

Name of Faculty P. VIMALA MANOHARA RUTH  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 02 – 09 – 2010  
 E-mail vimalamanohararuth\_cse@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Pursuing	
PG	M. Tech. (CSE)	First Division
UG	B. Tech. (CSE)	First Division

Work Experience

Teaching	12 Years
Research	--
Industry	--
Others	--

Area of Specialization Computer Networks, Network Security, Machine Learning

Professional Memberships Life Member, CSI Number: I1504167

Responsibilities held at Institution Level --

1. In-charge, VII Semester Internships, 2021-22.
2. Lab Incharge, CSE Lab-8 from 2019-20 till date.
3. Department Coordinator, AQAR from 2019-20 till date.
4. Coordinator, Result Analysis 2021-22, 2020-21
5. Member, NBA Criterion 4 – B.E. 2020-21.
6. In-charge, CSE-2 Internships 2020-21.
7. Faculty Member, Zoom Technologies 2020-21.
8. Time Table In-charge AY 2019-20.
9. Member, NBA Criterion 3 – M.Tech. 2019-20.
10. Class In-charge Even Semester AY 2018-19 and 2019-20.
11. M.Tech. Mini-Project Coordinator Even Semester AY 2018-19.
12. Member, Result Analysis 02-09-2009 to AY 2018-19.
13. Attendance In-charge Even Semester AY 2017-18.
14. PEGA Instructor for PEGA University Academic Program 2016-17.
15. Member, NBA Criterion 4 – B.E. 2016-17.

Research Guidance --

1. PEGA CSA (Certified System Architect) Certified.
2. Qualified APSET/TSSET.
3. Qualified FET.
4. Elite-Topper for the NPTEL Courses on Problem solving through Programming in C.
5. Certified as Microsoft Technology Associate: Networking Fundamentals.
6. Completed Coursera Courses on AI for Everyone, Python for Everybody.
7. PEGA Instructor for Pega University Academic Program.
8. EDGE (Essential Diploma for Graduate Engineer) Certified.

Awards Received

Courses Handled at Under Graduate / Post Graduate Level. **Post Graduate:** Advanced Network Technologies, Advanced Algorithms, Human Computer Interaction

**Under Graduate:**

Operating Systems (T+L), Basics of Data Structures (T+L), Basics of Cyber Security (T), Information and Network Security (T+L), Design and Analysis of Algorithms (T+L), Number Theory and Cryptography (T), Programming and Problem Solving (T+L), Computer Networks (T+L), Professional Ethics and Human Values (T), Human Values and Professional Ethics (T), Object Oriented Programming with C++ (T+L), Programming in C (T+L), Data Communications (T), Computer Organization and Architecture (T), Artificial Intelligence (T)

