

## Dr.THAMILSELVAN P

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### Qualification

Degree	Branch	Institution / University	Year of Passing
Ph.D.	Computer Science	Bishop Heber College	2018
M.Phil.	Computer Science	Bharathidasan University	2013
MCA	Computer Application	Srinivasan Engineering College	2012
B.Sc	Computer Science	Bharathidasan University College, Perambalur	2009

### Ph.D. Details

Title of Thesis	Area of Specialization	Year of Award
HYBRID APPROACH FOR IMPROVING THE CLASSIFICATION ACCURACY OF MEDICAL IMAGES COMBINING ENHANCED K NEAREST NEIGHBOR (KNN) AND ADVANCED CLASSIFICATION AND REGRESSION TREE (ACART)	Image mining	March 26 2019
Research Supervisor Dr. J. G. R. Samudran	Research Centre Bishop Heber College	

### Field Experience

Type	Name of the Sector	Designation	From	To
Industry	Access Health Care	Technical Assistant	1/16/2018	8/20/2018

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1.	<b>Conferences / workshops / Seminars Attended</b>	17
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3.	<b>Publication in Journals</b>	16
4.	<b>Publication in Books</b>	0
5.	<b>Books Published / Edited</b>	0
6.	<b>Conferences / Workshops / Seminars Organised</b>	1
7.	<b>Research Projects</b>	0
8.	<b>Resource Person</b>	1
9.	<b>Consultancy</b>	0
10.	<b>Awards Recieved</b>	2
11.	<b>Patent</b>	0
12.	<b>Extension Activities Undertaken</b>	0
13.	<b>Professional Membership</b>	0
14.	<b>M.Phil. / Ph.D. Produced</b>	0 / 0

1. -1 level Seminar on **"International Seminar on Cyber Security and Ethical Hacking"** sponsored by organized by at during 01/03/2018 to 01/01/1900.
2. National level Conference on **"National Conference on Computing Technologies"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 26/02/2018 to 01/01/1900.
3. National level Workshop on **"Bishop Heber College"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 24/02/2018 to 01/01/1900.
4. International level Conference on **"? International Conference on Smart Computing & Communications 2017"** sponsored by UGC organized by NIT Kurukshetra, Haryana. at Haryana. during 07/12/2017 to 08/12/2017.
5. International level Seminar on **"International Seminar on Data mining and machine learning algorithms"** sponsored by Bharathidasan University Constituent Arts & Science College organized by Bharathidasan University Constituent Arts & Science College at Tiruchirappalli during 18/02/2017 to 01/01/1900.
6. National level Workshop on **"Two days national level workshop on Python Programming"** sponsored by Acharya Institute of Technology organized by Acharya Institute of Technology at Bangalore, India during 24/01/2017 to 25/01/2017.
7. International level Conference on **"? International Conference on Computing Communication and Information Science (ICCCIS'16)"** sponsored by Bishop Heber College, Tiruchirappalli organized by Bishop Heber College, Tiruchirappalli at Tiruchirappalli during 28/07/2016 to 29/07/2016.
8. International level Seminar on **"International seminar on wearable devices and big data"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 06/04/2016 to 06/04/2016.
9. International level Conference on **"International Conference on Emerging Novelties and Vistas in Space Technologies & Applications"** sponsored by UGC organized by Sathyabama University at chennai during 03/12/2015 to 05/12/2015.
10. National level Workshop on **"5. Optimizing Research Tools and Techniques"** sponsored by Bishop Heber College organized by Bishop Heber College at Tiruchirappalli during 22/08/2015 to 01/01/1900.
11. International level Workshop on **"Image Processing Research with Matlab"** sponsored by CSI organized by Bharathidasan University, Organized by CSI Tiruchirappalli Chapter. at Tiruchirappalli during 31/07/2015 to 01/08/2015.
12. International level Workshop on **"3. Data Mining Techniques using MATLAB – A Research Perspective"** sponsored by UGC organized by Kongu Engineering College at Erode. during 16/07/2015 to 17/07/2015.
13. National level Workshop on **"2. Research Methodology and Project Formulation"** sponsored by SASTRA University organized by SASTRA University at Kumbakonam. during 22/06/2015 to 23/06/2015.
14. National level Conference on **"National Conference Recent Advancements in Software Development (NCRASD 2015)"** sponsored by Alagappa University, Karaikudi organized by Alagappa University, Karaikudi at Karaikudi – 630003. during 23/03/2015 to 01/01/1900.
15. International level Conference on **"Innovations in Information, Embedded and Communication Systems (ICIIECS '15)"** sponsored by DRDO organized by Karpagam College of Engineering at Coimbatore - 32. during 19/03/2015 to 20/03/2015.
16. National level Conference on **"? National Conference on Emerging Trends in Advanced Computing (ETAC)"** sponsored by Dhanalakshmi Srinivasan Arts & Science College for Women, Perambalur organized by Dhanalakshmi Srinivasan Arts & Science College for Women, Perambalur at during 27/02/2015 to 27/02/2015.

