

CEENA MATHEWS

ASSOCIATE PROFESSOR

ceenamathews@prajyotiniketan.edu.in

Educational Qualification

M.Phil., Bharathiar University, Coimbatore.

M.Sc. (Computer Science), Avinashilingam University for Women, Coimbatore.

Minor Research Project (UGC)

Completed UGC Minor Research Project (F.No. 1672-MRP/14-15/ KLCA056/UGC-SWRO dated 04/02/2015) entitled **”Identification and Differentiation of Tumor Components, Edema and Healthy tissue in Brain Diffusion Tensor MR Images using Clustering”**.

Paper Publications

1. Published a paper entitled “Review of Automatic Segmentation of MRI Based Brain Tumour using U-Net Architecture” in the Proceedings of the Fourth International Conference on Inventive Systems and Control (ICISC 2020) (ISBN: 978-1-7281-2812-2) (pp.44-48)
2. “Published a paper entitled ”Segmentation of Diffusion Tensor Brain Tumor Images using Fuzzy C-Means Clustering” in the International Journal of Computer Science and Information Security (IJCSIS), Vol. 16, No. 4, April 2018 (pp. 269-272)
3. Published a paper in International Journal of Computer Science and Information Security(IJCSIS), 'Segmentation of Diffusion Tensor Brain Tumor Images using Fuzzy Clustering', ISSN 1947 5500, April 2018 Volume 16 No. 4.
4. Published a paper entitled “Cloud Data Integrity using Password Based Digital Signatures “, International Journal of Computer Science and Information Technologies (IJCSIT), ISSN: 0975-9546, /volume 7(1), 2016, pp101-103.
5. Published a paper entitled “Enhancing Data Security in Cloud using Digital Signatures with Password Based Key Derivation Function, RSA and SHA-256” in the Proceedings of the National Seminar on Cloud Computing and Cloud Security, July 2014, pp 94-104.

Paper Presentation

1. Presented a paper entitled ‘**Review of Automatic Segmentation of MRI Based Brain Tumour using U-Net Architecture**’ in the 4th International Conference on Inventive Systems and Control during 8-10 January, 2020.
2. Presented a paper entitled “**Enhancing Data Security in Cloud using Digital Signatures with Password**” in the National Seminar on Cloud Computing and Cloud Security, July 2014.

International Seminars/Workshops

1. International Workshop on ‘Machine Intelligence and Data Science’ conducted by Machine Intelligence Research (MIR) Labs, USA on May 31,2019 and June 1, 2019, at Kochi.

2. International seminar on Holistic Life and Total Healthcare as Global, Medical and Self-care, Prajyoti Niketan College, Pudukad; 5-12th October 1997.

National Seminars/Workshops attended

1. DST PURSE (Phase II) supported Three Day Capacity Building Workshop on Machine Learning Hands-On (Python) at School of Computer Sciences, Mahatma Gandhi University during Dec 5 to Dec 7, 2019.
2. One day Seminar on 'Evolving Developments in IOT' conducted by Department of Computer Science, Little Flower College, Guruvayur on 31st January, 2019.
3. National Workshop on Moodle organised by the IQAC in association with Department of Computer Science on 19th January 2019 at Prajyoti Niketan College, Pudukad.
4. Capacity Building Workshop Of Scholar Support Programme at Sacred Heart College, Chalakudy, 28th January, 2017.
5. UGC Sponsored National Seminar on "Emerging Research Trends in Computer Science" on 12th August, 2015 conducted by the Department of Computer Science, Little Flower College, Guruvayur.
6. UGC Sponsored National Seminar on 'Statistical Pattern Recognition' organized by Department of Computer Science, Prajyoti Niketan College, Pudukad on 27th and 28th January, 2014.
7. UGC sponsored National Conference on "Soft Computing Techniques for Data Mining" organized by Dept. Computer Applications, MES College, Marampally on 6th & 7th January 2014.
8. UGC sponsored Training Workshop on SPSS organized by Department of Psychology, Prajyoti Niketan College, Pudukad on 2nd and 3rd November, 2012.
9. Two Day Regional Workshop on Matlab for Image Processing on 20nd and 21st January, 2012, organized by Dept. of Computer Science, Prajyoti Niketan College, Pudukad.
10. One day workshop on LaTeX organized by Department of Computer Applications, Federal Institute of Science and Technology(FISAT) on 22nd July, 2011.
11. UGC Sponsored National Seminar on "Classical Mathematics with Applications to Computer Science and Related areas" organized by the Dept. of Mathematics and Computer Science, St.Mary's College, Thrissur from 10 - 12 March, 2011.
12. National seminar on Ethical Hacking, Regional Theatre, Thrissur; 3 February, 2010.
13. National workshop on On location Sync sounding, Asoka Inn organized by JMC, Thrissur, 18 January 2010.

14. One-Day National Seminar on Computer Animation, “IT VISTA 09”, Prajyoti Niketan College, Pudukad; 23 January, 2009.
15. One-Day National Seminar on Computer Graphics & Animation, “IT Samhitha-2005”, Prajyoti Niketan College, Pudukad, 14 January, 2005.
16. National Seminar on Information Technology, “Login IT-2000”, Prajyoti Niketan College, Pudukad; 1 & 2 December, 2000.

Achievements

Completed a NPTEL Online Certification Course on **Machine Learning for Engineering and Science Applications by IIT, Madras.**

Membership In Various Professional Bodies

1. Member of Board of Examiners(B.Sc/BCA) in Calicut University.
2. Question paper setter for B.Sc Computer Science (core & complementary), BCA, B.Sc IT of various universities/Autonomous Colleges across Kerala.

Positions Held

1. Chairman, Board of Examiners (B.Sc Computer Science/BCA/ B.Sc IT)- Thrissur Region, University of Calicut
2. Member, Board of Studies in Computer Science, University of Calicut.
3. Subject expert, Inspection Commission for granting affiliation to various Computer Science Courses, Calicut University
4. Member of Board of Studies in Computer Science, St.Thomas Autonomous College, Thrissur.
5. Question paper setter of Kerala Public Service Commission, Trivandrum.
6. Member of Subject Expert panel in the Calicut University for faculty selection.

Short Term Courses

Attended a GIAN (Global Initiative of Academic Networks) course of MHRD (Ministry of Human Resource Department, Govt. of India) on “Data and Text Mining in Bioinformatics’ from 10th September to 14th September at National Institute of Technology, Calicut

Extension Lectures

Delivered a lecture on “Artificial Intelligence” on 3rd August 2010, at St.Mary’s College, Thrissur for B.Sc & M.Sc Computer Science and BCA students.