No. of Papers Published	National Journals – 00	International Journals – 10
	National Conference – 02	International Conference – 00
Projects Carried out		--
Patents		--
Technology Transfer	<ol style="list-style-type: none"> <li>1. PEGA Instructor for PEGA University Academia Program.</li> <li>2. Instructor, Zoom Technologies.</li> </ol>	
Invited Speaker		--
No. of Books/Chapter Published with details		--
	<ol style="list-style-type: none"> <li>1. Organized and attended (Co-Coordinator) Five-Day International Short Term Training Program (STTP) on Blockchain for Digital Transformation 12th – 16th August, 2021, CSE, CBIT.</li> <li>2. Participated &amp; completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Digital Forensics in Cyber Security" from 02/08/2021 to 06/08/2021 at Centre for Development of Advanced Computing (C-DAC)</li> <li>3. Successfully attended Leadership Talk with Shri Dipendra Manocha, (Motivational Speaker) held on 27th Jun by MHRD's Innovation Cell.</li> <li>4. Successfully attended Leadership Talk with Mr. Shridhar Venkat, CEO (Akshay Patra Foundation) held on 20th Jun by MHRD's Innovation Cell.</li> <li>5. Attended 5-day National level online Faculty Development Program on "Cyber Forensics and Cyber Security" organized by Department of CSE, GNITS in collaboration with Indian Servers, from 15-06-2020 to 19-06-2020.</li> <li>6. Successfully attended Leadership Talk with Shri R Subrahmanyam, IAS (Secretary Ministry of Social Justice &amp; Empowerment) held on 13th Jun by MHRD's Innovation Cell.</li> <li>7. Successfully completed 2-week FDP on "Advanced Data Structures" organized by Department of CSE, VNRVJIET in collaboration with Computer Society of India (CSI VNRSC) from 1<sup>st</sup> June to 11<sup>th</sup> June, 2020.</li> <li>8. Participated in the "National Level Competition on C-Language" organized by Malla Reddy Engineering College for Women on 10<sup>th</sup> June, 2020.</li> <li>9. Successfully attended Leadership talk with Ms. Ashwini Deshpande (Co-Founder &amp; Director Elephant Design) held on 6th June by MHRD's Innovation Cell.</li> <li>10. Participated in online Technical quiz on "Programming in C" on 02-06-2020, organized by Department of CSE and VEC-CSI SB.</li> <li>11. Successfully Completed "Programming for Everybody (Getting Started with Python)" an online non-credit course authorized by University of Michigan and offered through Coursera on 01-06-2020.</li> <li>12. Successfully completed a 1-Week FDP on "Outcome Based Education and NBA Accreditation Process-(UG)", organized by CBIT during 28-05-2020 to 01-06-2020.</li> <li>13. Successfully attended Leadership Talk With Dr. Nilesh N Oak, Expert (Indian Civilization &amp; History) held on 30th May Dr. Abhay Jere (Chief Innovation Officer- MHRD</li> </ol>	
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (Attended and/or Organized).		

- Innovation Cell, Govt. of India) Hosting Live session of Leadership Talk With Dr. Nilesh N Oak, Expert (Indian Civilization & History) by MHRD's Innovation Cell.
14. Successfully completed online webinar titled "Cyber Security" on 26<sup>th</sup> May, 2020 hosted by CSE, Sri Indu Institute of Engineering and Technology.
  15. Participated and passed Online Quiz with a score of 80.00% in Five Day National level Faculty Development Programme on "Artificial Intelligence" held from 22.05.2020 to 26.05.2020 organized by the Department of Information Technology, CMR Engineering College, Hyderabad, in collaboration with NYCI & Brainovision Solutions India Pvt. Ltd.
  16. Successfully attended Leadership talk With Mr Mahesh Babu CEO Mahindra Electric Mobility Ltd. India's First Leadership Talk Series Session on 23<sup>rd</sup> May, 2020 by MHRD's Innovation Cell.
  17. Participated in 5 IIC online sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship and Start-ups among HEIs from 28<sup>th</sup> April to 22<sup>nd</sup> May, 2020 during COVID-19 nationwide lockdown.
  18. Successfully Completed "AI for Everyone" an online non-credit course authorized by deeplearning.ai and offered through Coursera on 18-05-2020.
  19. Successfully attended Leadership Talk With Dr. Pramod Chaudhari, Founder, Chairman, Praj Industries Limited and Dr. Abhay Jere, Chief Innovation Officer MHRD Innovation Cell, Saturday, 16th May 2020 at 01.00 PM. by MHRD's Innovation Cell.
  20. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence" from 11-05-2020 to 15-05-2020 at Maulana Azad National Institute of Technology Bhopal MP.
  21. Successfully attended the India First Leadership Talk webinar with Prof D. P. Singh, Chairman UGC Broadcasted on 9th May, 2020 by MHRD's Innovation Cell.
  22. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Data Science" from 04-05-2020 to 08-05-2020 at Punjab Engineering College (Deemed to be University).
  23. Attended a 2-day Workshop "Tech-Tara", an event on women's day organized by CBIT on 6th and 7th March, 2019.
  24. Attended a 2-day National level workshop on "Interface of Statistical Analysis using R" organized by CSE, CBIT on 9th and 10th February, 2018.
  25. Successfully completed a 4-week Orientation Program at Maulana Azad National Urdu University, Hyderabad from 18th July, 2017 to 14th August, 2017.
  26. Attended 2-day International Workshop on "Big Data and Machine Learning" organized jointly by CSE and MCA, CBIT from 27th and 28th March, 2017.
  27. Attended 3-day National level workshop on "Machine Learning using Python" organized by IT, JNTUH, College of Engineering, Jagtial from 24th to 26th March 2017.
  28. Attended 1-week National level FDP on "Data Analytics using R" organized by IT, CBIT from 20th to 25th March, 2017.
  29. Attended 2-day National Workshop on "Privacy Preserving and ICT: Research Ideas" organized by CSE, CBIT from 2nd and 3rd March, 2017.
  30. Attended 1-week National Level FDP on "Emerging trends, Issues and Challenges in Big Data and Cloud Computing" organized by CSE, CBIT from 20th to 25th February, 2017.
  31. Attended 1-week FDP on "Machine Learning: Recent trends and Applications" organized jointly by Electronics

