examinations for Sciences (SF) from June 2021
- Lecturer from July 2000 to August 2001

### Shrimati Indira Gandhi College, Tiruchirappalli - Lecturer

JUNE 1999 - DECEMBER 1999

- MCA

### Remama Computers, Tiruchirappalli - Programmer

NOVEMBER 1998 - MAY 1999

- UG

## EDUCATION

Degree	Institution	Year of passing	Result
Ph.D.	Bharathidasan University	February 2021	Pass
SET	Mother Teresa Women's University	February 2016	Pass
M.Phil.	Madurai Kamaraj University	May 2008	65%
MCA	Srimathi Indira Gandhi College, Tiruchirappalli Bharathidasan University	April 1999	71%
PGDCS	Software Solution Integrated Limited, Trichy	June 1998	A Grade
B.Sc.	Seethalakshmi Ramaswamy College, Tiruchirappalli Bharathidasan University	April 1996	72%
HSC	Holy Cross G HSS, Trichy - B O H S E	March 1993	76%
SSLC	Holy Cross G HSS, Trichy - Board of Secondary	April 1991	86%

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## PAPERS PRESENTED

- MINING WEB BROWSING PATTERNS FROM WEBLOGS and MINING CLICKSTREAMS FOR WEB PERSONALIZATION - conducted by VIDYASAGAR COLLEGE OF ARTS AND SCIENCE, UDUMALPET on 07-03-2008
- Financial Crisis As a Barrier for Empowerment of Women In Academics - conducted by University Of Madras on 08-03-2010 and 09-03-2010
- J. A. Esther Rani, Dr. E. Kirubakaran and Dr. B. Smitha Evelin Zoraida "COMPARISON OF VARIOUS NATURE COMPUTING ALGORITHMS FOR FEATURE SELECTION, in International Conference on Digital Transformation- ICDT 2020'5th 6th March 2020, Department of Computer Science, The American College, (Proceedings Abstract Page 59 ) ISBN 798 93-87865-29-7
- J. A. Esther Rani, Dr. E. Kirubakaran, Dr. D.Sujitha Juliet and Dr. B. Smitha Evelin Zoraida "SUPERVISED HYBRID PARTICLE SWARM OPTIMIZATION WITH ENTROPY (PSO-ER) FOR FEATURE SELECTION IN HEALTH CARE DOMAIN"- Paper Communicated to International Conference 4th International Conference on Innovative Computing and Communication (ICICC 2021) Organised by: Shaheed Sukhdev College of Business Studies, University of Delhi, New Delhi 20-21st February, 2021

## SEMINARS

- HUMAN RIGHTS - CHANGING TRENDS AND CHALLENGES - organised by LDC & PEOPLE'S WATCH from 18-01-2007 to 20-01-2007
- COMPUTER SECURITY PRINCIPLES AND PRACTICES - organised by THIAGARAJAR SCHOOL OF MANAGEMENT on 08-08-2008 and 09-08-2008
- TEACHING WOMEN STUDIES - organised by CENTRE FOR WOMEN STUDIES on 03-02-2010
- MSEM ON FINANCIAL MANAGEMENT, COMMUNICATION & NEGOTIATION SKILLS IN INSTITUTIONS FOR HIGHER EDUCATION - organised by CENTRE FOR WOMEN STUDIES on 03-02-2010 and from 08-12-2011 to 12-12-2011 respectively.
- RESEARCH ISSUES IN WEARABLE COMPUTING - organised by DEPT. OF COMP. SCI., NATIONAL ENGINEERING COLLEGE on 28-01-2011 and 29-01-2011
- #UN Women - Relevance to Indian Women# special reference to CEDAW - organised by Center for Women's Studies on 31-07-2014
- Advanced Christian Leadership Seminar (National) - organised by Haggai Institute from 24-04-19 to 28-04-19
- Haggai Leadership Area Seminar - organised by Lady Doak College, Madurai from 18-07-2019 to 20-07-2019

