

CURRICULUM VITAE



Name : **Dr.D.JAYACHITRA**

Qualification : M.Sc., M.Phil, MCA., Ph.D.

Additional Qualifications : SET

Area of Specialization : Data Mining and Warehousing

Data Base and Networks

Python & Java Programming

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Educational Qualification:

Qualification	Subject	University/College	Year of Passing
PhD	Computer Science	Bharathiar University Coimbatore	Oct. 2018
M.C.A	Computer Application	Periyar University, Salem	June 2008
M.Phil	Computer Science	Bharathidhasan University, Trichy	May 2004
M.Sc	Computer Science	Bishop Heber College, Trichy	April 2000
B.Sc	Computer Science	Shrimathi Indira Gandhi College, Trichy	April 1998

Other Additional Qualification:

- Certified two weeks Python 3.4.3 online course organized by Spoken Tutorial Projects, IIT Bombay ,”**Funded by National Mission on Education through ICT, MHRD, GOVT.,**” of India on 23.4.2020
- Certified **Microsoft Innovative Educator** on 29th Nov 2019 by Microsoft Educator Community.
- Completed a certificate course on "**Skill Development in C& C++**" jointly organized by LINSOFT, Trichy and Nehru Memorial College, Puthanampatti.
- Completed a certificate course on “**Software Testing**” in Mayoke Techonology at Chennai.

Teaching Experience:

Years: 20 years 10 months

20 plus years of teaching experience in Post Graduate and Research Department of Computer Science Nehru Memorial College (Autonomous), Puthanampatti - 621 007 from 9.08.2000 to till Date.

Research Experience:

Years : 11 years
Program of Study : M.Phil
Awarded : 20
Ongoing : 03

Papers Published:

1. D.Jayachitra and Dr.J.JebamalarTamilselvi”**Survey on Heterogeneous Network Traffic Analysis with Supervised and Unsupervised Datamining Techniques**”, International Journal of Computer Science and Mobile Computing (IJCSMC)”, Vol:3 Issue 7, 7-July-2014 (ISSN:0786-869//ISSN :3429-4, Pages: 47-59.

2. D.Jayachitra and Dr.J.JebamalarTamilselvi “**Heterogeneous Network Traffic Mining using Unsupervised Classification Framework (IJAER)**” “International Journal of Applied Engineering Research” volume: 10 number: 16 (2015), Pages: 36970-36977, (Indexed in Scopus).
3. D.Jayachitra and Dr.J.JebamalarTamilselvi “**Survey of Supervised Classification Framework Development on Heterogeneous Network**” “International Research Journal of Engineering and Technology (IRJET)” Volume: 02 Issue: 07 Oct-2015, Pages: 628-633.
4. D.Jayachitra and Dr.J.JebamalarTamilselvi “**Traffic Analyzing and Controlling Using Supervised Parametric Clustering in Heterogeneous Network**” “Research Journal of Applied Sciences, Engineering and Technology” volume: 11 issue: 5 15 Oct 2015, Pages: 473-479, (Indexed in Scopus).
5. D.Jayachitra and N.Nithya “**Wireless Sensor Networks in Three-Tier Security Scheme using Polynomial Bool based Algorithms**” “International Journal of Scientific Research” “Volume: 06 Issue: 10 Oct-2017,Pages-548-55, | Issn No 2277 - 8179 | If : 4.176 | Ic Value : 78.46,
6. D.Jayachitra and T.Puvaneswara “**Exploiting Wikipedia and Twitter for Text Mining Applications**” “International Research Journal of Engineering and Technology (IRJET)” “Volume: 04 Issue: 11 Nov-2017, Pages-728-734
7. N.Sivatharani and D.Jayachitra ”**A study on Detecting and Predictiond Stress using Datamining Techniques**” “International journal for scientific research and development” “volume:5,Issue:2,2018-online:2321-0613
8. S.Padmapriya and D.Jayachitra” **Performance Analysis of Various Encryption Algorithm for Data Communication**”, in “International Journal of Computer Science and Technology (IJCST)”, vol:3 issue 3,3-july-2012 (issn:0976-849//ssn :2229-4.