17. International level Workshop on **"Research Writing : Elements and Steps"** sponsored by UGC organized by Bharathidasan University. at Tiruchirappalli during 16/02/2015 to 20/02/2015.

## Research Papers Presented

- 8

1. **"A Novel Pre-Processing Profuse Clustering Algorithm for Image Denoising and Image Segmentation"** in the International conference on *International Conference on Smart Computing & Communications 2017* sponsored by UGC, organized by NIT Kurukshetra at Kurukshetra, Haryana. during 07/12/2017 to 08/12/2017.
2. **"Early detection of cancer in MRI lung images using classification and regression tree (CART) method"** in the International conference on *International Conference on Computing Communication and Information Science (ICCCIS'16)* sponsored by , organized by Bishop Heber College at Tiruchirappalli during 28/07/2016 to 29/07/2016.
3. **"Detection of Lung Cancer in MR Images by using Enhanced Decision Tree Algorithm"** in the International conference on *International Conference on Computing Communication and Information Science (ICCCIS'16)* sponsored by , organized by Bishop Heber College at Tiruchirappalli during 28/07/2016 to 29/07/2016.
4. **"Detection and classification of lung cancer MRI Images by using enhanced k nearest neighbor algorithm"** in the International conference on *International Conference on Emerging Novelties and Vistas in Space Technologies & Applications* sponsored by UGC, organized by Sathyabama University at chennai during 03/12/2015 to 05/12/2015.
5. **"A Technical Study on Biomedical image Classification using Mining Algorithms"** in the National conference on *National Conference Recent Advancements in Software Development (NCRASD 2015)* sponsored by , organized by Alagappa University at Karaikudi during 23/03/2015 to 01/01/1900.
6. **"Image Classification using Hybrid Data Mining Algorithms – A Review"** in the International conference on *Innovations in Information, Embedded and Communication Systems (ICIIECS '15)* sponsored by DRDO, organized by Karpagam College of Engineering at Coimbatore during 19/03/2015 to 20/03/2015.
7. **"A Comparative Study of ANN, K- Means and Adaboost Algorithms for image classification"** in the International conference on *Innovations in Information, Embedded and Communication Systems (ICIIECS '15)* sponsored by DRDO, organized by Karpagam College of Engineering at Coimbatore during 19/03/2015 to 20/03/2015.
8. **"A Comparative Study of SVM, RF and CART Algorithms for Image Classification"** in the National conference on *National Conference on Emerging Trends in Advanced Computing (ETAC)* sponsored by , organized by Dhanalakshmi Srinivasan Arts & Science College for Women at Perambalur during 27/02/2015 to 01/01/1900.



