

Curriculum Vitae

Name : **Dr.G.NEELA KRISHNA BABU**
Designation : Assistant Professor
Qualification : M.C.A., M.Phil, D.S.T., Ph.D.
Date of Birth : 20.06.1979
Date of Joining : 02.07.2004
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Awards / Prestigious Positions

1. Senate Member, Manonmaniam Sundaranar University
2. Diravida Chudar Award, Thiruvalluvar Kazhagam, Tirunelveli
3. Best NSS Programme Officer Award, Manonmaniam Sundaranar University

Orientation / Refresher Courses attended

1. Attended an Orientation Programme organized by UGC-Academic Staff College, Bharathidasan University, Thiruchirapalli from 09.11 2010 to 06.12. 2010.
2. Attended an Orientation Programme for NSS Programme Officers organized by Empanel Training center, Avinashilingam University, Coimbatore from 22.02.2013 to 28.02. 2013.
3. Attended a Refresher Course in Computer Science organized by UGC Academic Staff College, University of Madras, Chennai from 21.11.2013 to 11.12.2013.
4. Attended a Refresher Programme in Computer Applications and Information Technology organized by UGC HRDC, University of Madras, Chennai from 09.11.2018 to 29.11.2018.
5. Attended a Refresher Programme in Computer Science on the theme “ Next generation Technologies” organized by TLC, Ramanujan College, University of Delhi from 29.06.2021 to 13.07.2021.

Papers Published in the Journals

1. Published a Paper entitled “An Analysis of Skin Cancer Detection Using Machine Learning” in Dogo Rangsang Research Journal, ISSN: 2347-7180 Vol-10 Issue-08 No.08 August 2020 Pages: 89 – 97, UGC Care List - Group I Journal.
2. Published a Paper entitled “ Skin Cancer Detection using Support Vector Machine with Histogram of Oriented Gradient Features” in ICTACT Journal on Soft Computing, ISSN: 2229-6956, January 2021, VOLUME: 11, ISSUE: 02 DOI: 10.21917/ijsc.2021.0329, Pages : 2301 – 2305, UGC Care List - Group I Journal.
3. Published a Paper entitled “A Novel Technique based on LBP and SVM to Detect Skin Cancer in Dermatoscopic Images” in Journal of the Maharaja Sayajirao University of Baroda, ISSN : 0025-0422 Volume-54, No.2 (V) 2020 Pages : 128 – 133, UGC Care List - Group I Journal.
4. Published a Paper entitled “Skin Cancer Detection using Improved Empirical Wavelet Transform Features with SVM Classification” in the Journal Design Engineering, ISSN: 0011-9342, Issue:7, 2021, Pages: 12267-12278, Scopus Indexed Journal List.
5. Published a Paper entitled “Classification of Skin Cancer Images using Discrete Wavelet Transform Features and Support Vector Machine” in the Journal IJFANS, ISSN: 2320-7876, Vol.11, S.Issue:3, 2022, Pages: 1350-1362, UGC Care List - Group I Journal.
6. Published a Paper titled “Mobile Computing – An Overview” in the Journal “Business Horizon” in Dec 2010 Edition.
7. Published a paper titled “A Study on Online Shopping at Tirunelveli City” in the Journal Impact of Information Communication technology on Consumerism. ISBN : 978-93-81723-19-7.
8. Published a paper entitled “Basic Sports Nutrition “ in the National seminar on “Practical Approaches and Applications in Sports Medicine 2010“ organized by Department of Physical Education, The MDT Hindu College Tirunelveli on 29th January 2010.
9. Published a paper entitled “ Software Tools for Documenting and Managing Bio-Resource Data” in the State Level seminar on “ Bio-Prospecting of Natural Resources” organized by Department of Advanced Zoology & Biotechnology, The M.D.T. Hindu College, Tirunelveli on 28th January 2011.
10. Published a paper entitled “Computer Simulations as a Training Tool for Sports” in the National seminar on “Prospective Approaches and Applications in Sports Science 2010“organized by Department of Physical Education, The MDT Hindu College Tirunelveli on 4th February 2011.
11. Published a paper entitled “A study on Consumer Rights in India” in the UGC Sponsored State Level seminar on “Human Rights” organized by Department of Economics, The M.D.T. Hindu College, Tirunelveli-10 on 18th & 19th February 2011.