Paper Presented:

1. Presented a Paper, titled “**Performance Analysis of Dynamic Routing Algorithms**” International Seminar on “**Future Scenario of IT**” organized by “Dhanalakshmi Srinivasan Women’s College”, Perambalur on 1.9 2006

Academic Experiences:

1. Served as a convener for the **Webinar** on "**Digital Marketing made Simple**" for the final UG and PG students of Computer Science of Nehru Memorial College on 12.06.2021
2. Served as a convener for the **Webinar** on "**Digital Marketing made Simple**" for the final UG and PG students of Computer Science of Nehru Memorial College on 12.06.2021
3. Served as a convener for the **Webinar** on "**The three E’s of Winning Candidate: Etiquette, Expression, Expertise**" for the final UG and PG students of Computer Science of Nehru Memorial College on 23.5.2020
4. Served as a convener for the “**Web design and Development**” for the final UG and PG students of Computer Science of Nehru Memorial College on 20.5.2020
5. Organized the inauguration function of "**SET/NET**" Coaching - through **video conferencing** on 5.07.2019.
6. Organized a "**SET/NET**" Coaching Class for final year PG, MPhil, Ph.D students of Computer Science of Nehru Memorial College on 24.8 2019.
7. Organized a two day workshop on "**Mobile Application Development using Android**" for the faculty members of Computer Science on 10th and 11th June 2019.
8. Served as a convener for **PG-TRB Coaching classes** organized by NMC Academy Nehru memorial college from 22/4/2019 to 31/5/2019

9. Organized an **Intra-Collegiate Competition** (OPTRA '2008, OPTRA '2009, OPTRA '2010) for UG and PG students of Computer Science, Nehru Memorial College, Puthanampatti-621 007.
10. Exposure to the **preparation of Short Learning Object (SLO)** and prepared a SLO on the topic "**Functional Dependency**".
11. Served as a Micro Quality Assurance Cell (**MQAC**) **Co-ordinator** for the Department of Computer Science, Nehru Memorial College, in the year from 2012 to 2014.
12. Served as an organizing secretary for the **Inter-Collegiate Competition (ThinkQuest'15)** held at Nehru Memorial College on 5.3.2015
13. Organized an Intra Department Competition (**OPTRA'2018'**) for UG and PG students of Computer Science, at Nehru Memorial College, Puthanampatti.on 28.2.2018
14. Convener for the events viz., , **Dumb Charades, Dumb Charades , Dumb Charades Ad-Mad, and Ad-Mad** during the inter-collegiate competitions Think Quest'12, Think Quest'13, Think Quest'14, Think Quest'16 and Think Quest'17 respectively.
15. Handled **NET/SET Coaching** classes for PG students of Computer Science and Computer Applications of Nehru Memorial College.
16. Participated in the **preparation of academic audit report** for the academic year 2012-2013 & 2013-2014.
17. Organized a seminar on” **Career Guidance**” for final year UG students on 4.3.2013, at Nehru Memorial College, Puthanampatti
18. Organized an **Intra-Collegiate Competition** (OPTRA '2008, OPTRA '2009, OPTRA '2010) for UG and PG students of Computer Science, Nehru Memorial College, Puthanampatti-621 007
19. Serving as a **member, MQAC** (Micro Quality Assurance Cell) with effect from 2014 to till date.
20. Serving as Project Advisor by guiding MCA & M.Sc. Computer Science candidates from 2003 to till date.
21. Served as a resource person in the bridge course organized by the Department of Computer Science, Nehru Memorial College, and Delivered a Lecturer on

“**Applications of Computers**” for the first year computer science and application students in the year 2014, 2015, 2016.

