

**Name** : Mrs. Bharathi Anbarasan  
**Designation** : Assistant Professor (SG)  
**Department** : Computer Science with Data Analytics  
**Qualification** : M.C.A., M. Phil., UGC CBSE-NET  
**Experience** : Teaching: 24 Years  
**Area of Specialization(s)** : Data Communication and Networking  
**Email (Official ID)** : bharathianbarasan@drngpasc.ac.in



#### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
M. Phil.	Computer Science	PSG College of Arts and Science, Coimbatore	2004
MCA	Computer Applications	Sri Saradha Niketan College for Women, Karur	1994
B. Sc.	Computer Science	Sri Saradha Niketan College for Women, Karur	1991

#### Additional Qualifications

Diploma/Vocational/ Certification	Area of Specialization	Institution / University/Agency Name	Year
NET	Computer Science	UGC - CBSE	2014
NPTEL	Cloud Computing	IIT Kanpur	2017
NPTEL	Computer Networks and Internet Protocol	IIT Kanpur	2018
NPTEL	Introduction to Programming in C	IIT Kanpur	2019
NPTEL	Programming in Java	IIT Kharagpur	2020
NPTEL	Data Mining	IIT Kharagpur	2022
NPTEL	Big Data Computing	IIT Kanpur	2022

## Patents

- Dr. G. Vennira Selvi, S. Prabavathy, R. Felista Sugirtha Lizy, Bharathi Anbarasan, G. Jeya Sutha Perciya, P. Roselin, A. Sahaya Arthy, **Construction of App Using Augmented Reality and Virtual Reality- BluePrint**, Indian Patent, Published 10-Dec-2021, The Patent Office Journal No. 50/2021 pp 59938

## Book Chapter Publication

- CRC Taylor Francis book entitled "**Underwater Vehicles Control and Communication Systems Based on Machine Learning Techniques**" Book chapter publication approval on the topic "An Application Oriented Integrated Framework of Energy Efficient Unequal Clustering Algorithm for Wireless Sensor Networks"
- Springer book entitled "**Disruptive Technologies and Digital Transformations for Society 5.0**" Book chapter publication approval on the topic 'CH08: Unified Architectural Framework for Industrial Internet of things'

## Research Publications (Indexed)

- Bharathi Anbarasan, **An Application Oriented Integrated Unequal Clustering Algorithm for Wireless Sensor Network**, **Journal of Advanced Zoology**, ISSN: 0253-7214 Volume 44 Issue I-3 Year 2023 Page 601:615 , 30 Sept 2023
- Bharathi Anbarasan, **3D Holograms-Projections of the Future**, **Journal of Emerging Technologies and Innovative Research**, Vol 6, Issue 6, June 2019, ISSN: 2349-5162 (Indexed in UGC).
- Bharathi Anbarasan, **A Survey on Detecting Software Clones in Web Pages for Code Privacy**, **International Journal of Advanced Research in Computer Science and Software Engineering**, Vol. 5, Issue 9, September 2015, ISSN: 2277 128X (Indexed in UGC)

## Other Publications: International / National Journals

- Bharathi Anbarasan, **Zero Trust Security – A Trustworthy Security Model**, **Digital Information Security and Computing Technologies 2022 International Conference Chapter Edited Book** Vol. 1, Apr 2022, ISBN 978-93-5620-321-1
- Bharathi Anbarasan, **Internet Designing for Mobiles**, **International Journal of Functional Management**, Vol. 5, Issue. 2, June 2013, ISSN NO 2319-1406

- Bharathi Anbarasan, **Using the Computer Brain Cognitive Computing**, International Conference of Department of Computer Applications, Dr. N.G.P Arts and Science College, Coimbatore
- Bharathi Anbarasan, **Big Leap with Big Data**, International Conference on Information and Image Processing, Sankara College of Arts and Science, Coimbatore

#### Consultancy

Nature of Consultancy	Client	Amount	Completion Status
Technical Consultancy	TMS Systems, Coimbatore	₹1000 per annum	Completed

