

Name : K.SARASWATHI  
Designation : Assistant Professor  
Department : Computer Science



#### ACADEMIC QUALIFICATIONS

Course	Subject	University	Year of Passing	Class/ Grade
B.Ed	Computer Science	Tamilnadu Teachers Education University	Apr 2010	FIRST
M.C.A	Computer Applications	Periyar University	Apr 2009	DISTINCTION
M.Phil	Computer Science	Periyar University	June 2008	FIRST
M.sc	Computer Science	Bharathidasan University	Apr 2003	FIRST
B.sc	Computer Science	Bharathidasan University	Apr 2001	FIRST

#### TEACHING EXPERIENCE :

15 Years 3 Months

#### RESEARCH EXPERIENCE IN M.Phil and Ph.D

5 Years 6 Months

#### ADDITIONAL RESPONSIBILITIES :

1. Convener for conducting different competitions in schools.
2. Collected and Prepared Feedback Analysis Report for our department.
3. Convener of Criteria-3(NAAC) in our department.
4. Convener for the Web Design Competition- Think Quest 2017.

**AREA OF RESEARCH :**

Image Mining and Image Processing

**PUBLICATIONS : (for past five years)**

**National Conferences**

S.No.	Name of the Paper	Name of the Conference	Place	Duration/ Date	URL Link
1.	Routing in Packet Switching System Using Path Finding	National Conference on Middleware Technologies	V.M.K.V Engineering College, Salem	05-04-2007	----

	Algorithm				
2.	A Review on Image Mining Techniques	National Conference on Advances in Computer Science and Engineering	Government Science College Bengaluru	16/02/17 & 17/02/17	----
3.	A Review on Edge and Object Detection Methods	National conference on Reaching the Unreached through the Science and Technology	Surana College Bengaluru.	06-10-2017 & 07-10-2017	----
4.	Taxonomy of Dissimilar Stages of Non-Proliferative Diabetic Retinopathy	National Conference (multidisciplinary) on Emerging Trends in Digital Transformation	Government College for Women & PG Centre, Maddur, Mandya, Karnataka	30-07-2018	----

**International Conferences**

S.No.	Name of the Paper	Name of the Conference	Place	Duration/ Date	URL Link
1.	Packet Mark Methodology for Reduce the Congestion	International Conference on Current Trends in Advanced	Kristu Jayanti College Bangalore	15/02/13 & 16/02/13	----

		Computing			
2.	A Survey on Data Mining Trends, Applications and Techniques	International Conference on Recent Innovations in Engineering and Technology	Mahabarat hi Engineering College Vasudevanur Chinnasalem.	13/02/15 & 14/02/15	-----
3.	Diagnosis of Different Stages of Non-Proliferative Diabetic Retinopathy	7 <sup>th</sup> Indo Global Diabetes Summit and Medicare Expo	Hotel Grown Plaza Bengaluru	23/11/15 & 25/11/15	<a href="https://www.omicsonline.org/speaker/saraswathi-k-nehru-memorial-college-india-605906859/">https://www.omicsonline.org/speaker/saraswathi-k-nehru-memorial-college-india-605906859/</a>
4.	Entropy Based Image Retrieval Methodology	International Conference on Advanced Computing	Jamal Mohamed College Trichy	03/12/15 & 04/12/15	----
5.	Classification of Different Stages of Non-Proliferative Diabetic Retinopathy Using Feature Extraction and Image Mining	International Conference on Innovations in information Embedded and Communication Systems	Karbagam College of Engineering Coimbatore	17/03/16 & 18/03/16	----

