Dr. G. JOHANNA JOHNSI RANI

Assistant Professor

Education

- UG – (B.Sc (Physics, Madurai Kamaraj University, 1983)
- PG – MCA, Bharathidasan University, 1987)
- M.Phil – Computer Science, Madurai Kamaraj University, 2008)
- Ph.D (Computer Science, Viva – October 5, 2021)

johanna.g@mcc.edu.in

Highlights

Featured Publication

1 Johanna Johnsi Rani G, Dennis Gladis, Joy Mammen, 'SNOMED CT annotation for Improved Pathological Decisions in Breast Cancer Domain', International Journal of Recent Technology and Engineering (IJRTE), Blue Eyes Intelligence Engineering & Sciences Publication, ISSN: 2277-3878, Volume-8, Issue-3, September 2019, Retrieval Number: C6519098319/2019©BEIESP DOI:10.35940/ijrte.C6519.098319.

2 Johanna Johnsi Rani G, Dennis Gladis, Joy Mammen, 'Regional Language Support for Patient-inclusive Decision Making in Breast Cancer Pathology Domain', International Journal of Recent Technology and Engineering (IJRTE), Blue Eyes Intelligence Engineering & Sciences Publication, ISSN: 2277-3878, Volume-8, Issue-3, September 2019, Retrieval Number: C6518098319/2019©BEIESP DOI:10.35940/ijrte.C6518.098319.

3 G. Johanna Johnsi Rani, Gladis D, Joy John Mammen, "Context-sensitive translation of Medical Reports from English to Tamil", International Journal of Pure and Applied Mathematics, Volume 119 No.16, 2018, pp. 297-304, ISSN: 1311-8080 (Print), ISSN: 1314-3395 (Online)

4. G. Johanna Johnsi Rani, Dennis Gladis, Joy John Mammen, Manikandan Kabali, "Phrase-based Machine Translation System for Medical Domain", International Journal of Pure and Applied Mathematics, Volume 119 No. 18 2018, pp. 2071-2082, Special Issue, ISSN: 1311-8080 (Print), ISSN: 1314-3395 (Online).

5. G. Johanna Johnsi Rani, Gladis D, Joy John Mammen, Manikandan Kabali, "Machine Translation Correction Using Synsets", Journal of Applied Science and Computations, Volume 5, Issue 6, June 2018, pp.15–21, ISSN NO: 0076-5131, DOI:16.10089.JASC.2018.V5I6.453459.14390.

6. G. Johanna Johnsi Rani, Dennis Gladis, Joy John Mammen, 'Comparison of Breast Cancer Staging in Natural Language text and SNOMED Annotated text', International Journal of Pure and Applied Mathematics, Volume 116, No. 21, 2017, pp. 243-249. ISSN (Print): 1311-8080, ISSN (Online) : 1314-3395.

7. G. Johanna Johnsi Rani, Dennis Gladis, Joy John Mammen, 'Summarization and Visualization of Textual Data in Breast Cancer Pathology', International Journal of Control Theory and Applications, IJCTA, Volume 9, Issue 10, 2016, pp. 4321-4330, ISSN: 0974-5572.

8. G. Johanna Johnsi Rani, Dennis Gladis, Joy John Mammen, 'Extraction of Malignancy Status and Validation of Pathological Classification of Breast Cancer Using Machine Learning Approach', International Journal on Advances in Natural and Applied Sciences (Annexure-II), Open Access Journal, American-Eurasian Network for Scientific Information (AENSI Publication), 2016, Special 10(10), pp.154-160, ISSN: 1995-0772, EISSN: 1998-1090, http://www.aensiweb.net/AENSIWEB/anas/2016/

9. G. Johanna Johnsi Rani, Gladis D, Joy John Mammen, Association Analysis of Breast Cancer Data in Pathology Reports', International Journal of Applied Engineering Research, Research India Publications, Vol. 10, Number 69, 2015, pp. 123 – 128, ISSN 0973-4562.

