

## BIODATA



1. NAME: : Dr. S. SUGUNA  
2. QUALIFICATION : M.C.A., M.Phil., Ph.D  
3. DESIGNATION & DEPARTMENT :

Assistant Professor,  
Department of Computer Science  
Sri Meenakshi Govt. Arts College for Women(Autonomous),  
Madurai – 625 002, TamilNadu, India

4. AGE & DATE OF BIRTH : 45 & 15-05-1974  
5. SEX : Female  
6. PERMANENT ADDRESS : Plot No. 89,  
Vishwa Shanthi Nagar, 5<sup>th</sup> Street  
Anaiyur (Post),  
Madurai – 625 002, TamilNadu, India  
7. ADDRESS FOR COMMUNICATION : Plot No. 89,  
Vishwa Shanthi Nagar, 5<sup>th</sup> Street  
Anaiyur (Post),  
Madurai – 625 002, TamilNadu, India  
8. EDUCATIONAL QUALIFICATION:

S.NO	COURSES	SUBJECT	YEAR OF COMPLETION	INSTITUTION
1.	S.S.L.C	---	1989	St. Marry's Girls HSS, Devakottai
2.	H.S.C	---	1991	St. Marry's Girls HSS, Devakottai
3.	B.Sc	Computer Science	1994	Fatima College, Madurai (M.K. University)
4.	M.C.A	Computer Applications	1997	Fatima College, Madurai (M.K. University)
5.	M.Phil	Computer Science	2002	Mother Teresa Women's University, Kodaikanal
6.	Ph.D	Computer Science	March 2011	Mother Teresa Women's University, Kodaikanal (On Efficiency of Web Usage Mining Algorithms)

9. Research Work /Experience : From 2006

10. Recognized Research guide : Yes

11. Area of Specialization :

Big Data Analytics, Image Processing

12. TEACHING EXPERIENCE:

S.NO	DESIGNATION	PLACE	DURATION	NO.OF YEARS
1.	Lecturer	V.V.V. College for Women, Virudhunagar (M.K. University, Madurai )	19 <sup>th</sup> June 1997 to 29 <sup>th</sup> Dec 1998	1 Year 6 months
2.	Lecturer	K.L.N College of Engineering,	30 <sup>th</sup> Dec 1998 to 30 <sup>th</sup> June 2003	4 Years 6 Months
3.	Senior Lecturer	Pottapalyam, Sivagangai(Dist)	01 <sup>st</sup> July 2003 to 31 <sup>st</sup> Aug 2005	2 Years 2 Months
4.	Asst. Professor	(M.K. University, Madurai & Anna University)	01 <sup>st</sup> Sep 2005 to 25 <sup>th</sup> Dec 2007	2 Years 3 Months
5.	Asst. Professor	M.V.M. Govt. Arts College (W), Dindugul (Mother Teresa Women's University, Kodaikanal)	26 <sup>th</sup> Dec 2007 to 1 <sup>st</sup> July 2008	7 Months
6.	Asst. Professor	R.D. Govt. Arts College, Sivagangai (Alagappa University, Karaikudi)	02 <sup>nd</sup> July 2008 to 10 <sup>th</sup> Aug 2012	4 Years 1 Month
7.	Asst. Professor	Govt. Arts College for Women, Sivagangai (Alagappa University, Karaikudi)	10 <sup>th</sup> Aug 2012 to 04-10-2017	5 Years 2 Months
8.	Asst. Professor	Sri Meenakshi Govt. Arts College(A), Madurai (M.K. University, Madurai)	05-10-2017 till date	2 Years 1 Month
Total Teaching Experience				22 Years 5 Months

13. ORIENTATION/REFRESHER COURSES/OTHER PROGRAMMES & TRAINING:  
&  
SEMINAR/ SYMPOSIA / WORKSHOP ATTENDED:

<b>S.No</b>	<b>Topic</b>	<b>Date</b>	<b>Venue&amp; Organizer</b>
1	Object Oriented Technology	08-10-1999	Vivekananda College, Thiruvudakam, Madurai – Organized by Amrita Institute of Advanced Computing.
2	Short Term Training Program on “JAVA and Visual Programming”	01-12-1999 to 29-12-1999 (30 Days)	K.L.N. College of Engineering, Pottapalayam – Organized by Universal Software Technology, Madurai.
3	Object Oriented Distributed Computing and CORBA Technology	13-11-2000 to 25-11-2000 (13 Days)	Thiagarajar College of Engineering, Madurai. AICTE Sponsored Program
4	E-enabling your Business	22-03-2002 to 23-03-2002	Pandyan Hotel, Madurai organized by Madissia, Madurai.
5	OOAD Using UML	07-10-2003	K.L.N.College of Information Technology by IBM Rational Rose
6	“TeamBuilding”	31-07-2004	K.L.N. College of Engineering, Pottapalayam – Organized by ISTE staff Chapter
7	Midterm Workshop & Public Appraisal	02-12-2004 to 03-12-2004	Mother Teresa Women’s University, Kodaikanal.
8	IBM DB2 Universal Database	20-12-2004 to 22-12-2004 (3 Days)	K.L.N. College of Engineering, Pottapalayam by IBM
9	IBM WSAD	20-07-2005 to 25-07-2005 (5 Days)	K.L.N. College of Engineering, Pottapalayam by IBM
10	Information Security Education and Awareness	26-06-2006 to 27-06-2006 (2 Days)	Conducted by Prof. S. Ragavan, IIT Madras, Chennai from
11	Intensive Training Program	26-12-2007 to 24-01-2008. (One Month)	Organized by TNSC for Higher Education and UGC – Academic Staff College (Bharathidasan University), Trichy.
12	Faculty Development Program on Soft Skills	08-09-2008 to 11-09-2008. (4 Days)	Organized by Nasscom and Tamil Nadu Government at Thiagarajar College of Engg., Madurai
13	Intensive Training Program	22-02-2009 to 12-03-2009 (21 Days)	Organized by TNSC for Higher Education and UGC – Academic Staff College – Madurai Kamaraj University, Computer Science Department, Madurai
14	Research Trends in Semantic Web and Web Services	21-08-2009	Organized by Department of Computer Science, Madurai Kamaraj University, Madurai.
15	J2EE and Best Practices in Application Development	08-10-2009 to 09-10-2009 (2 Days)	Organized by ICT Academy of Tamil Nadu, Cognizant Technology solutions and TCS held at Dept. of Computer Science & Engineering, Alagappa

			University, Karaikudi
<b>S. No</b>	<b>Topic</b>	<b>Date</b>	<b>Venue&amp; Organizer</b>
<b>16</b>	Research issues in Web mining	February 2011	<b>UGC sponsored Two day State Level Seminar</b> on “Recent Research Trends in Computer Science” Organized by the Dept. of Computer Science, Sri S. Ramasamy Naidu Memorial College, Sattur, in collaboration with C.I.T.E. M.S. University, Tirunelveli.
<b>17</b>	Research Issues in Data Mining	17-02-2012	M.S University, Dept. of Computer Science and Engineering, Tirunelveli- <b>UGC Sponsored One-day National Level Seminar on Data Mining.</b>
<b>18</b>	Research Tools and Techniques in Computer Applications (National Level)	14-02-2013	UGC Sponsored One Day Workshop – Organized by Department of Computer Science, Sri Meenakshi Govt. Arts College, Madurai
<b>19</b>	Research Convention – Path Finder – Explore, Experiment, Elucidate Research (Resource Person)	5 <sup>th</sup> – 7 <sup>th</sup> February 2014	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore – 641043
<b>20</b>	State level Seminar on “Applied Data Mining Techniques”	20-01-2015	UGC Sponsored One Day Workshop – Organized by Department of Computer Science, Sri Meenakshi Govt. Arts College, Madurai
<b>21</b>	Big Data Analytics – Research Perspective	20-02-2015	Madurai sivakasiNadars Pioneer Meenakshi Women’s College, Poovanthi – National Level Seminar on “Recent Trends in Web Technologies”
<b>22</b>	Quality Enhancement in Higher Educational Institutions	26-02-2015	Organized by Internal Quality Assurance Cell, Sri Meenakshi Govt. Arts College for Women(A), Madurai.
<b>22</b>	Intensive Training Program	18-11-2015 to 8-12-2015 (21 Days)	Organized by HRDC, Bharadhiyar University, Coimbatore – refresher course on Social Sciences (Multidisciplinary)
<b>23</b>	NPTEL Workshop	02-01-2018	Organized by IIT Madras, NPTEL, and Thiagarajar College of Engineering, Madurai.
<b>24</b>	Machine Learning – Algorithms and Implementation Approaches: Tutorial Session	March 1& 2, 2018	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.
<b>25</b>	Empowering the Government Institutions for NAAC Accreditation	14 <sup>th</sup> December 2018	Organized by Rashtriya Uchchar Shiksha Abhiyan (RUSA), State Project Directorate, Government of Tamilnadu, Department of Higher Education at