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## CONFERENCES

- Higher Education for Holistic Development Amidst Contemporary Challenges 31/1/2008 2/2/2008 (National) at Lady Doak College, Madurai from 31-01-2008 to 02-02-2008
- International conference on Science, Society and Sustainability at Lady Doak College, Madurai from 11-01-2012 to 13-01-2012
- National conference on "Competence building on Higher Education-trends and challenges" at Lady Doak College, Madurai on 30-09-2011 and 01-10-2011
- National Conference on ICT - A Catalyst of Change for Transforming Teaching, Learning & Research in Commerce, Computer Science & Management Education by Department of Commerce, Computer Science & Business Administration, Lady Doak College, Madurai on 09-01-2014 and 10-01-2014

## GUEST LECTURES

- WEB MINING @ SRIMATHI INDIRA COLLEGE on 02-11-2011
- Web Mining & its Research Issues @ Madurai Sivakasi Nadars Pioneer Meenakshi college on 28-02-2011

## WORKSHOPS

- CAPACITY BUILDING FOR WOMEN MANAGERS IN HIGHER EDUCATION - conducted by LADY DOAK COLLEGE from 19-11-2007 to 23-11-2007
- GENDER JUST EDUCATION-PHASE I (National) - conducted by CENTRE FOR WOMEN#S STUDIES from 25-09-2006 to 26-09-2006
- GENDER JUST EDUCATION-PHASE II (National) - conducted by CENTRE FOR WOMEN#S STUDIES from 02-05-2006 to 04-05-2006
- MOBILE COMPUTING - conducted by DEPARTMENT OF COMPUTER SCIENCE from 31-08-2007 to 31-08-2007
- HIGHER EDUCATION FOR HOLISTIC DEVELOPMENT AMIDST CONTEMPORARY CHALLENGES - conducted by LADY DOAK COLLEGE from 31-01-2008 to 02-02-2008
- TEACHING WOMEN#S STUDIES - conducted by CENTRE FOR WOMEN#S STUDIES from 26-09-2006 to 27-09-2006
- ANALYSIS OF ALGORITHMS - conducted by DEPT. OF MATHS, LDC from 20-03-2007 to 21-03-2007
- GENDER AND DEVELOPMENT(Regional) - conducted by CENTRE FOR WOMEN#S STUDIES from 06-03-2006 to 07-03-2006
- CHALLENGES IN INTEGRATING ACTION AND RESEARCH IN WOMEN#S STUDIES (State) - conducted by CENTRE FOR WOMEN#S STUDIES from 20-02-2007 to 21-02-2007
- NATIONAL LEVEL SYMPOSIUM ON CURRENT TRENDS IN IMAGE PROCESSING AND ALGORITHMS (National) - conducted by THE AMERICAN COLLEGE from 20-02-2006 to 20-02-2006

- RECENT TRENDS IN GRID COMPUTING (State) - conducted by KALASALINGAM UNIVERSITY on 13-03-2010
- CAPACITY BUILDING FOR WOMEN MANAGERS IN HIGHER EDUCATION (National) - conducted by LADY DOAK COLLEGE from 05-01-2010 to 09-01-2010
- PERSONAL EFFECTIVENESS - conducted by LADY DOAK COLLEGE, MADURAI from 12-12-2011 to 13-12-2011
- SETTING OBJECTIVE TYPE QUESTIONS - conducted by CHRD on 06-12-2007
- IMAGE PROCESSING USING MATLAB - conducted by DEPARTMENT OF COMPUTER SCIENCE from 11-07-2008 to 12-07-2008
- MAYA(BASICS) - conducted by 4th DIMENSION from 04-02-2009 to 26-02-2009
- PCHARDWARE TRAINING - conducted by 4th DIMENSION from 01-03-2010 to 13-03-2010
- SKILLEDGE - DATA STRUCTURES USING C(District) - conducted by ICTACT VICKRAM COLLEGE OF ENGINEERING from 10-06-2011 to 12-06-2011
- LEGISLATION ON WOMEN - LEGAL LITERACY, AWARENESS and IMPLEMENTATION - conducted by CENTRE FOR WOMEN#S STUDIES from 20-02-2014 to 21-02-2014
- Teaching Women Studies - conducted by CENTRE FOR WOMEN#S STUDIES from 26-09-2006 to 27-09-2006
- FDP on Introduction to Internet of Things(Regional) - conducted by ICT ACADEMY from 15-02-2017 to 16-02-2017
- Workshop on Embedded System and IoT Applications (District) - conducted by KLN College of Engineering, Madurai from 11-12-2017 to 16-12-2017
- Workshop on Outcome Based Education - conducted by CPEC, Lady Doak College from 20-02-2019 to 20-02-2019
- FDP on Open Book Assessment - conducted by CHRD, Lady Doak College from 20-03-2019 to 20-03-2019
- Cognitive Pragmatics and Learning Analytics (State) - conducted by United Board for Christian Higher Education in Asia on 13-06-2019 and 14-06-2019
- National workshop on 'The Next Age Teaching Technology - More Human than Ever' - conducted by Department of Computer Science and Swayam Chapter One Day National Workshop on 20-02-2019