10. Johanna Johnsi Rani G, Dennis Gladis, Joy Mammen, 'Classification and Prediction of Breast Cancer data derived using Natural Language Processing', Publication of Third International Symposium on Women in Computing and Informatics, ACM. ISBN 978-1-4503-3361-0, pp. 250-255, 2015, DOI:10.1145/2791405.2791489.

11. Johanna Johnsi Rani G., Dennis Gladis, Marie Therese Manipadam, Gunadala Ishitha, 'Breast Cancer Staging using Natural Language Processing', © 2015, IEEE Conference publications, pp. 1552-1558, DOI: 10.1109/ICACCI.2015.7275834, ISBN: 978-1-4799-8792-4/15, 2015.

12. G. Johanna Johnsi Rani, D. Gladis, Joy Mammen, 'Tumour stage Detection from Natural language Pathology reports', Indian Journal of Science and Technology, Vol8 (29), DOI: 10.17485/ijst/2015/v8i29/86268, ISSN (Print):0974-6846, ISSN(Online):0974-5645, pp. 1-8.

Positions - College

- IQAC Coordinator, July 27, 2020 to till date

- Member, Sports Committee, 2017 – 2018.

- Dean of Women Students, Madras Christian College from June 2016 - 2018.

- Convener Non-Resident Women Students' Forum and Calendar Committee June 2016 – May 31, 2018.

- Convener, Committee on "Gender sensitization and Prevention of Sexual harassment of Women in Work place" from June 1, 2017 – May 2018.

- Underwent administrative and leadership training as UBCHEA Fellow at Ateneo De Manila University, Philippines from November 2009 to February, 2010.
  Submitted a proposal to the Principal, based on my experience in the USA as UBCHEA Fellow on July 01, 2009.

- Underwent administrative and leadership training as UBCHEA Fellow at Augustana College, Rock Island, IL, USA from Jan 26, 2009 to May 25, 2009.

- Member, Organizing Committee, Refresher Course for College Chaplains, jointly organized by Madras Christian College and UBCHEA from April 8 – 12, 2008.

- Staff Advisor, Student Christian Movement, 2007 – 2008.

- Member, Project Advisory Committee (PAC), MCC Integrated Child Development Center, 2007 – 2008.

- Handled Christian Studies classes in the year 2006 – 2007.

- Faculty In-charge, College Internet Centre at Library Building from October 2004 to April 2007.
  Prepared the site and set up the Internet Centre for the students, a project of the Student Union Council 2003 – 2004. The center was opened on October 15, 2004.

- Conducted a training program (Internet & Spreadsheet) for the faculty of Madras Christian College from April 3 – 7, 2006 at Kibble Computer centre.

- Conducted a Training program on Internet & Spreadsheet, for the Faculty and students of M. Sc of the Department of Chemistry.
  Submitted a Proposal to the College for moving towards E-Governance in September 2006

- Member, Library Committee, 2003 – 2004, 2005 – 2006 and 2006 – 2007.

- Member, Academic Council 2003 – 2004, 2010 - 2011

- Chairperson, Board of Examiners (Computer Science), 2003 – 2004, 2010 – 2015

- Member, Anti Ragging Committee, 1999-2000 and 2000-2001.

- Member, School of Continuing Education Committee, 1997 – 1998.

  Framed the Syllabus for the theory paper – Database Management Systems, Data Structures) and Laboratory work for BCA course in SFS (Evening College)

Positions – Department

- IQAC Nodal Officer, Dept. of Computer Science, Madras Christian College, 2010 – 2020.

- Chairman, Board of Examinations: From 2010-2011 to 2014-2015.

- Faculty In-Charge, Department Library. 2006-2008. Classified, coded and automated the library access process in 2008.

- Coordinator of Techwoods, a National Level Symposium conducted by the Department of Computer Science in 2003 – 2004, 2004 – 2005 and 2007- 2008.

- Faculty In-Charge, Association of the Computer Science Department (COSMIC). Organized several technical talks by subject experts and professionals from the IT industry.

