

Name: Dr. N. Ravia Shabnam Parveen

Designation: Assistant Professor

Department: M.Sc Data Science

Date of Joining: 29/6/2018

Phone with Extn. No:

Email: shabnam@americancollege.edu.in



Educational Qualification:

Degree	Subject	College / University & Place	Year Completed
BCA	Computer Applications	Lady Doak College, Madurai	2002
MCA	Computer Applications	Fatima College, Madurai	2007
M.Phil	Computer Science	Madurai Kamaraj University College	2008
M.E (CSE)	Computer Science	KLN College of Engineering	2015
Ph.D	Computer Science	Bharathiyar University, Coimbatore	2014

Specialisation in Teaching:

- Python Programming
- Big Data Analytics using R Programming
- Programming Languages

Specialisation in Research: Image Processing

Other Work Experience:

Designation	Institution / Company	Year - From (month/year) To (month/year)
Lecturer	Fatima College, Madurai	26/6/07 To 19/1/09
Assistant Professor	K.L.N College Of Engineering	20/1/09 To 28/6/18
Assistant Professor	The American College	29/6/18 To Till Date

Articles Published in International Journals:

1.Title : Graph Cut Optimization method for Detecting Pneumonia infection using Lung Segmentation.

Period : May 2015

Details: International Journal of Applied Engineering Research, RIP, Anna University Chennai Annexure II Journal.

2.Title : Lung Segmentation in digital chest X-Ray images using Graph cut Optimization Method

Period : March 2015

Details: International Journal of Science, Technology & Management, Volume No. 04, Special Issue No. 01, March 2015. ISSN:2394-1537.

3.Title : SEVERITY OF PNEUMONIA IN COLORED X-RAY IMAGES

Period : March 2014

Details: Pneumonia, Special Issue Journal, 9th International Symposium on Pneumococci and Pneumococcal Diseases, Hyderabad.

4. Title : A Method to Mine the Feelings and Gestures of the Object from the Video

Period : August, 2013

Details: European Journal of Scientific Research ISSN 1450-216X / 1450-202X Vol. 110, No 4, August, 2013, pp.579 – 585.

5. Title : Detection of Pneumonia in Chest X-Ray Images

Period : July 2011

Details: International Journal of X-Ray Science and Technology with ISSN : 0895-3996, Volume 19, Number 4, 2011. Impact Factor: 1.57 in year 2010. This Journal is indexed in **Scopus Index**.

[Anna University Annexure I Type]

6. Title : Fracture detection in Colored Images

Period : July 2010 Issue

Details: Paper Published in International Journal of Engineering Science and Technology (IJEST) with ISSN: 0975-5462.

7. Title : Performance analysis of Fracture Extraction Methods

Period : Volume 2, July 2010 Issue

Details: Paper Published in International Journal of Engineering Science and Technology (IJEST) with ISSN : 0975-5462.

8. Title : Fracture Diagnosis in X-Ray images

Period : April 2010 Issue

Details: Paper Published in International Journal of Computing, Communication and Information System (IJCCIS) with ISSN: 0976-1349.

Conference / Seminar Presentations:

1. Title : Severity Of Pneumonia In Colored X-Ray Images

Period : 9-3-14 To 13-3-14

Details: Paper presented in the 9th International Symposium on Pneumococci and Pneumococcal Diseases at Hyderabad. Received Travel, Accommodation and Registration Grant of Rs. 85,000 to present this paper from KENES Organisation.

2. Title : Extraction of Features from Colored X-Ray images to Identify Patterns

Period : 27-6-12 To 29-6-12

Details: International Conference of Computing, Communication and Information Technology (ICCCIC) , Jeya College of Engineering, Chennai, with ISBN:978-93-82338-02-4.

3. Title : Feature Extraction using Unsupervised Classification Algorithm

Period : 15-12-11 To 18-12-11

Details: Presented this paper in IEEE International Conference on Computer Application, Cape Institute of Technology, Kanyakumari.

4. Title : Segmenting the Colored X-Ray Images

Period : 24-12-10 To 27-12-10

Details: Presented this Paper in an International Conference on Computer Applications and published in their proceedings with ISBN: 978-981-08-7618-0, at Pondicherry.

5. Title : Color Transfer of Gray scale image using chrominance checking

Period : 16-12-10 To 18-12-10

Details: Presented this Paper in an International Conference on Emerging Trends in Mathematics and Computer Applications and published in their proceedings with ISBN:978-81-8424-649-0, at Mepco Schlenk Engineering College, Sivakasi

6. Title : Feature Extraction in X-Ray images

Period : 27-2-10

Details: Paper presented in National conference and published in the proceedings of Recent Trends in Soft Computing in TSM, Madurai

7. Title : Gray Scale Conversion of X-Ray Images

Period : 6-2-10

Details: Presented this Paper in an International Conference on Information Science and Applications and published in their proceedings with ISBN 978-81-907677-9-8, at Panimalar Engineering College, Chennai.

