

BIODATA

1. NAME : G.SUDHA
2. QUALIFICATION : M.Sc., M.Phil., UGC NET
3. DESIGNATION & DEPARTMENT : Assistant Professor,
Department of Computer Science
4. AGE & DATE OF BIRTH : 41 Years, 25-03-1978
5. SEX : Female
6. PERMANENT ADDRESS : Plot No. 5, 1/570,
Vishwa shanthi Nagar, North Street,
Anaiyur (PO), Madurai – 625 017
7. ADDRESS FOR COMMUNICATION : Department of Computer Science,
Sri Meenakshi Govt. Arts College for Women(A),
Madurai.
8. EDUCATIONAL QUALIFICATION:

| S.NO | COURSES | SUBJECT | YEAR OF COMPLETION | INSTITUTION |
|------|---------|-----------------------------------|--------------------|---|
| 1. | B.Sc. | Computer Science | 1998 | A.K.D.Dharma Raja Women's College, Rajapalayam |
| 2. | M.Sc. | Computer Science | 2000 | V.V.Vanniaperumal College for Women, Virudhunagar |
| 3. | M.Phil. | Computer Science | 2003 | Mother Teresa Women's University, Kodaikanal. |
| 4. | UGC NET | Computer Science and Applications | December 2008 | UGC |

9. Research Work /Experience : Pursuing Ph.D.

10. Recognized Research guide : No

11. Area of Specialization : Neural Networks,
Data Analytics,
Visual Analytics,
Visualizations.

12. TEACHING EXPERIENCE:

| S.NO | DESIGNATION | PLACE | DURATION | NO.OF YEARS |
|---------------------------|---------------------|---|----------------------------|---------------------|
| 1. | Lecturer | Madurai Sivakasi Nadar Pioneer Meenakshi College , Poovanthi. | 2000-2001 | 1 Year |
| 2. | Lecturer | D.G.Vaishnav College, Arumbakkam, Chennai. | 2003-2006 | 3 Years |
| 3. | Lecturer | Thiyagarajar College(A), Madurai | 2006 – 2007 (Odd semester) | 6 Months |
| 3. | Lecturer | Lady Doak College, Madurai. | 2006-2007 (Even Semester) | 6 Months |
| 4. | Lecturer | Thiyagarajar College(A), Madurai | 2007 – 2008 | 1 Year 6 Months |
| 5. | Lecturer | Madurai Kamaraj University College, Outpost, Madurai. | 2008 – 2011 | 3 Years |
| 6. | Assistant Professor | M.V.Muthiah Govt. College for Women, Dindigul. | 2011 – 2012 | 1 Year 6 Months |
| 7. | Assistant Professor | Sri Meenakshi Govt. Arts College for Women(A), Madurai. | 2012 – TillDate | 7 Years 4 Months |
| Total Teaching Experience | | | | 18 ears |

13. ORIENTATION/REFRESHER COURSES/OTHER PROGRAMMES & TRAINING:

| S.NO | NAME OF THE COURSE | TOPIC | PLACE | PERIOD |
|------|--------------------|--|--------------------------------|------------------------------------|
| 1. | Orientation Course | Orientation (Intensive Training) Programme organized by Tamilnadu State | University of Madras, Chennai, | 04-05-2011 to 02-06-2011 (30 days) |

| | | | | |
|----|------------------|---|--|-----------------------------------|
| | | Council for Higher Education, Chennai and UGC-Academic Staff college. | Tamilnadu. | |
| 2. | Refresher Course | Refresher Course in Computer Science organized by UGC-Academic Staff College | Bharathidasan University, Tiruchirappalli, Tamilnadu | 28-02-2015 to 20-03-2015 (21days) |