- Coordinated the Microsoft sponsored Short-term training program in .NET and C# for the Faculty of various Colleges in Chennai, conducted by Indicom Software and Services in July 2005.

- Faculty In-charge, Department prayers. Contributed to the monthly Newsletter 'Signpost' published by the prayer cell of the Department of Computer Science.

International Visits

- Attended the United Board Fellows Program Leadership Seminar from July 26 – August 1, 2010 at Universitas Kristen Duta Wacana (UKDW), Yogyakarta, Indonesia.

- Resident Fellow in Ateneo de Manila University, Loyola Heights, Quezon City, Manila, Philippines for four months from November 08, 2009 to February 28, 2010, as part of the Fellows program of UBCHEA. Visited the University of the Philippines, De La Salle University and University of Santo Tomas during the period.

- Resident Fellow, Augustana College, Rock Island, Illinois, USA, for four months from Jan 26, 2009 to May 25, 2009, as part of the Fellows program of UBCHEA. Also visited the University of Iowa during the period.

- Visited USA and Canada as member of Group Study Exchange Programme of Rotary International while working in Mepco Schlenk Engineering College, Sivakasi from April '91 to June '91.

Visiting Fellow -

Prominent Recognitions   -

Brief Bio of 200 words containing the following items

     a. **Courses being taught by the faculty**
       Natural Language Processing
       User Interface and User Experience Design
       Free and Open Source Software
       Advanced Software Engineering
       Data Structures and Programming Techniques
       Design and Analysis of Algorithms
       Principles of Database Management Systems
       Software Engineering
       Software Project Management
       System Analysis and Design
       Interactive Computer Graphics

b. Research Projects / Publication (Recent ones)

1 Johanna Johnsi Rani G, Dennis Gladis, Joy Mammen, 'SNOMED CT annotation for Improved Pathological Decisions in Breast Cancer Domain', International Journal of Recent Technology and Engineering (IJRTE), Blue Eyes Intelligence Engineering & Sciences Publication, ISSN: 2277-3878, Volume-8, Issue-3, September 2019, Retrieval Number: C6519098319/2019©BEIESP DOI:10.35940/ijrte.C6519.098319.

2 Johanna Johnsi Rani G, Dennis Gladis, Joy Mammen, 'Regional Language Support for Patient-inclusive Decision Making in Breast Cancer Pathology Domain', International Journal of Recent Technology and Engineering (IJRTE), Blue Eyes Intelligence Engineering & Sciences Publication, ISSN: 2277-3878, Volume-8, Issue-3, September 2019, Retrieval Number: C6518098319/2019©BEIESP DOI:10.35940/ijrte.C6518.098319.

3 G. Johanna Johnsi Rani, Gladis D, Joy John Mammen, "Context-sensitive translation of Medical Reports from English to Tamil", International Journal of Pure and Applied Mathematics, Volume 119 No.16, 2018, pp. 297-304, ISSN: 1311-8080 (Print), ISSN: 1314-3395 (Online)

4. G. Johanna Johnsi Rani, Dennis Gladis, Joy John Mammen, Manikandan Kabali, "Phrase-based Machine Translation System for Medical Domain", International Journal of Pure and Applied Mathematics, Volume 119 No. 18 2018, pp. 2071-2082, Special Issue, ISSN: 1311-8080 (Print), ISSN: 1314-3395 (Online).

5. G. Johanna Johnsi Rani, Gladis D, Joy John Mammen, Manikandan Kabali, "Machine Translation Correction Using Synsets", Journal of Applied Science and Computations, Volume 5, Issue 6, June 2018, pp.15–21, ISSN NO: 0076-5131, DOI:16.10089.JASC.2018.V5I6.453459.14390.

c. Ph.D / M.Phil Guideship –

C V Link – G. JOHANNA JOHNSI RANI

https://docs.google.com/document/d/1j2UY5tOBXVT1DZdTjbYwJVPzKhFa4gfc/edit?usp=sharing&ouid=114400624115053312795&rtpof=true&sd=true