8. Title : Enhancement of Bone Fracture Images by Equalization Methods

Period : 13-11-09 to 15-11-09

Details: Paper Presented in “International Conference on Graphics and Image Processing” and Published by IEEE Computer Society with ISBN 978-0-7695-3892-1, at Kota Kinabalu, MALAYSIA.

9. Title : Preprocessing Bone Fracture Images using Contrast Enhancement Techniques.

Period : 7-8-09 To 8-8-09

Details: Paper Presented in International Conference and Published in Proceedings of International Conference on Advanced Computing at Cauvery College, Trichy.

10. Title : Analysis of Filters for Enhancing Bone Fracture X-Ray images.

Period : 19-3-09

Details: Paper presented in National conference and published in the proceedings of Emerging Trends in Computing and Network Technologies at KLN College of Information and Technology, Madurai.

11. Title : Comparison of Edges to detect Bone Fracture.

Period : 26-2-09

Details: Paper Presented in International Conference and Published in Proceedings of International Conference on Photonics, Nanotechnology and Computer Application at Prist University, Thanjavur.

12. Title : Detection of Microcalcification using SVM Classifier

Period : 21-02-09

Details: Presented paper in National Conference at Holly Cross College, Trichy.

13. Title : Performance analysis of Image Compression Techniques

Period : 8-1-09

Details: Paper Presented in International Conference and Published in Proceedings of International Conference on Emerging Trends in Computing at Kamaraj College of Engineering, Virudhunagar

14. Title : Segmenting Breast Tumors in Ultrasound Images

Period : 18-12-08 To 20-12-08

Details: Paper Presented in International Conference and Published in Proceedings of International Conference on Computing, Communication and Networking at Chettinad College of Technology, Karur.

15. Title : Detection of Lesions using Segmentation

Period : 12-12-08

Details: Paper Presented in International Conference and Published in Proceedings of National Conference on Innovations in Information and Communication Technology at PSG College of Technology, Coimbatore.

16. Title : Comparison of algorithms to detect Microcalcification

Period : 6-12-08

Details: Paper Presented in International Conference and Published in Proceedings of International Conference on Managing Next Generation Software Applications at Karunya University, Coimbatore.

17. Title : Detection of Breast Tumors in Ultrasound Images

Period : 19-9-08

Details: Paper presented in National Conference at Kodaikanal Christian College, Kodaikanal.

18. Title : Seminal the user-level communication delay in network of workstation

Period : 10-4-08

Details: Paper Presented in National Conference and Published in Proceedings of National Conference on Recent Trends in Advanced Computing at KLN College of Information and Technology, Madurai.

19. Title : Analysis of Resolution Enhancement Algorithms

Period : 10-4-08

Details: Presented the Paper and Published in Proceedings of National Conference on Recent Trends in Advanced Computing at KLN College of Information and Technology, Madurai.

20. Title : Denial of Service- Intrusion finding using time dependent Deterministic Finite Automata

Period : 4-4-08

Details: Paper Presented in National Conference and Published in Proceedings of National Conference on Recent Trends in Information Technology at Kamaraj College of Engineering, Viridhunagar.

21. Title : Role of Shape in the Identification of Breast Tumors in Ultrasound Images

Period : 4-4-08

Details: Paper Presented in National Conference and Published in Proceedings of National Conference on Recent Trends in Information Technology at Kamaraj College of Engineering, Viridhunagar.

22. Title : Network Based Intrusion Detection Method

Period : 14-3-08, 15-3-08

Details: Paper Presented in National Conference and Published in Proceedings of National Conference on Advances in Applied Technologies at Kalasallingam University, Virudhunagar.

23. Title : A Comparative study on Image Resolution Enhancement Alg.

Period : 14-3-08, 15-3-08

Details: Presented the Paper in National Conference and Published in Proceedings of National Conference on Advances in Applied Technologies at Kalasallingam University, Virudhunagar.

24. Title : Comparison of Sobel and Susan Edge detector in Mammogram Images

Period : 12-3-08

Details: Paper Presented in National Conference and Published in Proceedings of National Conference on Computer Science and Application at Mepco Shlenk Engineering College, Sivakasi.

25. Title : Buffer overflow attacks discarding methods through using filters

Period : 7-3-08

Details: Presented the Paper in National Conference and Published in Proceedings of National Conference on Computing Technologies at Mepco Shlenk Engineering College, Sivakasi

26. Title : Extraction of breast Cancer features from Mammogram

Period : 6-3-08, 7-3-08

Details: Paper Presented in National Conference and Published in Proceedings of National Conference on Advanced Image Processing and Networking at National College of Engineering, Kovilpatti.

27. Title : Shape analysis of breast tumor in ultrasound images

Period : 28-2-08

Details: Paper Presented in National Conference at Sourashtra College, Madurai.