			University of Madras, Guindy Campus, Chennai
26	Artificial Intelligence and the Future of IT in Machine Learning Age	01 <sup>st</sup> April 2019	Organized by Dept. of computer Science, Sri Meenakshi Govt. Arts College for Women(A), Madurai.

#### 14. INTERNATIONAL PUBLICATIONS:

##### A. CONFERENCE

S. No.	Author & Paper Title	National / International Level Conferences / Seminars and its Title	Conference / Seminar Details
<b>INTERNATIONAL CONFERENCE – PAPER PRESENTATIONS and PARTICIPATIONS</b>			
1	<b><u>Dr. G. Arumugam &amp; S. Suguna</u></b>  Analysis Of Preprocessing And Prefetching Issues Using Server Side Web Logs	<b>10<sup>th</sup> International Conference – “ARTIFICIAL INTELLIGENCE AND APPLICATIONS”</b>	National University of Kaohsiung, Taiwan from December 2-3, pages: 3 – 8, 2005.
2	<b><u>Dr. G. Arumugam &amp; S. Suguna</u></b>  Analysis Of Issues in Web Mining	<b>International Conference – Resource Utilization and Intelligence Systems “INCRUIS 2006”.</b>	KonguEngineeringCollege, Perundurai, Erode from Jan 4-6, 2006
3	<b><u>Dr. G. Arumugam &amp; S. Suguna</u></b>  Optimal Algorithms for Generation of User Session Sequences Using Server Side Web User Logs	<b>International Conference – <a href="#">Network and Service Security</a> “N2S 2009”</b>	PARIS from June 24-26, 2009 (Published in IEEE Explorer - June 2009. Pages: 1-6, ISBN:978-2-9532-4431-1)
4	<b><u>S. Suguna, V. SundaraVadivelu &amp;</u></b>	<b>International Conference on “Innovations in Contemporary</b>	Quaid-E-Millath Government College For Women (Autonomous), Chennai from February 17 & 18, 2012 Pages: 147 -152, ISBN:

	<b><u>J.I. Christy Eunaicy</u></b>  Predictive Prefetching of Web Pages using Server Side Logs	IT Research ICITR2012”.	
5	<b><u>S. Suguna &amp; J.I. Christy Eunaicy</u></b>  Information Retrieval Towards Latency Reduction and Relevance Measures	<b>International Conference on “Social Media for Service Sector”</b>	Fatima College (Autonomous), Madurai – August 20 & 21, 2014, Pages:129 - 132 ISBN:978-1-63315-205-2
6	<b><u>S.Suguna&amp; B. Gomathi</u></b>  A survey on ontology based text mining methods	<b>International Conference on “Social Media for Service Sector”</b>	Fatima College (Autonomous), Madurai – August 20 & 21, 2014 Pages:132-134 ISBN:978-1-63315-205-2
7	<b><u>S. Suguna , M. Vithva&amp; R. Barani</u></b>  Web Mining with Big Data Tools	<b>International Conference on “Social Media for Service Sector”</b>	Fatima College (Autonomous), Madurai – August 20 & 21, 2014 Pages:205-210 ISBN:978-1-63315-205-2
8	<b><u>S.Suguna, V. Sundara Vadivelu &amp; B. Gomathi</u></b>  Framework for Semi-Supervised Clustering based on Color Constraints to Enhance Text Mining	<b>International Conference On “Innovations in Contemporary IT Research Technology (ICITR 2015)”</b>	Quaid-E-Millath Government College For Women (Autonomous), Chennai on 06 <sup>th</sup> and 07 <sup>th</sup> February 2015. ISBN: 978-93-81899-03-08 Vol. II.
9	<b><u>S. Suguna &amp; H.Salome Hemachitra</u></b>  Comparative Study on Image Analysis	<b>2<sup>nd</sup> IEEE International Conference on “Engineering and Technology (ICETECH)”</b>	Organized by the Department of CSE and IT, RTHINAM technical Campus, Coimbatore, TN, India,during17th & 18th March 2016,Pages: 848 - 854, DOI: <a href="https://doi.org/10.1109/ICETECH.2016.7569367">10.1109/ICETECH.2016.7569367</a> .

	Techniques for Plant Seed Images		
10	<b><u>S.Suguna&amp; B. Gomathi</u></b>  A Novel Semantic Approach in E-Learning Information Retrieval System	<b>IEEE International Conference on “Engineering and Technology (ICETECH)”</b>	Organized by the Department of CSE and IT, RTHINAM technical Campus, Coimbatore, TN, India,during17th & 18th March 2016,Pages: 945 - 951, DOI: <a href="https://doi.org/10.1109/ICETECH.2016.7569374">10.1109/ICETECH.2016.7569374</a> . 978-1-4673-9916-6/16
11	<b><u>S. Suguna&amp; M. Vithya</u></b>  Analysis of Web Logs using Big Data Tools	<b>International Conference on Innovations in “Computer Science &amp; Technology” (ICICST2016)</b>	Organized by Department of Computer Science & Engineering, Alagappa University, Karaikudi, Tamil nadu, India. April 4-5 2016 PP: 650-654, ISBN No: 978-81-920462-8-0.
12	<b><u>S. Suguna&amp; C. Ranjith Kumar</u></b>  3D CBVR: An Efficient Video Retrieval using MAP Reduce Framework with TB-PCT”	<b>IEEE International Conference on “Inventive Computation Technologies (ICICT 2016) “</b>	Organized by RVS technical campus, 26-27 August 2016 at Coimbatore, Tamil Nadu, India. ISBN No: 978-1-5090-1284-8(Date Added to IEEE Xplore: 19 January 2017, <b>DOI: <a href="https://doi.org/10.1109/INVENTIVE.2016.7823218">10.1109/INVENTIVE.2016.7823218</a>,</b> <b>INSPEC Accession Number: 16616832 )</b>
13	<b><u>S. Suguna, M. Vithya&amp; J.I. Christy Eunaicy</u></b>  Big Data Analysis in E-commerce System Using HadoopMapReduces	<b>IEEE International Conference on “Inventive Computation Technologies (ICICT 2016) “</b>	Organized by RVS technical campus and Intentional Research Organization, India, Vol. 2, Pages 1-6, 26-27 August 2016 at Coimbatore, Tamil Nadu, India. ISBN No: 978-1-5090-1284-8. DOI:10.1109/INVENTIVE.2016.7824798 Date added to IEEE Explorer 19 <sup>th</sup> January, 2017. INSPEC Accession Number:16604720
14	<b><u>S. Suguna, Annbuselvi K, &amp; Shanthi N</u></b>  Excellences of Combining Gait and Face In Multimodal Biometric	<b>IEEE 2017 International Conference on “Advanced Computing and Communication Systems (ICACCS - 2015)”</b>	Organizing Chair / ICACCS 2017 Sri Eshwar College of Engineering Kondampatti [P.O], Vadasithur [via] Kinathukadavu, Coimbatore - 641 202 Tamil Nadu. India. Jan. 06 – 07, 2017, Coimbatore, INDIA

