



Polynia Varni Kharbuli

Assistant Professor

Department of Computer Science

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Academic Qualification:

NET with JRF: Awarded in the year 2014

Master of Computer Application (MCA)

St. Anthony's College, Shillong; affiliated to North Eastern Hills University (NEHU), 2011

BSc. Computer Science

St. Anthony's College, Shillong; affiliated to North Eastern Hills University (NEHU), 2014

Other Qualification:

Cisco Certified Network Associate, St. Anthony's College, Shillong in the year 2010.

Academic Activity as Resource Person:

- Delivered a session on the topic "Learning Management System (LMS)" at the Five-day Online Faculty Development Programme on the theme of Online Pedagogical Tools and Techniques and Blended learning organised by IQAC, St. Anthony's College, Shillong from the 8th-12th September 2020.
2021
- Delivered two sessions on the topic "Working with Assessment through Moodle" at the Workshop on "E-Content Development and Online Pedagogy", for College and University Teachers organised by UGC- Human Resource Development Centre, North Eastern Hill University, Shillong from the 15th – 21st January 2021.
2022
- Delivered a session on the topic "Moodle Environment - Quiz" at the Workshop on "E-Content Development and Online Pedagogy" for College and University Teachers organised by UGC- Human Resource Development Centre, North Eastern Hill University, Shillong from the 24th – 31st January 2022.

Research Related Activities:***Publication:***

Polynia V. Kharbuli, Amina Sultana, “A Comparative Study on the Generations of Mobile Wireless Telephony: 1G - 5G”, International Journal of Emerging Technologies and Innovative Research (www.jetir.org), ISSN: 2349-5162, Vol.5, Issue 9, page no.326-332, September-2018, Available: <http://www.jetir.org/papers/JETIR1809069.pdf>;
DOI: <http://doi.one/10.1729/Journal.18303>

UGC Sponsored Orientation/Refresher course attended

- Special Summer School on Basic Sciences and Technology (Equivalent to One Refresher Course) from 8th – 21st July 2019 organised by UGC-HRDC, North Eastern Hill University. Obtained Grade A+
- Two Weeks Online Refresher Course “Engineering, Physical Sciences and Management” from 22nd June - 3rd July 2020 organised by IEEE Delhi Section & AICTE’s Industry Institute Partnership Cell (IIPC) of Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi in collaboration with IEEE Computer Society (Delhi Section), CSI & ISTE, Delhi Section. Obtained Grade A+
- Online Two-Week Refresher Course in Computer Science on the theme “NEXT GENERATION TECHNOLOGIES” from 29 June -13 July, 2021 organised by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry Of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching in collaboration with Open Technology Forum (OTF) and Association For Promotion of Free and Open-Source Technologies (AFROST). Obtained Grade A+

Conferences:**2010**

- Attended the National Conference on Emerging Trends and Applications in Computer Science was held on 9th and 10th, April 2010 which was organized by the Department of Computer Science, St. Anthony’s College.

2011

- Participated in the 2nd National Conference on Emerging Trends and Applications in Computer Science was held on 4th – 5th March 2011, which was Technically Sponsored by IEEE.

2012

- Attended the 3rd National Conference on Emerging Trends and Applications in Computer Science, held on 30th - 31st March 2012, which was Technically Sponsored

by IEEE

2013

- Attended the First International Conference on Emerging Trends and Applications in Computer Science organized by the Department of Computer Science, Technical sponsored by IEEE Kolkata Section on 12 - 14 September 2013, organized by the Department of Computer Science, St. Anthony's College.

2018

- On 14th - 15th September 2018, attended the National Conference on Emerging Trends and Applications in Computer Science (NCETACS 2018) organised by Department of Computer Science

2019

- Participated in 39th Edition of BRIDGE 2019 – Guwahati (The Largest Industry-Institute Interaction Event of Asia) organised by ICT Academy on 21st June 2019

2020

- Online International Conference on Advances in Physical, Mathematical and Computational Sciences” organised by the Faculty of Physical Sciences, St. Aloysius' College (Autonomous), Jabalpur on 12th – 13th June 2020

Workshops:**2009**

- Participated in a Workshop on FOSS (Free and Open Source Software), organized by the Department of Computer Science, St. Anthony's College, which was held on 13th - 14th November 2009, in partnership with Meghalaya Information Technology

2010

- Participated in a two days National Workshop on Embedded Systems that was held on 12th - 13th November 2010. This was organized by the Department of Computer Science, St. Anthony's College, in collaboration with IIT, Guwahati