#### Presentations in Conference

- **A Framework of Unequal Clustering Algorithm for Wireless Sensor Networks (FUCA)**, Two days National Conference on AI and IoT for Agriculture Innovation and Environment Sustainability Organized by Dr. N. G. P. Arts and Science College, Coimbatore on 25,26 Aug 2022
- **Zero Trust Security – A Trustworthy Security Model**, Two days International Conference on “Digital Information Security and Computing Technologies” in Collaboration with Lincoln University Malaysia Organized by Sankara College of Science and Commerce, Coimbatore on 09.Apr.2022
- **Rainwater Harvesting Information Technology Trends**, 7th National Conference on “Recent Trends and Advances in the Field of Information Technology,” Karpagam Academy of Higher Education, Coimbatore, 27-Sep-2019.
- **Automatic Subject Allocation through Knowledge Discovery Databases (KDD)**, National Conference on Emerging Research Trends in Computer Science and Technology, SNMV College of Arts and Sciences, Coimbatore, 01-Feb-2019
- **Data Science, Big Data and Data Analytics Techniques: A Comparative Study Along with Its Applications**. National Conference on Emerging Trends in Big Data Technologies and Research Issues, Dr. N.G.P Arts and Science College, Coimbatore, 24-Feb-17.
- **The Internet of Things – the Thing to Watch**, National Conference, PSG College of Arts and Science, Coimbatore, 24-Feb-17
- **Technology Trends for Improved E-governance**, National Conference, PSGR Krishnammal College for Women, Coimbatore, 05-Feb-16.
- **Intelligent Tools for Business Analysis**, National Level Conference on Information and Image Processing, Sankara College of Arts and Science College, Coimbatore, Feb-15

- **Designing the Mobile Web**, National Conference on Web Science and Technology (NCWST-2012), PSG College of Arts and Science, Coimbatore, Oct-12
- **Cloud Computing – Clearing the Cloud**, National Conference on Innovations in Communicative World (NCICW '12), Dr. NGP Arts and Science College, Coimbatore, Sep-2012
- **Technology Trends for Improved Business Intelligence Performance**, International Conference on Ongoing Research in Management & IT (INCON VI 2011), ASM's IBMR, Pune, Mar-2011

### Participation in Conference

#### International

- **Digital Information Security and Computing Technologies**, Sankara College of Science and Commerce, Coimbatore, 09-Apr-22
- **Research Trends in Computer Technologies**, Dr. NGP Arts and Science College, Coimbatore, Jan-2013

### Participation in Seminars

- **TCP (Twenty-First Century Protocol)**, National Level Seminar, Cuddalore (TN), 01-Mar-05
- **Data Analysis with Open Source Software**, UGC Human Resource Development Center, Madurai Kamaraj University, Madurai, 21-Aug-21.

### Participation in Workshops

- **One day Workshop on JAVA 8 Programming**, Marcello Tech, on 17-Sep-2023.
- **DST SERB Sponsored National Level Seminar on “AI Solutions for Former Safety and Security in India” on 21-July-2023**
- **Advanced Artificial Intelligence (AI) Methods in Breast cancer Diagnosis and Clinical Research**, DHR-ICMR Sponsored one day National Level Workshop, Dr. NGP Arts and Science College, Coimbatore, on 26-Nov-2022
- **Intellectual Property Rights (IPR)**, National Level Virtual Workshop, CMS College of Science and Commerce, Coimbatore on 04 to 05-Apr-22
- **NPTEL E-Awareness Workshop**, 06-Jan-22

- **Internet of Things**, Center for Research and Development in association with all the Computer Science Departments, CMS College of Science and Commerce, Coimbatore on 5-June-20 to 6-June-20.
- **Virtual Reality**, Center for Research and Development (in association with all the Computer Science Departments), CMS College of Science and Commerce (Autonomous), Coimbatore, 8 - Jun-20.
- **Artificial Intelligence Revolution**, Center for Research and Development (in association with all the Computer Science Departments), CMS College of Science and Commerce, Coimbatore 09-Jun-20.
- **International World Web Series on LMS: Moodle, Brihaspathi & Sakai, Amazon Web Serviced with EC2 & S3, Transformation Technologies, AI, IoT & Blockchain**, 17 to 19 June 2020
- **Progressive Initiatives of Autonomous Colleges towards Excellence in Global Education**, PSG College of Arts and Science, Coimbatore.
- **Research and Related Tools**, Virtual Workshop, Center for Research and Development, CMS College of Science and Commerce, Coimbatore, 16 to 17-April-21.
- **Data Visualization with Tableau**, Dr. N.G.P. Arts and Science College, Coimbatore, 07 to 08-Aug-17
- **MATLAB for Solving Research Problems**, Dr. N.G.P. Arts and Science College, Coimbatore, 31-Jul-17
- **Cyber Security Trends and Its Challenges in 2013**, Hindusthan College of Engineering and Technology, Coimbatore, 02- Feb-13