## TRAININGS ATTENDED

- IMAGE PROCESSING USING VC++ - conducted by LADY DOAK COLLEGE from 19-11-2006 to 14-12-2006
- Digital Image Processing - conducted by Department of Computer Science, Lady Doak College on 11-07-2008 and 12-07-2008
- Maya Software - conducted by 4th Dimension from 04-02-2009 to 26-02-2009
- PC hardware Training - conducted by 4th Dimension from 01-03-2010 to 13-03-2010
- J2EE - conducted by Department of Computer Science, LDC from 18-01-2011 to 21-01-2011
- DATABASE MANAGEMENT SYSTEM (State) - conducted by PAVENDAR BHARATHIDASAN COLLEGE OF ENGINEERING & TECHNOLOGY, TRICHY IN COLLABORATION WITH ICTACT on 15-02-2012 and 16-02-2012

- CERTIFICATE IN .NET PROGRAMMING (State) - conducted by ICT ACADEMY OF TAMILNADU from 19-02-2011 to 26-02-2011
- Training on "Android Application and Development" - conducted by Dept. Of Computer Science on 18-09-2013
- Skilledge Training on data Structures (State) - conducted by ICTACT Vickram College of Engineering on 10-06-2011
- Research Trends in Data Mining using Weka - conducted by Dept. Of Comp.Science on 31-01-2013
- Training on Cloud Computing - conducted by Dept. Of Comp. Science on 18-03-20
- Training on Web Analytics - conducted by Department of computer science and Kalvi groups from 22-07-2014 to 30-07-2014
- Digital Image Processing using Scilab - conducted by Department of computer science on 05-08-2014
- UBUNTU LINUX - conducted by Department of computer science on 19-08-2013
- Training on "Web Analytics" - conducted by Department of computer science from 22-07-2014 to 25-07-2014

## JOURNALS PUBLISHED

1. J. A. Esther Rani and Dr. E. Kirubakaran , “FEATURE SELECTION IN HEALTH CARE DOMAIN DATA USING QUICK REDUCT ALGORITHM FOR EARLY DETECTION OF AUTISM SPECTRUM DISORDER ”, in International Journal of Grid and Distributed Computing, Vol. 13, No. 1, (2020), pp. 673-679, ISSN: 2005-4262 IJGDC, Copyright ©2020 SERSC  
Journal Name: International Journal of Grid and Distributed Computing, Web of Science (ESCI)\*  
Journal Link:  
<http://sersc.org/journals/index.php/IJGDC/article/view/11755>  
<http://sersc.org/journals/index.php/IJGDC/article/view/11755/6179>
2. J. A. Esther Rani, Dr. E. Kirubakaran and Dr. B. Smitha Evelin Zoraida, “A COMPARATIVE STUDY ON BIO INSPIRED ALGORITHMS FOR FEATURE SELECTION IN MACHINE LEARNING”, in International Journal of Future Generation Communication and Networking Vol. 13, No. 2, 2020 pp.854-865, ISSN: 2233-7857 IJFGCN, Copyright ©2020 SERSC  
Journal Name: International Journal of Future Generation Communication and Networking, Web of Science (ESCI)\*  
Journal Link:  
<http://sersc.org/journals/index.php/IJFGCN/article/view/15094>
3. Supervised Hybrid Particle Swarm Optimization with Entropy (PSO-ER) for Feature Selection in Health care Domain  
J. A. Esther Rani<sup>1</sup>, E. Kirubakaran<sup>2</sup>, Sujitha Juliet<sup>3</sup>, and B. Smitha Evelin Zoraida<sup>4</sup>  
Accepted for publication in Springer AISC series