14. INTERNATIONAL PUBLICATIONS:

| S. No | CONFERENCE / JOURNAL | TITLE | PLACE | PERIOD |
|-------|---|---|-------|-----------------------------|
| 1. | International Journal of Computer Applications, ISBN 978-93- 80747-83-3 ISSN 0975 – 8887, , Vol-9, No.3 Pages 24-28. | A Simple Classification of Binary Document into Vector Image or Scalar Image Using Feed Forward Neural networks with Back Propagation Training. | | November 2010 |
| 2. | International Journal of Information Sciences and Techniques, Vol-2, No.-2, Pages 11-21. | A Design and Solving LPP Method For Binary Linear Programming Using DNA Approach | | March 2012 |
| 3. | International Journal of Computing Communications and Data Engineering Series (IADS) SSRN-id3165309 Volume No. 01, Issue No. 03, Jan 11, 2019, Pg. 1 – 6. ELSEVIER 5.01 (IF), Scopus Indexed; Available at SSRN: https://ssrn.com/abstract=3165309 or http://dx.doi.org/10.2139/ssrn.3165309 | A Survey on Contribution of Visual Analytics in Health Care Domain, | | 23 rd April 2018 |
| 4. | International Journal of Research and Analytical Reviews, International Journal ISSN: 2349 – 5138 | Weather Analysis and Prediction: A Survey with Visual Analytic Perspective. | | July 2018 |

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|----|--|--|---|------------------------|
| | E-ISSN: 2348 – 1269 Cosmos Impact Factor 4.236 ; UGC sited journal. URL. : http://ijrar.com ISSN 2349 - 5138 E - ISSN 2348 – 1269 | | | |
| 5. | 1 st International Conference on Universal Computing, Communications and Data Engineering, UNICODE 2018 | A Survey on Contribution of Visual Analytics in Health Care Domain | Organized by Department of Computer Science, Sri Padmavati Mahila Visvavidyala yam,Tirupati | February 7- 8, 2018 |
| 6. | International Conference on Big data Analytics and Intelligence Technologies (ICBAIT-2018) | A survey on Visualization and Visual analytic technique in Weather analysis and forecasting Applications (ISBN: 978-93-87102-94-1 Pg: 115 – 120) | Jointly Organized by Department of Computer Science, Madurai Kamaraj University and University of Maribor, Slovenia. | March 1-2, 2018. |
| 7. | 2 nd International Conference on Universal Computing, Communications and Data Engineering, UNICODE 2019 | Deriving Insight through Visual Analytics on weather data | Organized by Department of Computer Science, Sri Padmavati Mahila Visvavidyala yam,Tirupati. | February 1- 2, 2019 |
| 8. | A Chapter in Springer series "Advances in Intelligent Systems and Computing" and submitted for indexing to ISI Proceedings, EI- Compendex, DBLP, SCOPUS, Google Scholar and Springerlink. | Numerical Weather Analysis using Statistical Modelling as Visual Analytics Technique, | | 2019 (Accepted) |

15. NATIONAL PUBLICATIONS:

| S. No | Conference | Title | Place | Period |
|-------|---|--|---|---|
| 1. | National level conference on Emerging trends in business strategies and Information Systems | A Simple Classification of Binary Document into Vector Image or Scalar Image Using Feed Forward Neural networks with Back Propagation Training | Thiagarajar School of Management, Madurai | 12-02-2010 |
| 2. | National level conference on Signal and Image Processing | A Design and Solving LPP Method For Binary Linear Programming Using DNA Approach | Gandhigram Rural Institute- Deemed University, Gandhigram, Dindigul District | 9 th & 10 th Feb'2012 |
| 3. | UGC sponsored National Conference on Recent Trends and Research Issues in Computer Science | Secure Message Passing in LAN using RSA Algorithm | Department of Computer Science, Cardamom Planters' Association College, Bodi, | Oct 9-10,2014 |
| 4. | UGC sponsored National Conference on Recent Trends and Research Issues in Computer Science | Ensuring text Security using Data Encryption Standard | Department of Computer Science, Cardamom Planters' Association College, Bodi, | Oct 9-10,2014 |