**PUBLICATIONS IN INTERNATIONAL JOURNALS**

S. No.	Name of the Staff	Title of paper	Year	Name of the Journal	URL Link
1.	K.Saraswathi and Dr.V.Ganesh Babu	Packet Mark Methodology for Reduce the Congestion	June201 3	International Journal of Scientific Research in Computer Science and Engineering,	<a href="https://www.isroset.org/paper/IJSRCSE/ISRSOET-IJSRCSE-00073.pdf">https://www.isroset.org/paper/IJSRCSE/ISRSOET-IJSRCSE-00073.pdf</a>
2.	K.Saraswathi and Dr.V.Ganesh Babu	A Survey on Data Mining Trends, Applications And Techniques	April 2015	International Daily Discovery	<a href="http://www.discoveryjournals.org/discovery/current_issue/v30/n116-135/A58.pdf?">http://www.discoveryjournals.org/discovery/current_issue/v30/n116-135/A58.pdf?</a>
3.	K.Saraswathi and Dr.V.Ganesh Babu	Diagnosis of different stages of non-Proliferative Diabetic Retinopathy	Novemb er 2015	Journal of Diabetes and Metabolism	<a href="https://www.omicsonline.org/2155-6156/2155-6156.C1.039-">https://www.omicsonline.org/2155-6156/2155-6156.C1.039-</a>

					<a href="#">018.pdf</a>
4.	K.Saraswathi and Dr.V.Ganesh Babu	Entropy Based Image Retrieval Method for Retrieving the images and Feature Based Image Recovery Method for Extracting the Features via Image Gathering and Reclamation using Image Mining Procedures	Decemb er 2015	International Journal of Applied Engineering Research	<a href="http://www.ripublication.com/Volume/ijaerv10n82spl.htm">http://ww w.ripublic ation.com /Volume/i jaerv10n8 2spl.htm</a>
5.	Dr.R.Reka and K.Saraswathi	An Enhanced Approach for Improve the Performance of Certificate Revocation Scheme for Creating Adversary Nodes in Mobile Ad Hoc Networks	Novemb er 2016	International Journal of Current Engineering and Scientific Research	<a href="http://troindia.in/journal/ijcsr/vol3iss11/101.pdf">http://troi ndia.in/jo urnal/ijce sr/vol3iss 11/101.pd f</a>
6.	K.Saraswathi and Dr.V.Ganesh Babu	A Literature Survey on Image Mining	Decemb er 2016	International Journal for Scientific Research & Development	<a href="http://ijsr.d.com/Article.php?manuscript=IJSRD">http://ijsr d.com/Art icle.php? manuscri pt=IJSRD</a>

					<a href="#">V4I100256</a>
7.	Dr.R.Reka and K.Saraswathi	A Review on Big data Analytics	Februar y 2017	Asian Journal of Applied Science and Technology	<a href="http://ajast.net/data/uploads/0101.pdf">http://ajast.net/data/uploads/0101.pdf</a>
8.	K.Saraswathi and Dr.V.Ganesh Babu	A Performance Analysis of Image Retrieval Methods	April 2017	International Journal of Current Engineering and Scientific Research	<a href="http://trojindia.in/journal/ijces/vol4issue/4/184.pdf">http://trojindia.in/journal/ijces/vol4issue/4/184.pdf</a>
9.	K.Saraswathi and Dr.V.Ganesh Babu	A Review on Image Mining Techniques	May 2017	International Journal of Scientific & Engineering Research	<a href="https://www.ijser.org/researchpaper/A-Review-on-Image-Mining-Techniques.pdf">https://www.ijser.org/researchpaper/A-Review-on-Image-Mining-Techniques.pdf</a>
10	K.Saraswathi and Dr.V.Ganesh Babu	A Review of Edge Detection Methods	June201 7	International Journal of Advances in Electrical Power System and Information Technology	<a href="http://trojindia.in/journal/ijae/psit/vol3issue3/5.pdf">http://trojindia.in/journal/ijae/psit/vol3issue3/5.pdf</a>
11	K.Saraswathi	Pixel Count	July	SciFed Journal	<a href="https://sci">https://sci</a>