28. Title : Distributed Storage cache for Data Intensive Environment in Network

Period : 9-2-08

Details: Paper Presented in International Conf and Published in Proceedings of International Conf on Data Engineering and Management at Bishop Heber College, Trichy.

29. Title : Performance evaluation of Filtering Techniques for Speckle Reduction in Ultrasound Images

Period : 9-2-08

Details: Paper Presented in International Conference and Published in Proceedings of International Conference on Data Engineering and Management at Bishop Heber College, Trichy.

30. Title : Performance Evaluation of filtering techniques for Speckle Reduction in Ultrasound Images

Period : 23-1-08 To 25-1-08

Details: Paper Presented in National Conference and Published in Proceedings of National Conference on Soft and Intelligent Computing at Tamilnadu College of Engineering, Coimbatore.

31. Title : Security Network-Based Client Computing: User and Machine Security

Period : 26-9-07

Details: Paper presented in National Conference at Kodaikanal Christian College, Kodaikanal.

32. Title : Colorizing X-Ray Images to Identify Pneumonia.

Period : 20-8-14 To 21-8-14

Details: Paper presented in International Conference at Fatima College, Madurai.

33. Title: Lung Segmentation in Digital Chest X-Ray Images using Graph Cut Optimization Method.

Period: 15-3-2015

Details: Paper presented in International Conference on Recent Trends in Engineering Science and management at Jawaharlal Nehru University, New Delhi.

34. Title: Graph Cut Optimization method in Digital Chest X-Ray Images for lung segmentation.

Period: 9-4-2015 & 10-4-2015

Details: Paper presented in the Second International Conference on Computing Intelligence at Sethu Institute of Technology, Madurai.

35. Title: Graph cut Optimization method for Detecting Pneumonia Infection using Lung Segmentation

Period: 29-5-2015 & 30-5-2015.

Details: Paper presented in the International conference on Adaptive technologies for Sustainable Growth at Paavai Engineering College, Namakkal.

36. Title: Color Transference Of Gray Scale Image Using Chrominance Checking

Period: 5/3/20 & 6/3/20

Details: Presented paper in the International conference of Digital Transformation at The American College, Madurai.

Resource Person and Guest Lectures:

1. Acted as a Resource person for Paper Presentation in **Lady Doak College** for their Inter College Meet on 6/10/2012
2. Delivered a talk on Effective Teaching Methodologies at **Kalasingam Institute of Technology**, Krishnankovil on 21/3/2013.
3. Acted as a Session judge in AICTE Sponsored Innovative Project Contest at Department of Information Technology, **KLN College of Engineering** on 7/3/2014.
4. Delivered a Guest Lecture in Nadar Mahajana S.Vellaichamy Nadar college, Madurai on 16/3/2016 in **Advanced Data Structures topic**.
5. Acted as a Judge for the Technical Event -TALENT HUNT-2015 in **Sethu Institute of Technology**, Kariapatti on 26/3/2015.
6. Acted as a Session judge in a National Conference on Innovative Technologies & Advanced Computing at **Fatima College**, Madurai on 11/09/2015.
7. Acted as a Chief Guest in a National Conference on Advanced Computing at **Sadakhullah Appa College**, Tirunelveli on 1/3/1016.
8. Acted as a Chief Guest in a Technical symposium at **Mangayarkarasi Arts and Science College**, Madurai on 18/09/2018.
9. Delivered a Guest Lecture in **Fatima College**, Madurai on 22/12/18 in the topic Software Engineering with Python Concepts.
10. Delivered a Guest Lecture in **Nadar Saraswathi college of Arts and Science, Theni** on 30/1/20 in the topic of Python Programming.
11. Delivered an Online Guest Lecture in **Ayya Nadar Janaki Ammal College, Sivakasi** on 08/6/20 in National Level Webinar on Big Data.

Certifications:

IBM:

1. Completed **IBM DB2 9 Fundamentals** on 24/02/2010.
2. Completed **IBM Lotus Notes and Domino 8** Certification on 15/09/2011.
3. Completed **IBM Tivoli Directory Server V6.1** on 23/11/2011.

NPTEL:

1. Completed **NPTEL Online Certification** in the course “Problem Solving through Programming in C” on April 2018.

Overseas Academic Visits:

Paper Presented in “**International Conference on Graphics and Image Processing**” and Published by IEEE Computer Society with ISBN 978-0-7695-3892-1, at **Kota Kinabalu, MALAYSIA** during 13-11-09 to 15-11-09.

Other Activities / Academic Credentials:

1. Acted as Technical Expert in **Board of Studies** held at Lady Doak college during the year 2012 - 2013.
2. Acted as a member of **Doctoral Committee** meeting held at Sadakathullah Appa College, Tirunelveli on 10/09/2018.
3. Acted as a member of **Doctoral Committee** meeting held at Sadakathullah Appa College, Tirunelveli on 9/10/2019.
4. Acted as Technical Expert in **Board of Studies** held at Madura College during 18/3/2020.