12. Published a Paper entitled “Role of Nano Robotics in Biomedical Applications” in the International Seminar ICESFH 2012 organized by Department of Zoology, The MDT Hindu College on Feb 14-16 2012.

Papers Presented in International / National Conferences /Seminars

1. Presented a Research Paper entitled “An Automated Skin Cancer Classification Method using Deep Neural Network” in the International Conference on Human Machine Interaction in the Digital Era (ICHMIDE-2023), in association with AIMST University, Malaysia and Computer Society of India, Chennai Chapter, held on 24 February 2023 organized by Department of Computer Science and Applications, SRM Institute of Science and Technology, Ramapuram, Chennai 89, Tamil Nadu, India.
2. Presented a Research Paper entitled “Skin Cancer Detection using Support Vector Machine with Local Binary Pattern Features” in Two days International e-Conference on Recent Trends and Technologies in soft Computing (ICRTSC’2020) organized by Department of Computer science and Applications, St. Peter’s Institute of Higher Education and Research, Chennai on 28th & 29th September 2020.
3. Presented a Research Paper entitled “ DWT and SVM Based Skin Cancer Detection in Dermatoscopic Images” in the 6th International Conference on Signal Processing, Communications & System Design organized by Department of Electronics and Communication Engineering , Malla Reddy Engineering College for women, Telangana on 23rd & 24th January 2021.
4. Presented a Research Paper entitled “ Performance Comparison of Various Machine Learning Techniques Used in Skin Cancer Classification “ in the Two day International Conference on Emerging Trends in Intelligent Computing jointly organized by Department of Computer science, Computer Applications & Information Technology, JP College of Arts & Science, Tenkasi on 11th & 12th August 2021.
5. Presented a paper entitled “Privatization of Higher Education – Boon or Curse” in the IQAC Conference 2008 sponsored by NAAC and organized by IQAC, The MDT Hindu College Tirunelveli on 24th & 25th Jan 2008.

International / National Seminars/ Conferences attended

1. Participated in the International Tech Conclave organized by IEEE from 26th April to 30th April 2020.
2. Participated in the IQAC Conference on “Higher Education and Students Participation in Higher Education” sponsored by NAAC and organized by The MDT Hindu College, Tirunelveli on 24th & 25th Jan 2008.
3. Participated in the UGC sponsored National seminar on “Practical Approaches and Applications in Sports Medicine 2010” organized by Department of Physical Education, The MDT Hindu College, Tirunelveli on 29th January 2010.
4. Participated in the state Level seminar on “Research Perspectives of computer Science “Organized by Department of Computer Science, The MDT Hindu College, Tirunelveli on 8th October 2010.

5. Participated in the State Level seminar on “ Bio-Prospecting of Natural Resources” organized by Department of Advanced Zoology & Biotechnology, The M.D.T. Hindu College, Tirunelveli on 28th January 2011.
6. Participated in the National seminar on “Prospective Approaches and Applications in Sports Science 2010” organized by Department of Physical Education, The MDT Hindu College Tirunelveli on 4th February 2011.
7. Participated in the UGC Sponsored State Level seminar on “Human Rights” organized by Department of Economics, The M.D.T. Hindu College, Tirunelveli-10 on 18th & 19th February 2011.