22. Served as a resource person in the “**Placement Training Programme**” organized by the Department of Computer Science, Nehru Memorial College, in the year 2015-2016
23. Conducted a Certificate Course on “**SQL,PL\SQL**” for the PG computer science, Computer Applications students of Nehru Memorial College from 2006 to 2007
24. Conducted a Certificate Course on ‘**SQL,PL\SQL**’ for the PG computer science, Computer Applications students of Nehru Memorial College from 2005 to 2006
25. Trained Final PG students of Computer Science and Applications by conducting “**Professional Competency Building Programme**” to improve their Soft and Technical skills.
26. Served as a **Proctor in CVR Hostel**, Nehru Memorial College from July 2001-2002

Workshops / Seminars//FDP/Webinar Attended:

1. Participated in the three days webinar on “**IT Tools and Applications**” organized by Department of Computer Science and Applications, **SRM Arts and Science College**, Trichy on 24.5.2021 to 27.5.2021
2. Participated in the FDP on “**Outcome Based Education: Mapping and Rubrics**” organized Nehru Memorial College, Puthanampatti on 20.5 2021&21.5.2021
3. Participated in the webinar on “**Paving Your Way to Success**” organized by Department of Computer Science and Applications, **SRM Arts and Science College**, Trichy on 19.5.2021
4. Participated in the One Day State Level Webinar on “ **Opportunities and Challenges in Cyber Security &Threats**” organized by Department of Computer Science, Meenaakshi Ramasamy Arts and Science College, Thathanur on 4.5 2021
5. Participated in the one Day National Level Webinar on “**Recent Trends in Mobile Computing and its Applications**” in association with United Technology organized by the Post Graduate and Research Department of Computer Science, Nehru Memorial College, Puthanampatti on 17.7 2020

6. Participated in the Webinar on “**Challenges in Job Opportunities**” organized by Post Graduate and Research Department of Computer Science in association with United Technologies, Chennai, on 11.7.2020.
7. Participated in the Webinar on “**Opportunities in Digital World**” organized by Post Graduate and Research Department of Computer Science in association with United Technologies, Chennai, on 6.6.2020
8. Participated in the International webinar on ”**Recent Insights on Cyber Security**” organized by the PG and Research Department of Computer Science **Cauvery College** for Women, Trichy on 7.5.2020.
9. Participated in the Webinar on “**The Three E’s of a Winning Candidate: Etiquette, Expression, Expertise**” organized by Post Graduate and Research Department of Computer Science, Nehru Memorial College, Puthanampatti on 23.5.2020.
10. Participated in the FDP-webinar on “**Applications of Data Analytics in Data Science**” organized by PG and Research Department of Computer Science, National College, Trichy on 21.5.2020 and 22.5.2020
11. Participated in the webinar on “**Cyber Threats & Security Opportunities and Challenges**” organized by Department of Computer Science and Applications, **SRM Arts and Science College**, Trichy on 22.5.2020 .
12. Participated in the FDP-webinar on “**Applications of Data Analytics in Data Science**” organized by PG and Research Department of Computer Science, National College, Trichy on 21.5.2020 and 22.5.2020
13. Participated in the one Day Webinar on “**Web Design and Development**” organized by Post Graduate and Research Department of Computer Science, Nehru Memorial College, Puthanampatti on 20.5.2020.
14. Participated and completed two weeks FDP on” **Managing Online Classes and Co-Creating MOOCS**” organized by Teaching learning Centre Ramanujan college university of Delhi sponsored by “**Ministry of Human Resource Development Pandit**

Madan Mohan Malaviya National Mission on Teachers and Teaching” on 20.04.2020 to 06.05.2020.

15. Participated in the webinar on “**Cloud Services-Salesforce CRM & Application Setup**” organized by Department of Computer Science, M.O.P Vaishnav College for Women, Chennai, on 14.5.2020.
16. Participated online FDP Programme on **Python 3.4.3** organized by Vivekananda College OF engineering for women in association with Spoken Tutorial Projects, IIT Bombay ,on 9.4.2020 on 16.4.2020
17. Participated in the webinar on “**e-Content Development**” organized by “**Research Center for English Language and literature** “on 10.4.2020
18. Participated in a one day online workshop on “ **Stress Management: Life Coaching**” organized by “**Indian Institute of Mother and Child Welfare(IIMCW), Kolkata, West Bengal**”, held on 14.4.2020
19. Participated and completed with A Grade in a three days online workshop on “**Reference Management Tools and Online Citation Database**” held on 19.4.2020 to 21.4.2020 organized by “**Indian Academic Researchers Association**”, Trichy.
20. Participated in the FDP “**Demonstration Cum Hands on Exposure in R Programming**” organized by Spoken Tutorial Projects, IIT Bombay from 19.4.2020 to 24.4.2020.
21. Participated in the FDP “**Demonstration Cum Hands on Exposure in PHP and MYSQL**” organized by Spoken Tutorial Projects, IIT Bombay from 27.4.2020 to 1/5/2020.
22. Participated and completed two weeks Python 3.4.3 organized by Spoken Tutorial Projects, IIT Bombay ,”**Funded by National Mission on Education through ICT, MHRD, GOVT.,**” of India on 23.4.2020