2015

- Attended a Two day National Workshop titled “National Workshop on Security Issues in Cloud and Machine to Machine Communications” (NWSICM) on 27th - 28th August 2015 organised by Department of Computer Science, St. Anthony's College, Shillong in collaboration with Department of Computer Science and Engineering, National Institute of Technology Meghalaya
- Participated in a two day National Workshop on “National Mission on Education through Information and Communication Technology (NMEICT) Awareness” on

25th – 26th September 2015 by NIT Meghalaya

2017

- Participated in Workshop on Creation and Promotion of Online Teaching Resources: A National Initiative organised by National Institute of Technology, Meghalaya on 5th June 2017

2018

- Participated in a Workshop on Case Study Writing held on 15th December 2018 organised by Department of BBA, St. Anthony's College as part of their National Conference on Entrepreneurship, Innovation and Society (NCEIS 2018) from 13th – 15th December 2018

2019

- Participated and completed successfully AICTE – Training and Learning (ATAL) Academy Workshop on “Artificial Intelligence, Robotics & Machine Learning” from 22nd - 26th February 2019 at Indian Institute of Technology (IIT), Guwahati

2020

- Hands-on Workshop on Data Analytics organized by IPSR Solutions Ltd held on 5th September, 2020 (Certificate received after assessment on 13th September 2020)
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2021

- Participated in the Two Weeks National Workshop on “Emerging Trends on Smart Grid and Sustainable Energy Technology” held on 3rd – 12th Sept, 2021 organised by jointly organized by Department of CS, EC and EE of NIT Meghalaya

Symposium**2019**

- Attended the ‘Symposium on Artificial Intelligence in Bio-Medical Research’ organized by the Department of ENT, NEIGRIHMS, on 26th July, 2019

2020

- National Symposium on the theme “Emerging Technologies for Effective Management of the Pandemic” for the 67th IETE (Institution of Electronics and Telecommunication Engineers (India)) Foundation Day – 2020 held on 2nd November 2020 organised by Institution of Electronics and Telecommunication Engineers (IETE), New Delhi, India

Tutorials:**2011**

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- Participated in the Tutorial Lecture on Natural Language Processing, Challenges and Opportunities, held on the 3rd of March 2011, which was given by Dr. Pushpak Bhattacharyya, Professor, Dept. of Computer Science, IIT, Mumbai, organized by Department of Computer Science, St. Anthony's College

2012

- Participated in the Tutorial Lecture on Bio-inspired Artificial Intelligence, held on the 29th March, 2012 which was given by Dr. Shivashankar B. Nair, Dept. of Computer Science, IIT, Guwahati, organized by Department of Computer Science, St. Anthony's College

2013

- Participated in the Tutorial on Sentiment Analysis, held on 12th September 2013, which was given by Dr. Pushpak Bhattacharyya, Professor, Department of Computer Science and Engineering Indian Institute of Technology, Mumbai, organized by Department of Computer Science, St. Anthony's College

2017

- Participated in Tutorial on Cyber Security and Ethical Hacking by Arjun Chetry, NEPA organised by Department of Computer Science, St. Anthony's College on 17th June 2017

Seminar:**2014**

- Attended National Seminar on "Towards Standardising Khasi for Computational Purposes" which was organised by the Department of Computer Science and Department of Khasi, St. Anthony's College, Shillong held in the College on 28th – 29th October, 2014.
- Participated in a Two-Day National Seminar on "Emerging Trends in Advanced Networking and Cloud Computing" organised by Department of Computer Science and Applications and IQAC, Shillong College from 31st Oct – 1st Nov 2014.

2015

- Participated in a National Seminar on "E-Governance, Cyber Crimes, Cyber Security and Cyber Laws: Contemporary Issues and Challenges" on 29th April 2016 organised jointly by Department of Law, NEHU and NEC, Ministry of Development of North-Eastern Region Government of Meghalaya

Training:

2019

- Participated in a Training Programme for JGate, an e-Journal gateway, organised by Central Library of St. Anthony's College on 22nd August 2019

2020

- Online Training Programme on "Use of Science and Technology in Early Warning Disasters" on 20th May 2021 organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with St. Anthony's College and North Eastern Space Applications Centre

Out-reach programmes:

- Participated in a one-day outreach programme on Public Key Infrastructure, organized by the department in-collaboration with C-DAC Mumbai

IT – Summit:**2011**

- Attended MEGHABYTES-2011, Meghalaya IT Summit on “Community Empowerment in North-East India through ICT” held from 8th - 10th September, 2011

Invited Talks:**2014**

- Participated at a Talk on “Towards Empowering Women in Technology” organised by Department of Computer Science, Lady Keane College on 10th Dec 2014.