16. TECHNICAL TALKS DELIVERED:

| S. No | Date | Title | Place |
|-------|---|--|--|
| 1. | 25-10-2018 UGC sponsored one-day workshop (Handled second session) | Hands on Training on Data Mining Tools for Social Domain | Organized by Department Of Computer Science VVV College for Women(A), Virudhunagar |
| 2. | 09-10-2019 Special lecture on Guest Lecture Session | Oracle | Madurai Sivakasi Nadar's Pioneer Meenakshi Women's College, Poovanthi. |

17. SEMINAR/ SYMPOSIA / WORKSHOP ATTENDED:

| S NO | NAME & LEVEL OF THE PROGRAMME | TITLE | PLACE | PERIOD |
|------|--------------------------------|--|--|------------|
| 1. | UGC Sponsored One Day Workshop | Research Tools and Techniques in Computer Applications | Organized by Department of Computer Science, Sri Meenakshi | 14-02-2013 |

| | | | | |
|----|--|---|---|----------------------|
| | | | Govt. Arts College, Madurai | |
| 2. | State level Seminar | Applied Data Mining Techniques | Organized by Department of Computer Science, Sri Meenakshi Govt. Arts College, Madurai | 20-01-2015 |
| 3. | Workshop | NPTEL Workshop | Organized by IIT Madras, NPTEL, and Thiagarajar College of Engineering, Madurai. | 02-01-2018 |
| 4. | Tutorial Session in International Conference | Machine Learning – Algorithms and Implementation Approaches: Tutorial Session | International Conference on Big data Analytics and Intelligence Technologies (ICBAIT-2018) Jointly Organized by Department of Computer Science, Madurai Kamaraj University and University of Maribor, Slovenia. | March 1 & 2, 2018 |
| 5. | National level Seminar | Artificial Intelligence and the Future of IT in Machine Learning Age | Organized by Department of Computer Science, Sri Meenakshi Govt. Arts College for Women(A), Madurai. | 01-04-2019 |

18. OTHER RESPONSIBILITIES HOLD IN SERVICE (CURRENT/ PREVIOUS):

| S.NO | NAME OF THE SERVICE/COMMITTEE | PLACE | PERIOD |
|------|---|--|-----------------|
| 1. | EDUSAT committee member (One of the 2 member Team) | Sri Meenakshi Govt. Arts College for Women(A), Madurai | 2012 – 2016 |
| 2. | Discipline committee member (Department Representative) | Sri Meenakshi Govt. Arts College for Women(A), Madurai | 2012 – 2016 |
| 3. | AISHE committee member (One of the 2-member team at college level) | Sri Meenakshi Govt. Arts College for Women(A), Madurai | 2013 – tilldate |
| 4. | NIRF Team Member (one of the 4-member team at | Sri Meenakshi Govt. Arts College for Women(A), | 2017 – Tilldate |

| | | | |
|----|---|--|-----------------|
| | College Level) | Madurai | |
| 5. | Carrier Guidance Committee Member (Department Representative) | Sri Meenakshi Govt. Arts College for Women(A), Madurai | 2017 – Tilldate |

19. OTHER RESPONSIBILITIES HOLD IN THE INSTITUTIONS:

| NAME OF THE SERVICES/COMMITTEE | PLACE | Academic Year |
|--|--|---------------|
| <ul style="list-style-type: none"> Developed software for “Transfer Certificate Automation System” | Sri Meenakshi Government Arts College for Women(A), Madurai. | 2016-2017 |
| <ul style="list-style-type: none"> Developed Admission Register Automation software. | | 2017 – 2018 |
| <ul style="list-style-type: none"> Integration of the Transfer Certificate Automation System with Admission Register Automation Software. | | 2017 - 2018 |
| <ul style="list-style-type: none"> Developed the Admission software which ease the application feeding, prepare Over All Rank list, generates the required reports. | | 2018 – 2019 |