	System: A Contemporary Study		
15	<b><u>S. Suguna &amp; H.SalomeHemac hitra</u></b>  A contraption endorsed Indian pulse seed recognition system with quality determination prioritizing compound imaging techniques	<b>IEEE International Conference on</b> “Algorithms , Methodology, Models and Applications in Emerging Technologies-(ICAMMAET)”	Organizedby Barath Institute of Higher Education and Research 16 <sup>th</sup> – 18 <sup>th</sup> Feb-2017, Chennai, TN India.
16	<b><u>S. Suguna &amp; H.SalomeHemac hitra</u></b>  A Novel Framework for Quality Analysis and Evaluation of Indian Pulse Seed using Imaging Techniques	Journal Publication and Presentation in “9th International conference on Upcoming Researches in Engineering, science & Business, ICURES B 2017	Accepted Papers Will Be Published in <b>Anna University, Annexure-II Scopus, Thomson Reuters (ISI), Google Scholar</b> International Journals 16 And 17 <sup>th</sup> June, Hyderabad, India <b>(Accepted)</b>
17	<b><u>S. Suguna&amp; C. Ranjith Kumar</u></b>  A Powerful and Light Weight 3D Video Retrieval using 3D Images over Hadoop MapReduce	Journal Publication (Springer – SCOPUS Indexed Journal) and Presentation in “ 2017 International Conference on Computational Vision and Bio Inspired Computing (ICCVBIC)	Organized by RVS technical campus, 21-22 September 2017 at Coimbatore, Tamil Nadu, India. (Presented and Accepted for journal publications)



18	<p><b><u>S. Suguna &amp; J.I. Christy Eunaicy</u></b></p> <p>Research Issues and Challenges in Web Usage Mining</p>	<p>International Conference on Global Talent Management in the Digital Era</p>	<p>Organized by Department of MBA, MCA &amp; M. Sc. IT, Fatima College (A), Madurai on 13<sup>th</sup> September 2017.</p>
19	<p><b><u>S. Suguna &amp; H.SalomeHemac hitra</u></b></p> <p>Optimal Algorithm For Inner &amp; Outer Region Detection of Indian Pulse Seed Varieties for Feature Extraction and Classification Process</p>	<p>Journal Publication (Elsevier – SCOPUS Indexed Journal) Presentation in 1st International Conference on Universal Computing, Communications and Data Engineering, UNICODE 2018</p>	<p>Organized by Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam, Tirupati February 7-8, 2018 Available at SSRN: <a href="https://ssrn.com/abstract=3165324">https://ssrn.com/abstract=3165324</a> or <a href="http://dx.doi.org/10.2139/ssrn.3165324">http://dx.doi.org/10.2139/ssrn.3165324</a></p>
20	<p><b><u>S. Suguna &amp; M. Vithya</u></b></p> <p>Optimal Algorithms for Preprocessing of Server Side Web Logs Using Parallel Computing and HBASE</p>	<p>Journal Publication (Elsevier – SCOPUS Indexed Journal) Presentation in 1st International Conference on Universal Computing, Communications and Data Engineering, UNICODE 2018</p>	<p>Organized by Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam, Tirupati February 7-8, 2018 Available at SSRN: <a href="https://ssrn.com/abstract=3165312">https://ssrn.com/abstract=3165312</a> or <a href="http://dx.doi.org/10.2139/ssrn.3165312">http://dx.doi.org/10.2139/ssrn.3165312</a></p>
	<p><b><u>S. Suguna &amp; R. Barani</u></b></p> <p>Intensified Task Scheduling Algorithm for Load balancing in cloud computing</p>	<p>Journal Publication (Elsevier – SCOPUS Indexed Journal) Presentation in 1st</p>	<p>Organized by Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam, Tirupati February 7-8, 2018 Available at SSRN: <a href="https://ssrn.com/abstract=3165291">https://ssrn.com/abstract=3165291</a> or <a href="http://dx.doi.org/10.2139/ssrn.3165291">http://dx.doi.org/10.2139/ssrn.3165291</a></p>

		International Conference on Universal Computing, Communications and Data Engineering, UNICODE 2018	
21	<p><b><u>S. Suguna &amp; G. Sudha</u></b></p> <p>A Survey on Contribution of Visual Analytics in Health Care Domain</p>	<p>Journal Publication (Elsevier – SCOPUS Indexed Journal) Presentation in 1st International Conference on Universal Computing, Communications and Data Engineering, UNICODE 2018</p>	<p>Organized by Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam, Tirupati February 7-8, 2018</p> <p>SSRN: <a href="https://ssrn.com/abstract=3165309">https://ssrn.com/abstract=3165309</a> or <a href="http://dx.doi.org/10.2139/ssrn.3165309">http://dx.doi.org/10.2139/ssrn.3165309</a></p>
22	<p><b><u>S. Suguna &amp; G. Sudha</u></b></p> <p>A survey on Visualization and Visual analytic technique in Weather analysis and forecasting Applications</p>	<p>International Conference on Big data Analytics and Intelligence Technologies (ICBAIT-2018)</p>	<p>Jointly Organized by Department of Computer Science, Madurai Kamaraj University and University of Maribor, Slovenia on March 1-2, 2018.</p> <p>ISBN: 978-93-87102-94-1 Pp: 115 - 120</p>
23	<p><b><u>S. Suguna, &amp; J.I. Christy Eunaicy</u></b></p> <p>Personalization and Recommender Issues: A Study</p>	<p>International Conference on Big data Analytics and Intelligence Technologies (ICBAIT-2018)</p>	<p>Jointly Organized by Department of Computer Science, Madurai Kamaraj University and University of Maribor, Slovenia on March 1-2, 2018.</p> <p>ISBN: 978-93-87102-94-1 Pp: 9 – 15</p>
24	<p><b><u>M. Thangaraj, B. Gomathi &amp; S.Suguna</u></b></p> <p>Personalized Course</p>	<p>International Conference on Big data Analytics and Intelligence Technologies</p>	<p>Jointly Organized by Department of Computer Science, Madurai Kamaraj University and University of Maribor, Slovenia on March 1-2, 2018.</p> <p>ISBN: 978-93-87102-94-1 Pp: 16 – 22</p>

	Recommendation Issues: A Study	(ICBAIT-2018)	
25	<b><u>G. Arumugam, S. Suguna &amp; M. Vithya</u></b>  Parallel Computing Techniques for Predictive Prefetching of Server Side Pages	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 on March 1-2, 2018.  ISBN: 978-93-87102-94-1 Pp: 239 – 244
26	<b><u>S. Suguna &amp; R. Barani</u></b>  Analysis of Task Scheduling Algorithms in Cloud Computing	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 on March 1-2, 2018.  ISBN: 978-93-87102-94-1 Pp: 250 – 254
27	<b><u>M. Thangaraj, S. Suguna &amp; H.SalomeHemachitra</u></b>  A Novel Framework for Quality Analysis and Evaluation of Indian Pulse Seed using Imaging Techniques	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 on March 1-2, 2018.  ISBN: 978-93-87102-94-1 Pp: 218 – 227
28	<b><u>S. Suguna &amp; Melba Rosalind J</u></b>  Implications of Machine Learning Tools in Educational Big Data Analytics	International Conference on Innovations in Engineering and Industrial Applications 2018	Organized by K.L.N College of Engineering, Pottapalayam, Sivagangai (Dist) held on 11 <sup>th</sup> and 12 <sup>th</sup> May, 2018
29	<b><u>S. Suguna &amp; G. Sudha</u></b>  Deriving Insight	2 <sup>nd</sup> International Conference on Universal Computing,	Organized by Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam, Tirupati February 1- 2, 2019

	through Visual Analytics on weather data	Communications and Data Engineering, UNICODE 2019	
30	<b><u>S. Suguna &amp; M. Vithya</u></b> Recommendation System based on Optimal Feature Selection Algorithm for Predictive Analysis	2 <sup>nd</sup> International Conference on Universal Computing, Communications and Data Engineering, UNICODE 2019	Organized by Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam, Tirupati February 1- 2, 2019
31	<b><u>S. Suguna &amp; B. Gomathi</u></b> A framework for semantic based personalized web-based search engine for eLearning	2 <sup>nd</sup> International Conference on Universal Computing, Communications and Data Engineering, UNICODE 2019	Organized by Department of Computer Science, Sri Padmavati Mahila Visvavidyalayam, Tirupati February 1- 2, 2019