2015

- Attended an Invited talk on “Big Data – Data Science” ~ In Conversation with St. Anthony's College by Mr. Steven Suting on 24th April 2015 organised by Department of Computer Science, St. Anthony's College, Shillong

2016

- Participated in Invited Talk on “Business Intelligence” by Dr. Basav Roychoudhury, IIM Shillong, Meghalaya on 18th April 2016 organised by Department of Computer Science, St. Anthony's College
- Participated in an Invited Talk on “Emerging Trends in ICT” by Shri. Timothy Dkhar, SIO, NIC, Meghalaya on 11th June 2016 organised by Department of Computer Science, St. Anthony's College

2017

- Participated in the Invited Talk on “Information Security” by Dr. Frank B. Brokken, University of Groningen, Netherlands organised by Department of Computer Science,

St. Anthony's College, Shillong on 29th March 2017

2019

- Attended an Invited Talk on Machine Learning by Dr. Shyamanta Hazarika, IITG on 11th May 2019 organised by Department of Computer Science, St. Anthony's College

2020

- Participated in the Expert Talk on IT - Post Covid19, as a part of National Webinar Series organised by Department of Computer Science, Sree Sankara Vidyapeetom College, Valayanchirangara, Ernakulam, Kerala, India on 17th October, 2020
- Participated in the Keynote Session during ICAAAIML-2020: International Conference on Advances and Applications of Artificial Intelligence and Machine Learning held on 29th and 30th October, 2020 organized by Sharda University Uttar Pradesh, Greater Noida on 30th October, 2020
- Participated in the Panel Discussion on the Topic Role of AI in Education 4.0 during ICAAAIML-2020: International Conference on Advances and Applications of Artificial Intelligence and Machine Learning held on 29th and 30th October, 2020 organized by Sharda University Uttar Pradesh, Greater Noida on 30th October, 2020
- Participated in the 3rd University Distinguished Lecture titled "Atma Nirbhar Bharat: The Role of Collaborations" organized by SRM University-AP on 7th November, 2020
- Participated in the 4th University Distinguished Lecture titled "Saga of Science" organized by SRM University-AP on 21st November, 2020
- Participated in the 5th University Distinguished Lecture titled "Philosophy of Ultimate Success in Scientific Life" organized by SRM University-AP on 28th November, 2020
- Participated in the 6th University Distinguished Lecture titled "Art of Science in the Time of Virus and Beyond: The Brave New World" organized by SRM University-Andhra Pradesh on 5th December, 2020
- Participated in the University Distinguished Lecture titled "Higher Education in India in the Post COVID-19" delivered by Prof. Anil D. Sahasrabudhe, Chairman of AICTE and special address by Shri Satish Chandra, IAS, Special Chief Secretary, Higher Education, Government of Andhra Pradesh. It is organized by SRM University-Andhra Pradesh, in association with India's national newspaper, "The Hindu" held on 05th JUNE 2021.
- Participated in the Online Lecture Series on Data Mining for All by Dr. Anjan Das, Associate Professor, St. Anthony's College Shillong organized by the Department of Computer Science under the aegis of IQAC, St. Anthony's College, Shillong on 25 JUNE 2021.
- Participated in the Online Lecture Series on the topic Cyber Security Awareness By: Shri. Arjun Chetry Assistant Director (IT), North Eastern Police Academy organized by the Dept. of Computer Science, St. Anthony's College, Shillong on 26 November, 2021.

Webinars

2020

- Participated in the Webinar titled "The Flipped Classroom" organised by Learning