- and ICT Academy, NIT Warangal and GNITS at GNITS from 21st to 26th November, 2016.
32. Successfully completed a 3-week Refresher Course on “Data Mining Techniques” organized by JNTUH HRDC from 17th October, 2016 to 05th November, 2016.
  33. Volunteered in a 2-day workshop on “Cloud Computing” organized by Department of CSE, CBIT on 7th and 8th September, 2016.
  34. Attended 1-Day Workshop on “Applications of Vedic Mathematics for competitive examinations” at CBIT on 27th July, 2016.
  35. Attended 10-day FDP on “Data Warehousing and Business Intelligence” organized jointly by Electronics and ICT Academy, NIT Warangal and CSE/IT/MCA at CBIT from 25th April, 2016 to 5th May, 2016.
  36. Attended 1-week National Level FDP on “Machine Learning” organized by CSE at JNTUH College of Engineering, Hyderabad from 11th to 16th April, 2016.
  37. Attended 4-week program “Train The Trainer Program of Pega Academy Systems” at Pega Systems, Mindspace, Gachibowli from 23rd November, 2015 to 19th December, 2015.
  38. Attended 2-week hands-on “PEGA CSA of Pega Academy Systems” program at Pega Systems, Mindspace, Gachibowli from 5th to 17th October, 2015.
  39. Attended 2-day National Level workshop on “Matlab for Engineering Applications” at CBIT from 11th and 12th September, 2015.
  40. Attended 2-day National Conference on “Information Security” organized by CSE at CBIT from 26th and 27th August, 2015.
  41. Attended 2-week National level workshop on “Intelligence and Security Informatics” organized by CSE at CBIT from 24th and 25th July, 2015.
  42. Attended 2-day National level workshop on “Next generation Devices and Computing” organized by CSE at CBIT from 28th and 29th November, 2014.
  43. Attended 2-day Hands-on workshop on “Virtualization and cloud computing” organized by CSE at CBIT from 11th and 12th March, 2014.
  44. Attended 1-day Seminar on “Work-Life-Balance: Women in Engineering” organized by Women cell at CBIT on 8th March, 2014.
  45. Attended 2-day Workshop on “Wireless Networks and Applications” organized by Department of ECE on 14th and 15th February, 2014.
  46. Attended 2-day workshop on “Research Methodologies and Tools” organized by CSE, CBIT on 29th and 30th November, 2013.
  47. Attended 2-day National level Workshop on “Web Technologies and Scripting Languages” organized by Department of MCA, CBIT on 26th and 27th April, 2013.
  48. Attended 3-day Train the Trainer workshop on “Mobile Application Development using Android” conducted by Infosys Limited at CBIT from 19th to 21st March, 2013.
  49. Attended 2-day National level Workshop on “Women in Science and Technology – Societal Impact” organized by Women’s cell of CBIT on 8th and 9th March, 2013.
  50. Attended 5-day In-house “Faculty Development Programme” organized by CBIT In-house training centre from 24th to 29th December, 2012.
  51. Attended 1-day National Seminar on “Biodiversity and Conservation of Natural Resources” organized by Department of Botany, Osmania University College for Women, Koti, Hyderabad on 22nd September, 2012.
  52. Attended 5-day In-house “Faculty Development Programme” organized by CBIT In-house training centre from 9th to 13th July, 2012.
  53. Attended 2-day workshop on “Jeevan Vidhya” organized