#### B. JOURNAL PUBLICATION DETAILS:

S. No.	Author & Paper Title	National / International Level Journal	Journal Details
1	<b>S. Suguna</b> Evolution of Database Technology	National Journal – Article	OD Communication June 2004 pages: 33 – 35
2	<b><u>Dr. M. Thangaraj &amp; S. Suguna</u></b> A Study on Efficiency of Cryptographic Algorithm	International Journal – ISSN: 0972-7779	ACCST RESEARCH JOURNAL, BIHAR” – Vol: IV(1): 53-61, January, 2006.
3	<b><u>Dr. G. Arumugam &amp; S. Suguna</u></b> Predictive Prefetching Framework Based on New Preprocessing Algorithms Towards Latency Reduction	International Journal – ISSN: 1682-3915	Asian Journal of Information Technology 7 (3): 87-99, 2008
4	<b><u>Dr. G. Arumugam &amp; S. Suguna</u></b>	Published in IEEE Explorer - June 2009. Pages: 1-6, ISBN: 978-2-9532-4431-1.	

	Optimal Algorithms for Generation of User Session Sequences Using Server Side Web User Logs		
5	<b><u>Dr. G. Arumugam &amp; S. Suguna</u></b>  Study on Efficiency of Predictive Prefetching and Caching Algorithms	International Journal – ISSN: 0976 - 8491 (Online) ISSN: 2229 -4333 (print) Impact Factor Science Central : 30.06 SJIF : 7.481 Global Impact Factor : 0.657	International Journal of Computer Science and Technology, Vol. 3, Issue 4, Oct – Dec 2012, Pages: 802 – 809
6	<b><u>S.Suguna &amp; B. Gomathi</u></b>  Comparison between Clustering Algorithms based on Ontology based Text Mining Techniques	International Journal – ISSN: 0976 – 5697 <b>ISRAJIF: 3.727</b> ( <a href="http://www.israjif.org/single.php?did=0976-5697">http://www.israjif.org/single.php?did=0976-5697</a> )  <b>GIF:0.765</b>  ( <a href="http://globalimpactfactor.com/international-journal-of-advanced-research-in-computer-science/">http://globalimpactfactor.com/international-journal-of-advanced-research-in-computer-science/</a> )  <b>SJIF: 7.234</b>  ( <a href="http://sjifactor.com/passport.php?id=8499">http://sjifactor.com/passport.php?id=8499</a> )	International Journal of Advanced Research in Computer Science Vol 5, No. 7, pages: 93 – 97, Sep – Oct 2014.
7	<b><u>S. Suguna &amp; R. Barani</u></b>  Simulation of Dynamic Load Balancing Algorithms	International Journal ISSN: 2277-5099/Copyright 2015 Bonfring (0.375 IF)	Bonfring International Journal of Software Engineering and Soft Computing, Vol. 5, No. 1, July 2015 DOI:10.9756/BIJSEC.8061
8	<b><u>S.Suguna, V. Sundara Vadivelu &amp; B. Gomathi</u></b>  Framework for Semi-Supervised Clustering based on Color	International Journal – ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645 5.07 (IF)	International Journal of Science and Technology Vol 8(28), IPL0651, October 2015 Scopus Indexed and Anna University Annexure II.

	Constraints to Enhance Text Mining		
9	<b><u>S. Suguna &amp; M. Vithya</u></b> Enhancement of Sales Promotion using Clustering Techniques in Data Mart	International Journal – ISSN:2277-03061	International Journal of Computers and Technology, Council of Innovative Research, vol.15 No.2, pp:6525 – 6533, December 2015
10	<b><u>S. Suguna &amp; C. Ranjith Kumar</u></b> Semantic based image and video retrieval techniques: a comparative study	Print ISSN-0973-4562 Online ISSN-1087-1090 0.21 (IF)	International Journal of Applied Engineering Research (IJAER) [Scopus Indexed - Anna University Annexure 2 level Journal] Volume 10, Number 18 (2015) pp 38812-38819 © Research India Publications.
11	<b><u>S. Suguna &amp; C. Ranjith Kumar</u></b> State Of The Art: A Summary of Semantic Image and Video Retrieval Technique	International Journal – Print ISSN : 0974-6846 Online ISSN : 0974-5645 5.07 (IF)	International Journal of Science and Technology, Vol 8(35), Pages:1-12 DOI: 10.17485/ijst/2015/v8i35/77061, December 2015 – Scopus Indexed and Anna University Annexure II.
12	<b><u>S. Suguna &amp; H.SalomeHemachitra</u></b> A Survey on Image Analysis Techniques in Agricultural Product	International Journal – Print ISSN : 0974-6846 Online ISSN : 0974-5645 5.07 (IF)	Indian Journal of Science and Technology, Vol 9(12), March 2016. DOI: 10.17485/ijst/2016/v9i12/77171, March 2016. – Scopus Indexed Journal, Anna University Annexure-II.
13	<b><u>S. Suguna, &amp; J.I. Christy Eunaicy</u></b> An Analysis on Recent Reviews Pertaining to Web Mining and its Application Domains	International Journal – ISSN: 2231-2803 2.75(IF)	International Journal of Computer Trends and Technology (IJCTT) – Vol. 34, No. 1, April 2016, Pages 6 – 11
14	<b><u>S. Suguna &amp; M. Vithya</u></b> Analysis of Web Logs Using Big Data Tools	International Journal ISSN: 2394-3777 (Print), ISSN 2394-3785 (online). 5.338 (IF)	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), Volume 3, Issue 20, Pages: 1 – 5, April 2016 (id: document_2_R4UF_24062016), DOI: 10.20247/IJRTET.2016.S200400151
15	<b><u>S. Suguna, &amp; J.I. Christy Eunaicy</u></b> A Comparative Study on Clustering Algorithms in Web Usage Mining	International Journal – ISSN: 2454 - 4558	An International Journal Multi disciplinary Bi-Annual Journal – Vol. 1, No.2, Pages: 1 – 8, Dec – May 2016.

16	<b><u>S. Suguna, &amp; J.I. Christy Eunaicy</u></b>  Personalization using Web Usage Mining Techniques	International Journal – ISSN: 2454 - 4558	An International Journal Multi disciplinary Bi-Annual Journal – Vol. 2, No.2, pages: 35 - 37 Dec – May 2016.
17	<b><u>S. Suguna, &amp; J.I. Christy Eunaicy</u></b>  The Efficient Data Preprocessing Steps in Web Usage Mining	International Journal – ISSN: 2454 - 4558	An International Journal Multi disciplinary Bi-Annual Journal – Vol. 2, No.1, pages: 1 – 3, Jun - Nov 2016.
18	<b><u>S. Suguna &amp; H. Salome Hema chitra</u></b>  Region Descriptors for cowpea seed [Vigna unguiculata (L.) Walpers CV-GR. Unguiculata E. Westphal] using Image Analysis Techniques	International Journal –  ISSN (Print): 2321-8940  ISSN (Online): 2321-8762 1.307 (IF)	International Journal of Advanced Research in Information and Communication Engineering, Vol. 4, Issue 1, June 2016, Pages: 98-102
19	<b><u>S. Suguna &amp; C. Ranjith Kumar</u></b>  Visual Semantic Based 3D Video Retrieval System Using HDFS	International Journal - ISSN : 1976-7277 0.611 (IF)	KSII TRANSACTIONS ON INTERNET AND INFORMATION SYSTEMS (SCI) VOL. 10, NO. 8, Aug. 2016 pages: 3806 - 3825 Copyright ©2016 KSII Received January 25, 2016; revised May 4, 2016; accepted May 23, 2016; published August 31, 2016 <a href="http://dx.doi.org/10.3837/tiis.2016.08.021">http://dx.doi.org/10.3837/tiis.2016.08.021</a>
20	<b><u>S. Suguna &amp; R. Barani</u></b>  Intensified Task Scheduling Algorithm for Load balancing in cloud computing	International Journal ISSN: 1206-212X	International Journal of computers and Applications (UGC listed scopus indexed journal) (Communicated)
21	<b><u>S. Suguna &amp; H. Salome Hemachitra</u></b>  Optimized Feature Extraction and Classification technique for Indian pulse seed Recognition	International Journal ISSN 2321 – 3469  Copernicus value 8.48 5.85 (IF)	International Journal of Computer Engineering and Applications (IJCEA): Thomson Reuters Research ID: P – 1671 – 2016 UGC Approved Journal (S. No: 44835) Volume XII, Issue 1, Jan. 18 Pg. 421 – 427. <b>ICV:8.48</b>
22	<b><u>S. Suguna &amp; M. Vithya</u></b>  Web Usage Mining	International Journal ISSN 2321 – 3469 Copernicus value 8.48	International Journal of Computer Engineering and Applications (IJCEA): Thomson Reuters Research ID:

	Techniques for E-Commerce Applications: A Survey	5.85 (IF)	P – 1671 – 2016 UGC Approved Journal (S. No: 44835) Volume XII, Issue 1, Jan. 18 Pg. 253 - 263 ICV:8.48
23	<b><u>S. Suguna &amp; Melba Rosalind J</u></b>  Sentiment Analysis Techniques and Applications: A Survey	International Journal ISSN 2321 – 3469 Copernicus value 8.48 5.85 (IF)	International Journal of Computer Engineering and Applications (IJCEA): Thomson Reuters Research ID: P – 1671 – 2016 UGC Approved Journal (S. No: 44835) Volume XII, Issue 1, Jan. 18 Pg. 408 - 414 ICV:8.48
24.	<b><u>S. Suguna &amp; H.SalomeHemachitra</u></b>  Optimal Algorithm for Inner and Outer Region Detection of Indian Pulse Seed Varieties for Feature Extraction and Classification Process	International Journal Elsevier 5.01 (IF)	International Journal of Computing Communications and Data Engineering Series (IADS) SSRN-id3165324 Volume No. 01, Issue No. 03, Jan 11, 2019, Pg. 1 – 6. Elsevier, Scopus Indexed
25.	<b><u>S. Suguna&amp; M. Vithya</u></b>  Optimal Algorithms for Preprocessing of Server side Web Logs using Parallel computing and HBASE	International Journal Elsevier 5.01 (IF)	International Journal of Computing Communications and Data Engineering Series (IADS) SSRN-id3165312 Volume No. 01, Issue No. 03, Jan 2019, Pg. 1 – 6. Elsevier, Scopus Indexed
26.	<b><u>S. Suguna&amp; R. Barani</u></b>  An Intensified Task Scheduling Algorithm for Balancing Load in Cloud Computing Environment	International Journal Elsevier 5.01 (IF)	International Journal of Computing Communications and Data Engineering Series (IADS) SSRN-id3165291 Volume No. 01, Issue No. 03, Jan 11, 2019, Pg. 1 – 6. Elsevier, Scopus Indexed
27.	<b><u>S. Suguna &amp; G. Sudha</u></b>  A Survey on Contribution of Visual Analytics Health Care Domain	International Journal Elsevier 5.01 (IF)	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, Scopus Indexed



28.	<b><u>S. Suguna &amp; Melba Rosalind J</u></b>  Implications of Machine Learning Tools is Educational Big Data Analytics	International Journal ISSN: 0076-5131 Impact Factor: 5.8	Journal of Applied Science and Computations (JASC) ISO: 7021-2008/JASC DOI:16.10089 Volume 5, Issue 6, June - 2018
29.	<b><u>G. Arumugam, S. Suguna &amp; G. Sudha</u></b>  Weather Analysis and Prediction: A Survey with Visual Analytic Perspective	International Journal ISSN: 2349 – 5138 E-ISSN: 2348 – 1269 Cosmos Impact Factor 4.236	International Journal of Research and Analytical Reviews (IJRAR), UGC Approved Research Journal (43602), Pages: 65 – 73, July 2018
30.	<b><u>M. Thangaraj, S. Suguna &amp; H.SalomeHemachitra</u></b>  Quality Determination of Indian Pulse Seed using Imaging Techniques	International Journal ISSN: 2349 – 5138 E-ISSN: 2348 – 1269 Cosmos Impact Factor 4.236	International Journal of Research and Analytical Reviews (IJRAR), UGC Approved Research Journal (43602), Pages: 41 – 53, July 2018
31.	<b><u>M. Thangaraj, B. Gomathi &amp; S.Suguna</u></b>  Semantic Web based Recommender System in E-learning System	International Journal ISSN: 2349 – 5138 E-ISSN: 2348 – 1269 Cosmos Impact Factor 4.236 Impact Factor upto 2018: 5.17 as per h-index calculation	International Journal of Research and Analytical Reviews (IJRAR), UGC Approved Research Journal (43602), Pages: 31 – 40, July 2018
32.	<b><u>G. Arumugam, S. Suguna &amp; M. Vithya</u></b>  A Recommendation System using Parallel Computing Techniques	International Journal ISSN: 2349 – 5138 E-ISSN: 2348 – 1269 Cosmos Impact Factor 4.236 Impact Factor upto 2018: 5.17 as per h-index calculation	International Journal of Research and analytical Reviews (IJRAR), UGC Approved Research Journal (43602), Pages: 21 – 30, July 2018
33.	<b><u>S. Suguna &amp; R. Barani</u></b>  Enhanced Algorithm for Scheduling Task In Cloud Computing	International Journal ISSN: 2349 – 5138 E-ISSN: 2348 – 1269 Cosmos Impact Factor 4.236 Impact Factor upto 2018: 5.17 as per h-index calculation	International Journal of Research and Reviews (IJRAR), UGC Approved Research Journal (43602), Pages: 163– 169, July 2018
34.	<b><u>S. Suguna, &amp; J.I. Christy Eunaicy</u></b>  Personalization and Recommendation Issues: A Study	International Journal ISSN: 2349 – 5138 E-ISSN: 2348 – 1269 Cosmos Impact Factor 4.236 Impact Factor upto	International Journal of Research and Reviews (IJRAR), UGC Approved Research Journal (43602), Pages: 113 – 119, July 2018

		2018: 5.17 as per h-index calculation	
35.	<b><u>G. Sudha, M. Thangaraj &amp; S. Suguna</u></b>  Numerical weather analysis using statistical modeling as Visual Analytics Technique	International Journal	Advances in Intelligent Systems and Computing, SPRINGER series, Feburary,2019 (accepted).
36.	<b><u>S. Suguna&amp; M. Vithya</u></b>  Recommendation System based on Optimal Feature Selection Algorithm for Predictive Analysis	International Journal	Advances in Intelligent Systems and Computing, SPRINGER series, Feburary,2019 (accepted).
37.	<b><u>S. Suguna &amp; B. Gomathi</u></b>  A framework for semantic based personalized web-based search engine for eLearning	International Journal	Advances in Intelligent Systems and Computing, SPRINGER series, Feburary,2019 (accepted).
38.	<b><u>S.Suguna, V. SundaraVadivelu&amp;</u></b>  An Extensive Survey On Personalized And Secured E-Leaning systems Using Data Mining Process	International Journal UGC Approved and SOCPUS Indexed Journal International Journal ISSN: 2349 – 5138 E-ISSN: 2348 – 1269 Cosmos Impact Factor 4.236 Impact Factor upto 2018: 5.17 as per h-index calculation	International Journal of Research And Analytical Reviews. LJRAR19J1085, January 2019, Vol. 6, Issue 1, pages: 627 – 631. UGC Approved Research Journal (43602)
39.	<b><u>S. Suguna &amp; D. Gitanjali</u></b>  A Survey on Educational Data Mining Techniques in Predicting Student's PErformance	International Journal ISSN: 2349 – 5138 E-ISSN: 2348 – 1269 Cosmos Impact Factor 4.236 Impact Factor upto 2019: 5.75 as per h-index calculation	International Journal of Research and Reviews (IJRAR), UGC Approved Research Journal (43602), Vol. 6, Issue 2 (Paper ID: IJRAR19K5298, Registration ID: 202064) Pages:, April 2019
40.	<b><u>S. Suguna &amp; D. Gitanjali</u></b>  Analysis and Prediction of Students Performance Based on Multi-Domain	International Journal ISSN: 2349 – 5138 E-ISSN: 2348 – 1269 Cosmos Impact Factor 4.236 Impact Factor upto 2019: 5.75 as per h-	International Journal of Research and Reviews (IJRAR), UGC Approved Research Journal (43602), Vol. 6, Issue 2 (Paper ID: IJRAR19K5298, Registration ID: 202064)