Links held on 5th June 2020

- Participated in the Webinar titled “Dealing with Emotions in Times of Crisis” organised by Learning Links held on 6th June 2020
- Participated in the Webinar titled “The Art of Execution” organised by Learning Links held on 6th June 2020
- Participated in the Live Webinar on Changing Roles of Teachers in a COVID-19 Afflicted World organised by St. Anthony’s College, Shillong, Meghalaya & Loyola College, Williamnagar, Meghalaya on 12th June 2020
- Participated in the International Webinar on Different Cloud Platforms jointly organized by Departments of Computer Science of St. Alphonsa College, Karinkal, Tamil Nadu, India & St. Anthony’s College, Shillong, Meghalaya, India on 4th July, 2020
- Participated in the Webinar on Internet of Things (IoT) – Industrial Perspective organised by IEEE Delhi Section & AICTE’s Industry Institute Partnership Cell (IIPC) of Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi in collaboration with IEEE Computer Society (Delhi Section), CSI & ISTE, Delhi Section on 11th July 2020
- Participated in the Webinar on BlockChain – Technological Perspective organised by IEEE Delhi Section & AICTE’s Industry Institute Partnership Cell (IIPC) of Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi in collaboration with IEEE Computer Society (Delhi Section), CSI & ISTE, Delhi Section on 18th July 2020
- Participated in the Webinar on The Art of Writing Research Papers organized by IEEE Delhi Section & AICTE’s Industry Institute Partnership Cell (IIPC) of Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi in collaboration with IEEE Computer Society (Delhi Section), CSI & ISTE, Delhi Section on 25th September, 2020
- Participated in the Webinar on National Education Policy (NEP)-2020 organized by IEEE Delhi Section & AICTE’s Industry Institute Partnership Cell (IIPC) of Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi in collaboration with IEEE Computer Society (Delhi Section), CSI & ISTE, Delhi Section on 9th October, 2020
- Participated in the Webinar on Publication Ethics and Plagiarism organized by IEEE Delhi Section & AICTE’s Industry Institute Partnership Cell (IIPC) of Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi in collaboration with IEEE Computer Society (Delhi Section), CSI & ISTE, Delhi Section on 16th October, 2020
- Participated in the Webinar on Robotics in Everyday Life – Threat or Opportunity organized by IEEE Delhi Section & AICTE’s Industry Institute Partnership Cell (IIPC) of Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi in collaboration with IEEE Computer Society (Delhi Section), CSI & ISTE, Delhi Section on 23rd October, 2020
- Participated in the Webinar on Introduction to R, as a part of National Webinar Series organized by Department of Computer Science, Sree Sankara Vidyapeetom College,

Valayanchirangara, Ernakulam, Kerala, India on 28th October, 2020

- Participated in the Webinar on Software Defined Networking (SDN) organized by IEEE Delhi Section & AICTE's Industry Institute Partnership Cell (IIPC), Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi in collaboration with IEEE Computer Society (Delhi Section), CSI & ISTE, Delhi Section on 31st October, 2020
- Participated in the Webinar on Optimization and AI Techniques organized by Bharati Vidyapeeth's Institute of Computers Applications and Management (BVICAM), New Delhi on 6th November, 2020
- Participated in the National Webinar on Intellectual Property Rights and its Applications organized by IQAC and the Department of Zoology St. Anthony's College, Shillong on 11th – 12th December, 2020
- Participated in the Webinar on The World Has Changed: India and the World: Embracing the GeoTech Decade Ahead with Dr. David A. Bray (Inaugural Director, Atlantic Council GeoTech Center) & Ralph Simon (Founder, Mobilium Global) on Friday, 11th of December from 5:00 PM to 6:00 PM IST.
- Participated in the Webinar On Digital Inclusion of Underserved Communities organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi in collaboration with IEEE Delhi Section & AICTE's Industry Institute Partnership Cell (IIPC), IEEE Computer Society (Delhi Section), CSI & ISTE, Delhi Section on 18th December, 2020

2021

- Participated in the Webinar on UPFRONT DURING COVID TIMES Reach Out and Responsibility by Smt. Isawanda Laloo IAS DC of East Khasi Hills Dist., Meghalaya, organized by the Department of Value Education with IQAC, St. Anthony's College, Shillong on 12 JUNE 2021
- Participated in the 90-minute Webinar on Cyber Security Technologies organized on 30-Jun-2021 by Career Nourishers, 3SR Consultancy
- Participated in the Webinar on Quantum threat to Classical Cryptography and Post Quantum Cryptography (PQC) on 24 July, 2021, organized by Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi in collaboration with IEEE Delhi Section & AICTE's Industry Institute Partnership Cell (IIPC), IEEE Computer Society (Delhi Section), CSI & ISTE, Delhi Section
- Participated in the Webinar on "Role of IEEE in Engineering Education" held on 29 July, 2021 organised by EBSCO Information Services, IEEE Authorised Dealer
- Participated in the Webinar titled The World Has Changed: Understanding Cyberweapons and the New Arms Race with Nicole Perloth (Author, Cybersecurity Reporter, The New York Times) in conversation with Govindraj Ethiraj (Journalist) on Friday, 24th September 2021 from 07:00 PM to 08:00 PM IST organised by TedxGateway (x=independently organised TED event)

Awareness Programmes:
2019

- Participate in Awareness Programme on Environmental Hazards of electronic Waste on 14th March, 2019 organised by Ministry of Electronics and Information Technology (MEITY), Govt. of India in partnership with MAIT, Rekart Innovations Pvt. Ltd Under the aegis of “Digital India Initiative” at St. Anthony’s College Shillong
- Awareness Programme on Mental Health by Dr. Allen Kharbteng for staff and students of MCA on 21st May 2019 organised by Department of Computer Science, St. Anthony’s College

Faculty Development Programmes:**2012**

- Participated in a one-day Workshop on Question Paper Setting organized by the MCTA Unit of the college on 19th November 2012.