- by CBIT In-house training centre on 11th and 12th June, 2012.
54. Attended 2-day workshop on “Microprocessors and Microcontrollers” organized by Department of CSE and ECE, CBIT on 4th and 5th January, 2012.
  55. Attended 5-day TEQIP sponsored In-house “Faculty Development Program” organized by CBIT on 2nd to 6th January, 2012.
  56. Attended 1-day National Seminar on “Intelligent Systems” organized by Department of CSE, CBIT on 10th November 2011.
  57. Attended 2-day workshop on "Ethical Hacking" by Sunny Vaghela, Founder and CTO, TechDefence Pvt. Ltd. at Vignan Institute of Technology and Science on 14th and 15th of September, 2011.
  58. Attended 1-day Faculty Development program on "Embedded Systems Concepts and Emerging Technologies" at University College of Engineering O.U. Hyderabad, conducted by Tata Consultancy Services Limited on 26th May, 2011.
  59. Attended 1-day Faculty Development program on "A Practical and Industry Approach to Advanced Software Engineering" at University College of Engineering O.U. Hyderabad, conducted by Tata Consultancy Services Limited on 25th May, 2011.
  60. Attended 2-day National Workshop on “Research Trends in Computer Science” organized by Department of CSE, Muffakham Jah College of Engineering and Technology on 4th and 5th March, 2011.
  61. Successfully completed 2-week Refresher Course on “Recent Trends in Data Warehousing and Data Mining” organized by Department of CSE, NIT, Warangal from 8th to 20th June, 2009.
  62. Attended 1-week Training Programme on “Effective Teaching” organized by Sreenidhi Institute of Science and Technology from 20th to 24th April, 2009.
  63. Attended 2-day National Workshop on “Software Testing” organized by Department of CSE, Aurora’s Technological and Research Institute on 13th and 14th December, 2007.
  64. Successfully Completed “Software Requirements Prioritization: Risk Analysis” an online non-credit course authorized by University of Colorado System and offered through Coursera on 23-05-2020
  65. Successfully Completed “Requirements Specifications: Goals and Conflict Analysis” an online non-credit course authorized by University of Colorado System and offered through Coursera on 18-05-2020
  66. A One Week Faculty Development Program on “Management Capacity Enhancement Program for Administrators”, at IIM, Luknow during 24-08-2015 to 28-08-2015
  67. A Two Week AICTE-ISTE STTP on “Mobile Computing Issues & Practices” at SJCE, Mysore during 15-03-2004 to 27-03-2004.
  68. A Two Week AICTE-ISTE STTP on “Parallel & Distributed Computing” CBIT, Hyderabad, during 24-06-2002 to 05-07-2002.
  69. A One-Week Training program on “OOA, Rational Rose and Rational Unified Process”, Hyderabad during 26-08-2002 to 30-08-2002.
  70. A Three-Week Refresher course on “Advanced Unix & C”, at JNTU, Hyderabad, during 26-11-2001 to 15-12-2001
  71. Organized a One Week Online Faculty Development Program on “Role of Machine Learning & Data Sciences in AI”, during 28-06-20 to 02-07-2020