		index calculation	Pages:, April 2019
41.	<b><u>S.Suguna, V. SundaraVadivelu&amp;</u></b>  Personalized and Secured e-Learning System based on Clustering	International Journal UGC Approved and SOCPUS Indexed Journal (UGC CARE Source Id: 20500195215) ISSN: 1943-023X Journal No. 26301 SJR 2018 0.112 Cite Score : 0.31 Total Citations: 363	Journal Of Advanced Research in Dynamical & Control Systems (Advanced Scientific Research) Vol. 11, No. 06 pages: 339 – 350, Special Issued, May 2019
42.	<b><u>S. Suguna, &amp; R. Barani</u></b>  A Cost-Deadline based Task Scheduling Algorithm in IaaS Cloud Computing Environment	International Journal UGC Approved and SOCPUS Indexed Journal (UGC CARE Source Id: 20500195215) ISSN: 1943-023X Journal No. 26301 SJR 2018 0.112 Cite Score : 0.31 Total Citations : 363	Journal Of Advanced Research in Dynamical & Control Systems (Advanced Scientific Research) Vol. 11, No. 05 pages:96 - 101 -Special Issued, 2019
43.	<b><u>S. Suguna, &amp; J.I. Christy Eunaicy</u></b>  Personalization of the User Behavior Patterns based on the Web Content Mining	International Journal UGC Approved Journal (ID: 63072) ISSN NO:2236-6124 SCOPUS suggested ID: 10J6CF07B9446F97 Impact Factor: 5.7	International Journal of Research Volume VIII, Issue VI, JUNE/2019 Page No:1029 - 1043
44.	<b><u>S. Suguna, &amp; J.I. Christy Eunaicy</u></b>  User Classification and Optimized Recommendation System based on User Profile Generation Using Web Usage Mining	International Journal UGC Approved and SOCPUS Indexed Journal (UGC CARE List Source Id: 20500195215) ISSN: 1943-023X Journal No. 26301 SJR 2018 0.112 Cite Score : 0.31 Total Citations : 363	Jour of Adv Research in Dynamical & Control Systems, Vol. 11, 06-Special Issue, Pages: 351 – 365, 2019
45.	<b><u>S. Suguna, &amp; J.I. Christy Eunaicy</u></b>  Adaptive and Optimization of Personalized Information Retrieval Model in	International Journal UGC Approved and Elsevier and SCOPUS Indexed Journal (UGC CARE List Source Id:22773878, 206) ISSN: 2277 – 3878	International Journal of Recent Technology and Engineering (Accepted for Publications)

	Semantic Web	B Impact Factor : 5.92 for the year 2018.	
46.	<b><u>S. Suguna, &amp; R. Barani</u></b> Deadline Aware Prioritized Task Scheduling Algorithm in Cloud Computing	International Journal UGC Approved and Elsevier and SCOPUS Indexed Journal (UGC CARE List Source Id:22773878,206 ) ISSN: 2277 – 3878 B Impact Factor : 5.92 for the year 2018.	International Journal of Recent Technology and Engineering (Accepted for Publications)

### 15. NATIONAL PUBLICATIONS: CONFERENCE

S. No.	Author & Paper Title	National / International Level Conferences / Seminars and its Title	Conference / Seminar Details
<b>NATIONAL CONFERENCE – PAPER PRESENTATIONS and PARTICIPATIONS</b>			
1	<b><u>Dr. M. Thangaraj &amp; S. Suguna</u></b> A Study Of Cryptographic Algorithms	<b>National Level Conference –</b> “Emerging Trends In Communication Networks And Internet Applications”	Adhiyamman College of Engineering, Hosur from January 6-7, pages: 116 – 122 2005
2	<b><u>Dr. G. Arumugam &amp; S. Suguna</u></b> Analysis Of Personalization Issues In Web Ming	<b>National Level Conference –</b> WINGS 2006	K.L.N.College of Engineering, Pottapalayam, from March 9-10, pages: 293 – 301, 2006
3	<b><u>Dr. G. Arumugam &amp; S. Suguna</u></b> Analysis Of Prefetching And Caching Issues In Web Mining	<b>National Level Conference –</b> “Knowledge Management & Data Mining 2006”	PSNA College of Engineering, Dindigul on April 4 <sup>th</sup> , 2006 Pages: 68 – 74
4	<b><u>S.Suguna, &amp; V. Sundara Vadivelu</u></b> Semi-supervised clustering algorithm for text mining	<b>National Level Seminar –</b> “Recent Trends in Web Technologies”	Madurai Sivakasi Nadars Pioneer Meenakshi Women’s College, Poovanthi on Feb 20 <sup>th</sup> , 2015 Pages: 32-39
5	<b><u>S. Suguna &amp; R. Barani</u></b> Cloud computing with Big data	National level conference – “Recent trends in soft computing and Data mining Techniques”	Kongu College of Arts and Science, Karur on 26 Feb 2015
6	<b><u>S. Suguna &amp; R. Barani</u></b> Analysis of Load Balancing Algorithms in Cloud	<b>National Level Conference (UGC Sponsored)–</b> “Recent Advances in Computer Science and Applications”	Gandhigram Rural Institute – Deemed University, Gandhigram from March 19-20, 2015, pages: 171 – 174

	Computing		ISBN 978-93-84743-4 – Published by Bonfring
7	<b><u>S. Suguna &amp; R. Barani</u></b> Big Data and Cloud Computing	<b>National Conference on</b> “Emerging Trends on Computer Applications, Commerce and Management”	Organized by Chettinad College of Engineering and Technology at Karur on 29.01.2016.
8	<b><u>S. Suguna &amp; R. Barani</u></b> Challenges of Cloud Computing in Big data	<b>National Conference on</b> “Data Mining with Big data”	Organized by Sri Sarada Niketan College of Science for Women, held on Feb 24&25 2016.
9	<b><u>S. Suguna &amp; H. Salome Hemachitra</u></b> Optimized Feature Extraction and Classification technique for Indian pulse seed Recognition	National Level Conference on “Data Science, Communication & Multimedia”	Organized by the Department of Computer Science, Information Technology, Software & Computer Applications held at NPR Arts and Science College, Natham on 29 <sup>th</sup> December, 2017.
10	<b><u>S. Suguna &amp; M. Vithya</u></b> Web Usage Mining Techniques for E-Commerce Applications: A Survey	National Level Conference on “Data Science, Communication & Multimedia”	Organized by the Department of Computer Science, Information Technology, Software & Computer Applications held at NPR Arts and Science College, Natham on 29 <sup>th</sup> December, 2017.
11	<b><u>S. Suguna &amp; Melba Rosalind J</u></b> Sentiment Analysis Techniques and Applications: A Survey	National Level Conference on “Data Science, Communication & Multimedia”	Organized by the Department of Computer Science, Information Technology, Software & Computer Applications held at NPR Arts and Science College, Natham on 29 <sup>th</sup> December, 2017.