2013

- Participated in a one day Orientation Programme on Team Building on 23rd March 2013 held in Siloam, Umiam, organized by the Department of Computer Science, St. Anthony’s College, Shillong
- Participated in a National Workshop on Learning to Teach for New College Teachers on 26th – 29th August 2013 held in Christ University, Bangalore.
- Attended a Workshop on Reconceptualization of Education and Reconstruction of Pedagogy for 21st Century conducted by the College on the 16th February 2013. Resource Person was Fr. Paul Pudussery, csc., Ph. D, organized by Internal Quality Assurance Cell (IQAC) of St. Anthony’s College, Shillong.
- Participated in a one day Seminar on Youth Development 6th June 2013 held in St. Mary’s College, Shillong

2014

- Attended a Faculty Development Programme on “Research Capability Enhancement” organised by Research Cell under the aegis of IQAC, St. Anthony’s College, Shillong on 23rd August 2014

2015

- Participated in a Two day Workshop on Semester System on 21st and 22nd April 2015 organised under the aegis of the IQAC, St Anthony’s College, Shillong

2016

- Participated in a Faculty Development Workshop titled “Capability Building

Workshop” from 19th – 25th June 2016 in Christ University, Bangalore

2017

- Participated in Faculty Orientation Programme titled “Soaring like Eagles – Leadership Matters” organised by St. Anthony’s College on 5th May 2017

2018

- Participated in a Faculty Orientation Programme of the College on 20th April 2018 organised by IQAC Cell of St. Anthony’s College, Shillong. The resource persons were Prof. S. M. Sungoh, Dean of School of Education, NEHU and Dr. A. N. Rai, former Director of NAAC, as well as former VC of NEHU

2019

- Participated in an Orientation Programme for the Junior Faculty of the College on 23rd April 2019 organised by St. Anthony’s College, Shillong

2020

- Participated in the Faculty Development Program on Emotional Intelligence (Online Live FDP) organised by ICT Academy, an Initiative of Government of India, State Government and Industry held on 29th April – 4th May 2020
- Participated in the Three Days Online Faculty Development Programme on Learning Management System (Moodle) organised by Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, in association with AIACHE (All India Association for Christian Higher Education) and DBHEI (Don Bosco Higher Education India) held on 8th – 10th June 2020
- Participated in the International FDP on Linux Fundamentals with Cloud and Container Platform organized by Marian College Kuttikkanam (Autonomous) in association with Red Hat from 22nd July- 28th July, 2020
- Participated in the Online Capacity Building programme on NEP 2020 and Higher Educational Institutions organized by IQAC and the Department of Value Education, St. Anthony's College, Shillong IQAC on 7th April, 2021

2021

- Participated in the One week Faculty Development Programme on “Academic Writing from 17 - 23 August, 2021 organised by Teaching Learning Centre, Ramanujan College University of Delhi in collaboration with P.E.S. Modern Law College Pune, Maharashtra under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching

Women Cell of St. Anthony's College:**2014**

- Attended a Panel Discussion on “Partners in Women’s Empowerment, Issues and Challenges” held in the College on 31st March 2014

2015

- Attended a Workshop on “Sensitisation – Awareness – Motivation” for Empowering Female Domestic Workers held on 4th to 8th May 2015 organised by the Women’s Cell of St. Anthony’s College

2016

- Represented the College Women’s Cell by participating in a three-day Workshop on Protection of Women against Domestic Violence (PWDVA) organised by National Institute of Public and Child Protection (NIPCCD), an autonomous organisation, under the Ministry of Women and Child Development, Govt. of India), Regional Centre, Guwahati on 21st – 23rd September 2016

Responsibilities:

- Involved in delivering lectures to Post-graduate and Under-graduate students in the department from 2011 till date
- Taught CCNA to MCA students, 2011-2013
- Taught Programming in Java, Short-term Course conducted in the College from 2012 - 2017
- Involved in delivering lectures to PGDCA students of the department, 2012-2016
- Faculty Organiser, Spoken Tutorial, IIT Bombay, an initiative of National Mission on Education through ICT, MHRD, Govt. of India, to promote IT Literacy through Open Source Software, 2016 till date
- A Member of the MOSAIC, Editorial Team, 2012 till date
- A Member of St. Anthony’s College Unit of MCTA. An Executive Member from July 2018 - July 2019
- A Member of St. Anthony’s College Employees Mutual Benefit Cooperative Society Ltd.