## **International Journal**

1. P. Vimala Manohar Ruth, Kavitha Agarwal, Dr.Y.Rama Devi, Sravya Gudipelly, Vaishnavi Kubeer, "Handwritten Telugu Vowel Character Prediction Using Convolution Neural Network", Journal of Huazhong University of Science and Technology, Volume:50, Issue:6, 2021.
2. Kavita Agarwal, Vimala Manohara Ruth, Kedarnath Chaturvedula, Vishal Chandra Jongoni, "Analysis of Human Traits Using Machine Learning", International Journal of Creative Research Thoughts (IJCRT), Volume 9, Issue 6, ISSN:2320-2882, 2021.
3. P. Vimala Manohar Ruth, Dr. Y.Rama Devi, E.Haritha, N.Shiva Kumar, "Prediction of Phishing Website For Data Security Using Various Machine Learning Algorithms", International Journal of Creative Research Thoughts(IJCRT), Volume:9, Issue:6, ISSN:2320-2882, June-2021.Soniya Vemula, Vimala Manohara Ruth P., "An Improved Hierarchical Access Control Method for Data Security of Mobile Cloud Users" in Alochana Chakra Journal June, 2020 Volume IX, Issue VI, pp. 7819-7826, ISSN No. 2231-3990.
4. Vimala Manohara Ruth P., Monika P., Nidhi Vraj S., Roshini Reddy M., "5G-Smart Diabetes Diagnosis using Machine Learning Algorithms" in Alochana Chakra Journal June, 2020 Volume IX, Issue VI, pp. 6815-6822, ISSN No. 2231-3990.
5. Padeti Olive Kezia Ruth, P. Vimala Manohara Ruth, Mary Esther Cynthia Johnson, "Ionic Content of Saroornagar Lake using Maucha Diagrams" in Journal of Emerging Technologies and Innovative Research June 2019 Volume 6, Issue 6, pp. 570-574, ISSN : 2349-5162.
6. Vimala Manohara Ruth P., Kavita Agrawal, Sumanth Paruchuri, Vamshi Krishna Gundu, "Performance Evaluation and Prevention of Blackhole attack in MANET" in International Journal of Scientific Research in Science and Technology (IJSRST) 2018 Volume 4 Issue 8, pp.494-499, ISSN No. 2395-602X, 2395-6011.
7. Kavita Agrawal, Vimala Manohara Ruth P., Nandini Y., Sravani K., "Analysis of Road Accident Locations Using DBSCAN Algorithm" in International Journal of Scientific Research in Science and Technology (IJSRST) 2018 Volume 4 Issue 8, pp. 462-467, ISSN No. 2395-602X, 2395-6011.
8. Kavita Agrawal, Arvind Kumar Chaubey, Vimala Manohara Ruth P., "Localization of SMS on Mobile Phones" in International Journal of Computer Science and Information Technologies, Vol. 6 (5), 2015, pp. 4705-4708, ISSN No. 0975-9646.
9. Miracle P., Vimala Manohara Ruth P., Glory Margaret A. and Mary Esther Cynthia Johnson, "Women in slums their health, economy and environmental aspects" in International Journal of Current Research, June 2015 Vol. 7, Issue, 06, pp. 17264-17268, ISSN No. 0975-833X.

## **National Conferences**

1. Satish Chintala, Vimala Manohara Ruth P., "E-Cultivation Framework for Requirement Capturing and Measurement" in National Conference on Information Security (NCIS)-2015, organized by Chaitanya Bharathi Institute of Technology, Hyderabad held during 26th and 27th August, 2015 pp. 98-102, ISBN No. 978-93-85100-48-2.
2. P. Vimala Manohara Ruth, "Knowledge Discovery for E-Commerce" in National Conference on Emerging Trends in Information Technology, organized by Sreenidhi Institute of Science and Technology, Yamnampet, Ghatkesar Mandal, R.R. District, Hyd-501301 held during July 3rd to 4th, 2009 pp. 160-164.