16. REVIEWER FOR INTERNATIONAL/NATIONAL.STATE LEVEL CONFERENCES:

S.No	Topic	Date	Venue
<b>REVIEWER FOR CONFERENCE</b>			
1	Reviewer of technical papers	March 2018	International Conference on Big data Analytics and Intelligence Technologies (ICBAIT-2018) March 1 & 2, 2018, Jointly Organized by Department of Computer Science, Madurai Kamaraj University and University of Maribor, Slovenia.
2	Reviewer of technical papers	February 2019	International Conference on New Frontiers in Mathematics and Computing’ – ICNFM 2019 18 <sup>th</sup> & 19 <sup>th</sup> February 2019 jointly

			organized by Department of Computer Science and Mathematics Department of Lady Doak college, Madurai
3	Reviewer of technical papers	August 2019	International Conference on Soft Computing and Optimizing Techniques (ICSO'19), 09 <sup>th</sup> & 10 <sup>th</sup> August, 2019 Organized by Research Department of Department of Computer Science, Kamaraj College (affiliated to Manonmaniam Sundaranar University), Thoothukudi – 628 003, TamilNadu, India

17. CHAIR PERSON FOR INTERNATIONAL/NATIONAL/STATE CONFERENCES:

S.No	Topic	Date	Venue
<b>CONFERENCE CHAIR PERSON</b>			
1	Chaired the paper presentation technical session	29-12-2018	<b>National Level Conference titled “Data Science, Communication &amp; Multimedia”</b> organized by the Department of Computer Science, Information Technology, Software & Computer Applications held at NPR Arts and Science College, Natham.
26	Chaired the paper presentation technical session	March 1-2, 2018	<b>International Conference on Big data Analytics and Intelligence Technologies (ICBAIT-2018)</b> Jointly Organized by Department of Computer Science, Madurai Kamaraj University and University of Maribor, Slovenia.
3	Chaired the paper presentation technical session	18-02-2019	International Conference on “New Frontiers in Mathematics and Computing” – ICNFM 2019, 18 <sup>th</sup> & 19 <sup>th</sup> February 2019, organized by the Departments of Computer Science, & Mathematics, Lady Doak College, Madurai

18. TECHNICAL TALKS DELIVERED:

S.No	Topic	Date	Venue
<b>SEMINAR PRESENTED (Resource Person)</b>			
1	Overview - CORBA & OOP	February 2001	ISTE Chapter, K.L.N. College of Engineering, Pottapalayam
2	Scope of Web mining	03-09-2005	SVN College, Madurai
3	Experience in the International Conference at Abroad	22-07-2006	K.L.N. College of Engineering, Pottapalayam

4	Emerging Trends in High Performance Computing – Analysis of Issues in WebMining	04-12-2009	Academic Staff College, Department of Computer Science M.K. University, Madurai.
5	Internet Technologies	19-02-2012	Yadava Women’s College, Madurai.
6	Research issues in Web mining		<b>UGC sponsored Two day State Level Seminar</b> on “Recent Research Trends in Computer Science” Organized by the Dept. of Computer Science, Sri S. Ramasamy Naidu Memorial College, Sattur, in collaboration with C.I.T.E. M.S. University, Tirunelveli.
7	Internet Computing	07-02-2011	Govt. Arts college (W), Sivaganga– 2011
8	Web Technologies	09-06-2011	Madurai SivakasiNadars Pioneer Meenakshi Women’s college, Pooanthi
9	Research Issues in Data Mining	17-02-2012	M.S University, Dept. of Computer Science and Engineering, Tirunelveli- <b>UGC Sponsored One-day National Level Seminar on Data Mining.</b>
10	Orientation about Web Mining	03-02-2012	V.V.V College for Women, Virudhunagar, 25 <sup>th</sup> Year Silver Jubilee.
11	Web World Challenges	21-09-2012	Madurai SivakasiNadars Pioneer Meenakshi Women’s college, Pooanthi.
12	Big Data Analytics – Research Perspective	20-02-2015	Department of Information Technology, Madurai sivakasiNadars Pioneer Meenakshi Women’s College, Poovanthi – <b>National Level Seminar on “Recent Trends in Web Technologies”</b>
13	Cloud Computing and its Applications	06-02-2017	UGC Sponsored Department Association Meeting, Department of Computer Science, Sourashtra College Madurai – 4
14	Advancements in Computing Resources – Big Data Tools	04-03-2017	Department of Computer Science & Applications, Sourashtra College Madurai – 4 <b>National Seminar on “Advancements in Computing Resources”</b>
15	<b><u>S. Suguna&amp;Barani</u></b> Integrating Wireless Sensor Networks with Cloud Computing	02-08-2017	Organized by Sri SaradaNiketan College of Science for Women, <b>National Seminar on Wireless sensor Networks.</b>
16	Web Analytics	15-02-2019	State Level Intercollegiate Students’ Seminar (Under UGC Autonomy Grant) on Impacts of Wireless Sensor Networks in Environmental Monitoring Systems on 15-02-2019, organized by Department of Computer Science, Thiagarajar College, Madurai – 625 009.
<b>RESEARCH PROGRAMMES (Resource Person / External Expert)</b>			
17	<b>Research Convention – Path Finder – Explore, Experiment,</b>	5 <sup>th</sup> – 7 <sup>th</sup> February 2014	Avinashilingam Institute for Home Science and Higher Education for Women,

	Elucidate Research (Resource Person)		Coimbatore – 641043
18	Open Research Problems in Computer Science (Resource Person)	13-03-2015	Department of Computer Science, Ayya Nadar Janaki Ammal College, Sivakasi – 626 124 – <b>Cluster Meeting of Computer Science Faculty Members</b>
19	Doctoral Research Committee (DRC) meeting – Ph. D New Scholars Registration (External Expert)	01-08-2019	Department of Computer Applications, School of computing, Kalasalingam University, Krishnankovil

19. SEMINAR/ SYMPOSIA / WORKSHOP CONDUCTED:

S.No	Topic	Date	Venue
<b>WORK SHOPS (Resource Person)</b>			
1	Web Usage Mining and its Tools	27-02-2015	Department of Computer Science, Lady Doak College, Madurai – 625 002 – <b>State Level Workshop on Big Data Analytics, Mining and Tools”</b>
2	Research Directions	09-10-2015	P.G. Department of Computer Science, V.O.Chidambaram College, Thoothukudi <b>Conducted a One day State level workshop on, ”Research Directions In Computing Techniques For Datamining And Image Analysis”</b>
3	Overview of Tools and Techniques – Data Mining and Image Processing	23-09-2016	Department of Information Technology, Madurai SivakasiNadars Pioneer Meenakshi Women’s College, Poovanthi – <b>Conducted a One day State Level Work Shop on “Tools and Techniques of Semantic and Image Analysis” Technologies”</b>
4	Recent trends in Digital Image Processing	27-08-2018	<b>A One day State Level Workshop On Hands on Training in Digital Image Processing using MATLAB Research Approach</b> (Bridging Concepts to Practices) 27th August 2018 (Monday) Organized by Department Of Computer Science, Govt. Arts College for Women, Nilakottai.
5	Data Mining Tools for Social Domain	25-10-2018	<b>Conducted a One day Workshop On Hands on Training on Data Mining Tools for Social Domain</b> on 25-10-2018 Organized by Department Of Computer Science, VVV College for Women(A), Virudhunagar.



20. GUIDANCE FOR M.Phil :

S.NO	NAME OF THE STUDENT	M.Phil	UNIVERSITY	YEAR
1.	GITANJALI. D (MPH18CS0158)	M. Phil., Computer Science (regular) Predictive Analysis of Students Performance Based on Multi- domain	Madurai Kamaraj University, Madurai	2018 - 2019

21. GUIDANCE FOR Ph.D (RESEARCH SUPERVISOR) : MADURAI KAMARAJ UNIVERSITY

Research Supervisor to guide Ph.D. registrants (both Full time and Part Time) – 1429 (S2/Ph.D/Guide Recogn/2014 in Computer Science of Madura KamarajUniveristy, Madurai – Three Candidates Registered.