23. Participated and successfully completed Three days “**Online Multi Criteria Decision Making Workshop(MCDM)**” organized by “**REST Society for Research International(RSRI)**,Krishnagiri, on 23.4.2020 to 25.4.2020
24. Participated in five days online course on “**Personality Development**” organized by Department of Business Administration, Vivekanandha College of Arts & Science, for Women , Namakkal on 17.4.2020 , 18.4.2020
25. Participated in TWO days FDP on “**Emerging Research Trends in Computer Science & Applications**” organized by Department of Computer Science and Applications, KG College of Arts & Science, Coimbatore on 22.3.2020 to 26.3.2020
26. Participated and successfully completed five days online course on “**Stress Management**” organized by Department of Management and Research, AVS College of Arts & Science, Salem on 13.4.2020 to 17.4.2020
27. Participated in “**Mobile Application Testing**” Workshop conducted by Dextrasys Technologies Private Limited, Trichy on 14/12/2019.
28. Participated one Day “**Faculty Development Program on Student Skills**” organized by UGC, Nehru Memorial College, Puthanampatti on 30th May 2019.
29. Participated “**The art of Writing Winnable Project Proposal for Funding** ” organized by Principles Welfare Cell Conducted on 23rd March 2019 at Sankara college of Science and Commerce, Coimbatore
30. Participated one Day “**Faculty Development Program on Coding Theory& Machine Learning**” organized by Post Graduate and Research Department of Computer Science, Nehru Memorial College, Puthanampatti on 19th March 2019.
31. Participated One Day Workshop on “**Mobile Apps Development**” organized by PG and Research Department of Computer Science at Nehru Memorial College, Puthanampatti on 08th December 2018.

32. Participated One Day Workshop on “**Outcome Based Education**” organized by UGC at Nehru Memorial College, Puthanampatti on 25th August 2018.
33. Participated Two Day “**Faculty Development Program**” organized by UGC, Nehru Memorial College, Puthanampatti on 11th and 12th June 2018.
34. Participated Two Day Workshop on “**Innovative Curriculum Designing**” organized by UGC, Nehru Memorial College, Puthanampatti on 24th and 25th November 2017.
35. Participated one Day “**Faculty Development Program on Effective Teaching**” organized by UGC, Nehru Memorial College, Puthanampatti on 12th June 2017.
36. Participated Two Day Workshop on “**Personality Development and Life Skills**” organized by Rajiv Gandhi National Institute of youth development (YDP), at Nehru Memorial College, Puthanampatti on 20th and 21th February 2015.
37. Participated in the Faculty Development Programme on “**Impact of Research on Teaching in Higher Education**” organized by IQAC of Nehru Memorial College, Puthanampatti on 11th June 2014.
38. Participated Two Day Workshop on “**LateX**” organized by ABEL Interdisciplinary Research Cell, Department of Mathematics, Nehru Memorial College, Puthanampatti on 11th and 12th November 2013.
39. Attended Four day Training-cum-Production Workshop on “**e-Content Development**” organized by Nehru Memorial College, Puthanampatti from 23.10.2013 to 26.10.2013 and **developed** “Short Learning Object on **Functional Dependency**” during the workshop.
40. Participated in the National Level Workshop on “**Rapid Miner-Data Mining Tool**” Organized by School of Computing Science and Engineering, at VIT Chennai on 5th October 2013..
41. Attended a One Day Seminar on “**Recent Trends in Research on Computer Science and Applications**” held on 17th August 2012 at Saranathan College of Engineering, Trichy.
42. Attended One Day National Level Workshop on “**Journal Writing**” held on 2nd May 2012, organized by the Department of Computer science and engineering, at FOSS Center, Jaya Engineering College. Chennai.