1. **"A Novel Pre-Processing Profuse Clustering Algorithm for Image Denoising and Image Segmentation"** published in Procedia Computer Science (PEER REVIEW) Vol. 125, Issue No. , January 2018 ISSN : ---.  
Impact factor , Scopus Index Yes, h - index , Citation index
2. **"A Hybrid Approach for Improving the Classification Accuracy by using Proposed EKNN and ACART Algorithm"** published in International Journal of Pure and Applied Mathematics (PEER REVIEW) Vol. 118, Issue No. 7, January 2018 ISSN : ---.  
Impact factor , Scopus Index Yes, h - index , Citation index
3. **"A Study on Biomedical image Classification using Data Mining Methods"** published in International Journal of Latest Engineering and Management Research (IJLEMR) (PEER REVIEW) Vol. 3, Issue No. 3, January 2018 ISSN : ---.
4. **"A Hybrid Approach For Risk Severity Prediction of Lung Cancer By Combining EKNN And ACART"** published in Journal of Advanced Research in Dynamical and Control Systems (PEER REVIEW) Vol. 9, Issue No. , January 2017 ISSN : ---.
5. **"Performance Analysis of Data Mining Algorithms For Medical Image Classification"** published in International Journal of Computer Science and Mobile Computing (PEER REVIEW) Vol. 5, Issue No. 3, January 2016 ISSN : ISSN: 2320-088X.  
Impact factor , Scopus Index , h - index , Citation index 1
6. **"8. An enhanced k nearest neighbor method to detecting and classifying MRI lung cancer images for large amount data"** published in International Journal of Applied Engineering Research (PEER REVIEW) Vol. 11, Issue No. 6, January 2016 ISSN : ISSN 0973-4562.  
Impact factor , Scopus Index Yes, h - index , Citation index 3
7. **"Detection and Classification of Lung Cancer MRI Images by using Enhanced K Nearest Neighbor Algorithm"** published in Indian Journal of Science and Technology (PEER REVIEW) Vol. 6, Issue No. 43, January 2016 ISSN : ISSN: 0974-5645.  
Impact factor , Scopus Index Yes, h - index , Citation index 1
8. **"10. Early Detection of Cancer in MRI Lung Images using Classification and Regression Tree (CART) Method"** published in International Journal of Control Theory and Applications (PEER REVIEW) Vol. 9, Issue No. 26, January 2016 ISSN : ISSN: 0974-5572.  
Impact factor , Scopus Index Yes, h - index , Citation index
9. **"Detection of Lung Cancer in MR Images by using Enhanced Decision Tree Algorithm"** published in International Journal of Control Theory and Applications (PEER REVIEW) Vol. 9, Issue No. 27, January 2016 ISSN : ISSN: 0974-5572.  
Impact factor , Scopus Index Yes, h - index , Citation index 2
10. **"Segmentation of Lung Malignant Cancer Tissues Using PCA And ACART Method in MR Images for Huge Data Set"** published in Journal of Theoretical and Applied Information Technology (PEER REVIEW) Vol. 95, Issue No. 6, January 2016 ISSN : ISSN: 1817-3195.  
Impact factor , Scopus Index Yes, h - index , Citation index
11. **"A Comparative Study of Data Mining Algorithms for Image Classification"** published in International Journal of Education and Management Engineering (IJEME) (PEER REVIEW) Vol. 5, Issue No. 2, January 2015 ISSN : ISSN: 2305-8463.  
Impact factor , Scopus Index , h - index , Citation index 9

12. **"A Technical Study on Biomedical image Classification using Mining Algorithms"** published in National Conference On Recent Advancements In Software Development (NCRASD) (CONFERENCE PROCEEDING) Vol. , Issue No. , January 2015 ISSN : ---.
13. **"A Comparative Study of SVM, RF and CART Algorithms for Image Classification"** published in Proceedings of the National Conference on Emerging Trends in Advanced Computing (ETAC) (CONFERENCE PROCEEDING) Vol. , Issue No. , January 2015 ISSN : ---.
14. **"Image Classification using Hybrid Data Mining Algorithms – A Review"** published in IEEE (CONFERENCE PROCEEDING) Vol. 1, Issue No. , January 2015 ISSN : ---.
15. **"A Comparative Study of ANN, K- Means and Adaboost Algorithms for image classification"** published in IEEE (CONFERENCE PROCEEDING) Vol. 2, Issue No. , January 2015 ISSN : ---.
16. **"Applications of Artificial Neural Network for IVF Data Analysis and Prediction"** published in Journal of Engineering, Computers & Applied Sciences (PEER REVIEW) Vol. 2, Issue No. 9, January 2013 ISSN : ISSN: 2319-5606.  
Impact factor , Scopus Index , h - index 3, Citation index 17

#### Conferences / Workshops / Seminars Organised

- 1

1. International level Conference Entitled **"International Conference on Computing Communication and Information Science (ICCCIS'16)"** at Bishop Heber College, Tiruchirappalli, sponsored by , during 28/07/2016 to 29/07/2016.

#### Awards Recieved

- 2

Award Name	Presented by	Year	Level	Instituted by / Place	amount
Senior Research Fellow	UGC-RGNF	01/04/2018	NATIONAL	Bishop Heber College	32,000/pm
Junior Research Fellow	UGC-RGNF	01/04/2016	NATIONAL	Bishop Heber College	30,000/pm

#### RESOURCE PERSON

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1. College level Chair Person on **"Hacking"** at Sri Sai Bharath College of Arts & Science, Navamarathupatty, Dindigul, 11/09/2017.

## Additional Information

- @ ? Won the BEST research paper award in the National Conference on Emerging Trends in Advanced Computing (ETAC) held at Dhanalakshmi Srinivasan Arts & Science College for Women, Perambalur in the year of 2015.
- ? Visited various places around india for academic purpose such as Haryana , New Delhi, Uttar Pradesh and Maharashtra (Mumbai)



**Signature of Staff**  
**(THAMILSELVAN P)**