S.No	Name of the Candidate	Date of Registration	Title of Research Work	Status
1.	Mrs. B. Gomathi	12-05-2015 P3871	Ontology based Text Mining with Efficient Indexing, Ranking and Grading Mechanisms on Social Network Analysis”	Course Work Completed
2.	Ms. M. Vithya	19-06-2015 P3914	Big Data Analytics Towards Information Retrieval	Pre Viva Completed
3.	Ms. H. Salome Hemachitra	12-02-2015	Encapsulated Indian Pulse Seed Recognition System with Quality Determination	Viva Completed on 2 <sup>nd</sup> April, 2018
4.	Ms. J. Melba Rosalind	04-05-2018 P5270	Sentiment Analysis for Predicting Students Performance Based on Learning Strategies	Course Work Completed
5.	Ms. G. Sudha	19-07-2018 P5360	Performance Analysis of Visual Analytics on Adaptation of various Functional Models	Course Work Completed

22. GUIDANCE FOR Ph.D (RESEARCH SUPERVISOR) : BHARATHIAR UNIVERSITY

Research Supervisor to guide Ph.D. registrants (as External - 2014) in Computer Science of Bharathiar University, Coimbatore.

S.No	Name of the Candidate	Date of Registration	Title of Research Work	Status
1	Mr.V.SundaraVadivelu	01-08-2014 (Ph.D-CB- JUL2014-0648)	Personalized secured eLearning using clustering techniques	Synopsis submitted
2	Ms. J.I. Christy Eunaicy	01-08-2014 (Ph.D-CB- JUL2014-0556)	Data Mining – Information Retrieval	Synopsis submitted
3	Mr. C. Ranjith Kumar	01-01-2015 (Ph.D-CB- DEC2014-0608)	3-Dimensional Video Retrieval from Visual Semantics Under HDFS Environment”.	Thesis submitted (October 2018)
4	Mrs. R. Barani	01-01-2015 (Ph.D-CB- DEC2014-0485)	Cloud Computing – Big Data	Synopsis submitted

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

#### **POSTS, OFFICE & MEMBERSHIPS HELD IN ACADEMIC BODIES**

##### **BOARD OF STUDIES:**

- Expert in Board of studies from 2013 to 2016 for M.C.A – Sri S. Ramasamy Naidu Memorial College, Sattur.
- Expert in Board of studies for the year 2014 to 2015 for M.C.A – Yadava Women’s College, Madurai.
- BOS Incharge (2016 – 2018) – MCA Department, Sri Meenakshi Govt. Arts College for Women(A), Madurai.
- BOS Incharge for B. Sc., M. Sc., & M. Phil., (from 2018) – Computer Science Department, Sri Meenakshi Govt. Arts College for Women(A), Madurai.
- BOS Subject Incharge (2019 – 2020) – Lady Doak College, Department of Computer Science, Madurai

##### **HEAD OF THE DEPARTMENT**

- Head of the Department in Computer Science Department of Raja DoraiSingam Govt. Arts College, Sivagangai from July 2010 to August 2012.

##### **INTERVIEW PANEL MEMBER (SUBJECT EXPERT)**

- Interview Panel Member (Subject Expert) to recruit faculty members in Information Technology department of Madurai SivakasiNadars Pioneer Meenakshi Women’s College, Poovanthi.

### **BOOKS AUTHORED**

- As Author I prepared course material for the subjects System Software for the Distance Education Programme of Madurai Kamaraj University, Madurai

**EXAMINER :** External Examiner for UG , PG, M.Phil Computer Science.

### **TEACHING AWARD**

1. Received sum of Rs. 1500/- from Tata Mc\_Hill for the comments to the typescripts Microprocessor and Micro Controller and Object Oriented Analysis and Design.
2. Cash award of Rs. 1000/- by KLNCE Management for 100% results in University Examinations.

### **TRAINING INCHARGE**

- IBM Ambassador for training the IBM DB2 software for Engineering college students (2005 – 2007).

### **REVIEW COMMITTEE MEMBER**

- Peer Review Committee Members – Research Journal of SRNMC
- Peer Review Committee Members – ANJAC Journal of Sciences (ISSN: 0972 – 6012)
- Reviewer for Journal of King Saud University - Computer and Information Sciences (SCOPUS INDEXED – Elsevier)

### **OFFICE AUTOMATION**

- Developed the software (2017) for TC automation, Admission Register Automation software – Sri Meenakshi Govt. Arts College for Women(A), Madurai.
- Integrated the Transfer Certificate Automation System with Admission Register Automation Software in the Academic Year 2018 – 2019.
- Developed the software (2019 – 2020) for single window system Admission process for Sri Meenakshi Govt. Arts College for Women(A), Madurai.

### **CHIEF SUPERINTENDENT**

- Acted as one of the Chief Superintendent in conduct of entrance examination for All India Civil services Coaching Centre, Chennai – 28 on 18-11-2018 in Sri Meenakshi Govt. Arts College for Women(A), Madurai – 02.

### **PRESIDING OFFICER**

- Acted as a Presiding Officer (Unique No. 2415900): AC / Zone No : 189 – 21 of General elections to Lok Sabha – 2019 (32 – Madurai Parliamentary Constituency; Date of Poll: 18.04.2019 (Thursday)).
- **Received the BEST PAPER AWARD for the following Papers** in the 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:
  1. A Novel Framework for Quality Analysis and Evaluation of Indian Pulse Seed using Imaging Techniques.
  2. Parallel Computing Techniques for Predictive Prefetching of Server Side Pages.

### **COMMITTEES ORGANIZED**

- 1. Conference Coordinator** – Organized a two day national level conference on “Wireless information and networking in global systems” – WINGS 2006 from 09-03-2006 to 10-03-2006 (K. L.N College of Engineering).
- 2. Symposium Coordinator** – Organized a two day national level symposium VYUHAM '06 during the year 2006 (K.L.N College of Engineering).
- 3. National Level Seminar** – Sanctioned with Rs. 15,000/- by TNSCST and Rs.20,000/- by UGC to conduct one day national level seminar on “Data Mining and Research Directions” during Aug 24, 2012.
- 4. Organized a UGC Sponsored One Day Workshop** - “Research Tools and Techniques in Computer Applications” in the Department of Computer Science, Sri Meenakshi Govt. Arts College, Madurai on 14-02-2013.
- 5. Organizing Committee Member, Editorial Board & Review Committee Member:** 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.

### **SOCIAL SERVICE**

**NSS Co Ordinator** – NSS Program Officer (UNIT 12) from July 2008 – June 2011 (3 Years) in Raja Doraisingam Govt. arts college, Sivagangai.

S N O	ACADEMI C YEAR	CONFERENCE		Attended/ Presented	Journal		Attended/ Presented	Refresher/ Orientation	Project	Resource person
		National	Internatio nal		National	Internation al				
1.	2004 - 2005	4	---	---	---	---	---	---	---	---
2.	2005 – 2006	4	2	---	---	2	---	---	---	1
3.	2006 – 2007	---	---	---	---	---	---	---	---	1
4.	2007 – 2008	3	---	---	---	1	---	Orientation	---	---
5.	2008 – 2009	---	---	---	---	---	---	Refresher	---	---
6.	2009 – 2010	---	1	---	---	1	---	---	---	1
7.	2010 – 2011	---	---	---	---	---	---	---	---	2
8.	2011 – 2012	---	1	---	---	---	---	---	---	3
9.	2012 – 2013	---	---	---	---	1	---	---	---	1
10.	2013 – 2014	---	---	---	---	---	---	---	---	1
11.	2014 – 2015	---	1	---	---	1	---	---	---	3
12.	2015 - 2016	---	3	---	---	8	---	Refresher	---	1
13.	2016 – 2017	---	4	---	---	5	---	---	---	3
14.	2017 – 2018	---	12	---	---	3	---	---	---	2
14.	2018 – 2019	---	4	---	---	13	---	---	---	2
16.	2019 - 2020	---	---	---	---	3(Book Chapter : Springer) + 4 + 2 Accepted for Publications	---	---	---	---

Dr. S. SUGUNA