#### **Participation in Faculty Development Programme**

- **Nine Days National Level Workshop on DEVOPS**, SRM Institute of Science and Technology, Ramapuram, Chennai, 16 June 2023 to 24 June 2023
- **Five Days FDP on Outcome Based Education**, Dr. N. G. P. Arts and Science College, Coimbatore 17 June 2023 to 21 June
- **Big Data Computing , NPTEL-AICTE IIT Kanpur Faculty Development Programme, AICTE, Aug-Oct 2022**
- **Block Chain Technology – Applications, Issues and Challenges**, Five Days Faculty Development Programme, Department of Computer Science and Engineering, Sri Venkateshwara College of Engineering and Technology, Chittoor, Andhra Pradesh, 18-Apr-2022 to 22-Apr-2022

- **Data Mining** , NPTEL-AICTE IIT Kharagpur Faculty Development Programme, AICTE, Mar-April 2022
- **Funded Research Project Proposal Preparation and Submission Protocol**, National Level Virtual Faculty Development Programme, CMS College of Science and Commerce, Coimbatore, 31-Mar-22
- **OBE Road Ahead To Advance Educational Quality and Enhance Global Mobility**, Seven Day Faculty Development Programme, IQAC and CDC, Kongunadu Arts and Science College, Coimbatore, 10-Nov-21 to 17-Nov-21.
- **How to Open Trading & Demat Account**, Department of Commerce for Faculty Development, Dr. N. G. P. Arts and Science College, Coimbatore, 07-Oct-21.
- Online Faculty Development Programme on **Research Methodology and Pedagogy for Tertiary Education**, Dr. N. G. P. Arts and Science College, Coimbatore, 21 to 25-June-21.
- **Intelligent Systems**, PG and Research Department of Computer Science, Bharathiar University Arts and Science College, Modakkurichi, 24 to 26-Aug-20.
- **Programming in JAVA**, IIT Kharagpur NPTEL-AICTE Faculty Development Programme, AICTE, Jul-Sep 2020
- **Introduction to Programming in C**, NPTEL-AICTE Faculty Development Programme, AICTE, Jul-Sep 2019
- **NAAC Revised Accreditation Framework and OBE Assessment Methodology**, Dr. N. G. P. Arts and Science College, Coimbatore, 27-May-19 to 02-Jun-19
- **Quality Measures in Higher Education**. Dr. N.G.P. Arts and Science College, Coimbatore, 03 to 09-Dec-18.
- **Big Data Analytics**, PSG College of Arts and Science, Coimbatore, 09 to 10-Sep-16.
- **Cloud Infrastructure and Services**, Avinashilingam University and ICT ACT, Coimbatore, 28 Apr-14 to 03-May-14

#### Conference / Seminar / Workshop Organized

- Organizing Member, Webinar, by Dr. Vijay Karthik, Professor and Head, Dept. of Information Science, Visveswaraya Institute of Science and Technology, Bangalore on the topic “IoT and its Applications in Real World,” 20-Sep-2021
- Organizing Member, Second International Conference on Research Trends in Computing Technologies (ICRTCT – 2020), Dr. N. G. P. Arts and Science College, Coimbatore, 28-29-Feb-2020.

- Organizing Member, National Seminar on the Future Artificial Intelligence and Machine Learning Tools and its Applications for Dural Healthcare: A New Paradigm, Dr. N. G. P. Arts and Science College, Coimbatore, 14-Feb-2020
- Organizing Secretary, National Level Seminar, Crystallizing Trends in IT-2012, Sankara College of Arts and Science, Coimbatore, 1-Nov-12.

#### **Member in BoS**

- Subject Expert Member, CMS College of Science and Commerce, Coimbatore, 2020-2021 (both odd and even semesters)
- Subject Expert Member, CMS College of Science and Commerce, Coimbatore, 2021-2022 (both odd and even semesters)

#### **Awards Received**

<b>Awards / Honors</b>	<b>Agency / Institute</b>	<b>Year of Award</b>
Best Teacher for Contribution to Academic Achievement	Dr. N. G. P. Arts and Science College, Coimbatore	2019-20