.	and Dr.V.Ganesh Babu	Method to Pigeonhole the Placid and Brutal Juncture of Non proliferative Diabetic Retinopathy	2017	on Diabetes	<a href="http://fedpublis Hers.com/open-access/pixel-count-method-to-pigeonhole-the-placid-and-brutal-juncture-of-non-proliferative-diabetic-retinopathybr.pdf">fedpublis Hers.com/ open- access/pix el-count- method- to- pigeonhol e-the- placid- and- brutal- juncture- of-non- proliferati ve- diabetic- retinopath ybr.pdf</a>
12	Dr.R.Reka and K.Saraswathi	An Evaluation Study of on Internet of Things(IOT) Development and Features	July 2017	International Journal of Advances in Cloud Computing and Computer Science	<a href="http://trojndia.in/journal/IJA CCCS/vol3iss4/16.pdf">http://troj ndia.in/jo urnal/IJA CCCS/vol 3iss4/16.p df</a>
13	Dr.R.Reka and K.Saraswathi	Methods for Displaying Different Types of Images	August 2017	International Journal of Advanced Computing and Electronics	<a href="http://trojndia.in/journal/ijacet/vol4iss4/2.pdf">http://troj ndia.in/jo urnal/ijac et/vol4iss 4/2.pdf</a>



				Technology	
14	K.Saraswathi and Dr.V.Ganesh Babu	A Color Based Method to Identify Microaneurysms in Mild Stage of Non-Proliferative Diabetic Retinopathy	August 2017	World Wide Journal of Multidisciplinary Research and Development	<a href="http://www.mrd.com/archive/2017/8/348/a-color-based-method-to-identify-microaneurysms-in-mild-stage-of-non-proliferative-diabetic-retinopathy">http://www.mrd.com/archive/2017/8/348/a-color-based-method-to-identify-microaneurysms-in-mild-stage-of-non-proliferative-diabetic-retinopathy</a>
15	K.Saraswathi and Dr.V.Ganesh Babu	Cluster Based Method to Spot Hard Exudates in Moderate Stage of Non-Proliferative Diabetic Retinopathy	October 2017	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	<a href="http://ijsrcseit.com/PDF.php?pid=CSEIT1725120&amp;v=2&amp;i=5&amp;y=2017&amp;m=September-October">http://ijsrcseit.com/PDF.php?pid=CSEIT1725120&amp;v=2&amp;i=5&amp;y=2017&amp;m=September-October</a>
16	K.Saraswathi	RGB Method to	October	Journal of	<a href="http://ww">http://ww</a>

.	and Dr.V.Ganesh Babu	Spot Hemorrhages and Microaneurysms Using Colors in Severe Stage of Non-Proliferative Diabetic Retinopathy	2017	Environmental Science, Computer Science and Engineering & Technology	<a href="http://www.jecet.org/paper_description.php?category=Computer%20Science&amp;volume=6&amp;issue=4">www.jecet.org/paper_description.php?category=Computer%20Science&amp;volume=6&amp;issue=4</a>
17	K.Saraswathi and Dr.V.Ganesh Babu	RPC Approach to Know the Level of Microaneurysms in Mild Juncture of Non proliferative Diabetic Retinopathy	2017	International Journal of Pure and Applied Mathematics	<a href="https://academicjournals.org/journal/IJPM/article.php?id=117810&amp;date=9/22">https://academicjournals.org/journal/IJPM/article.php?id=117810&amp;date=9/22</a>

**BOOK CHAPTER PUBLICATION:**

**Book Name** :Advanced Research and Engineering  
Applications

**Chapter 18** :Entropy Based Image Retrieval Method

**ISBN Number:**978-93-86138-58-3

**Year** :April 2017

**Publications** :Research India Publications-New Delhi

**EVENTS ORGANIZED IN LEADING ROLES : (for past five years)**

1. Organizer for the Intercollegiate Competition-Think Quest 2016.
2. Organizer for the Seminar-Creation of Dynamic Website Using PHP on 11/02/2017.

## MEMBERSHIP IN

### ACADEMIC BODIES

1. Member in M.C.A-Board of Studies

### RESOURCE PERSONS IN VARIOUS CAPACITIES :

Sno	Name of the institution	Seminar/ Guest Lecture	Topic	Date
1.	Nehru Memorial College	Guest Lecture	Virus In Computers	04/12/2015
2.	Imayam Arts And Science College	Seminar	PHP And MySQL	10/08/2017
3.	Annai Mathammal Sheela Engineering College	Seminar	PHP And Python Programmin g	13/09/2017