FDPs attended:

1. FDP on R Programming organized by Hindustan College of Arts and Science and Spoken Tutorial, IIT, Bombay from 19th April to 24th April 2020.
2. FDP on R Programming organized by Indo Global Group of Colleges New Chandigarh and Spoken Tutorial, IIT, Bombay from 27th April to 1st May 2020.
3. FDP on Machine Learning Using Python hosted by Vels Institutes of Science, Technology and Advanced Studies on May 4th 2020.
4. FDP on PHP and MYSQL organized by Jawaharlal Nehru Technological University and Spoken Tutorial , IIT Bombay from 4th May 2020 to 8th May 2020.
5. FDP on E-content Development course organized by International Institute of Organized Research 6th May 2020 to 8th May 2020.
6. FDP on Research Challenges and opportunities organized by IIC, Srivasavi Engineering College from 4th May to 9th May 2020.
7. FDP on Digital Learning Series organized by Sri Ramakrishna College of Arts and Science from 15th may 2020 to 21st May 2020.
8. FDP on Enhancing Excellence in Higher Education through Assessment and Accreditation organized by IQAC, Sri Narayana Guru College from May 6th 2020 to May 8th 2020.
9. FDP on Dynamic Teaching and Learning Environment through Filp Class organized by Vels Institute of Science, Technology and Advanced Studies on 11th and 12th May 2020.
10. FDP on How to use Cloud Computing Effectively organized by Sathyabama Institute of Science and Technology from 11th to may 13th May 2020.
11. International FDP on Disruptive Technologies organized by AVIT from 10th to 15th May 2020.

12. International FDP on Impact of Covid19 on Higher Education Institution's challenges and Responses organized by Hindustan College of Arts and Science from 16th May to 22nd May 2020.
13. International FDP on Enhancing your IT skills during Quarantine from 18th May 2020 to 23rd May 2020.
14. FDP on AI based Proctoring in Next generation Education organized by IQAC, School of Computational Science on 23rd May 2020.
15. FDP on ICT based Teaching and Learning Tools organized by Hindusthan College of Arts and Science from 1st June to 5th June 2020.

Workshops attended

1. Attended a Workshop on Art of Effective Teaching in Online organized by SRM Institute of Science and Technology on 19th May 2020.
2. Attended a Workshop on Reference Management Tools and Online citation database organized by Indian Academic Researchers Association from 19th April 2020 to 21st April 2020.
3. Attended a Workshop on Java Basics organized by Aaron Technologies from 20th April to 27th April 2020.
4. Attended a two day Workshop on "Personality Development and effective Communication" at St. Xavier's College Palayamkottai organized by Manonmaniam Sundaranar University Tirunelveli on 14th & 15th Dec 2009.

Online Courses:

1. Organized Self Learning Course on "Internet of Things-An Emerging Technology"
2. Organized Self Learning Course on "Fundamentals of Android APP"

Extracurricular and Extension activities

1. Treasurer, The MDT Hindu College Alumni Association
2. Editorial Board Member, Hindco Journal
3. N.S.S. Programme Officer Unit No:36
4. Coordinator, Eye Donors Club
5. Director, Eco-Club
6. IQAC Sub Committee Member
7. Hostel Sub-Warden

Other Academic Activities

1. Unit Secretary, MUTA
2. Chief Examiner, UG Computer Science Allied Board of Manonmaniam Sundaranar University since 2012
3. Additional Examiner, UG Computer Science Allied/EDOC/Ancillary board of Manonmaniam Sundaranar University since Nov 2004.
4. External Examiner, UG Computer Science allied/EDOC/ancillary Practical Examinations of Manonmaniam Sundaranar University since April 2006.
5. Judge for the State Level Intercollegiate Competition ICAPO, Organized by Department of MCA, St. Xavier's College, Palayamkottai on 11th February 2011.
6. Programme Coordinator, Nellai Sangamam, Organized by Green Pages
7. Editorial Board Member, Green Pages "Environmental Souvenir"
8. Organizer, Karaikudi Rama.Subbiah – Vishalakshi Ammal Memorial Library.