43. Attended a Seminar on “*Examination Reforms*” conducted by “Internal Quality Assurance Cell (IQAC) of Nehru Memorial College”, Puthanampatti on 15th March, 2012.
44. Attended a Seminar on “*Embedded Systems & its Applications*” conducted by “Post Graduate & Research Department of Physics and Computer Science of Nehru Memorial College”, Puthanampatti on 13th March 2012.
45. Attended a Seminar on “*Higher Education*” conducted by “Internal Quality Assurance Cell (IQAC) of Nehru Memorial College”, Puthanampatti on 21st January 2012.
46. Participated One Day National Level Workshop on “**NS2 Simulation Techniques in Wireless Networks SWAN’10**” held on 20th Nov 2010 in the Department of Computer Applications, at Karunya University, Coimbatore.
47. Participated in Seven days Workshop in LINSOFT Computers, Trichy headed by Prof. Mr. S.T.Rajan, Head & Associated Professor, St. Joseph’s College, Trichy on “*Windows Programming using WIN 32 API & MFC*”.
48. Participated in Two Days Workshop conducted in Nehru Memorial College, Puthanampatti on “*LINUX Administration*”.
49. Attended a seminar on "*Software Development Life Cycle*" organized by PG and Research Department of computer Science, Nehru Memorial College, Puthanampatti on 09.09.2006.
50. Participated in One day Workshop conducted in Nehru Memorial College, Puthanampatti on “*Perl Scripting*”.

Membershipin:

Academic Bodie:

1. Serving as a BOS member for the courses, B.Sc(CS), BCA, M.Sc(CS), M.Sc(IT) and M.Phil(CS) offered by the Department of Computer Science, Nehru Memorial College(Autonomous) since 2007

Invited Talks (External)

1. Conducted an **outreach programme** to the students (XII standard) of Government Higher Secondary School (ADW), M.R.Palayam, Musiri- TK, Trichy on 03/12/2019 and delivered a lecture on "**Digital Awareness Programme**".
2. Served as a resource person in the **extension activity** organized by PG and Research Department of Computer Science on 31th July 2019 held at Sengunthar Higher Secondary School, Thuraiyur on "**Digital Awareness Programme**" for the school students.

Invited Talks (inside the campus):

1. Delivered a lecture on "**Electronic Communication & Cloud Storage**" organized by Nehru Memorial College exclusively for the +2 students in the webinar series on "Fundamentals of Computer" on 01.06.2021 via google meet platform
2. Served as a Resource Person and delivered a Lecture on "**Normalization, ER-Diagram**" on 28/08/2019, 29/08/2019, 30/08/2019 in the "Software Engineering" Training Programme organized by Department of Computer Science, Nehru Memorial College, Puthanampatti.
3. Served as a Resource Person and delivered a Lecture on "**Data Base Concepts**" on 01/07/2019 in the Bridge Course organized by Department of Computer Science, Nehru Memorial College, Puthanampatti.
4. Delivered a Lecture on "**Applications of Computers**" in the Bridge Course organized by the Department of Computer Science, Nehru Memorial College for the Nehru Memorial College for the 1st year Under Graduate students of Computer Science and Computer Application during the academic years 2014-2015, 2015-2016 and 2016-2017
5. Served as a resource person in the "**Placement Training Programme**" organized by the Department of Computer Science, Nehru Memorial College, in the year 2015-2016
6. Served as a resource person for the **Computer training Programme** organized by Department of Computer Science **for the Presidents and Secretaries of Musri Panchayat Union** from 18.11.2013 to 22.11.2013.

Papers Handled in UG/PG/M.Phil Level

1. Programming in C/C++/JAVA
2. Operating Systems
3. Data Structures and Algorithms
4. Data and Communication Networks
5. Data Base Management Systems
6. Compiler Design
7. Software Engineering
8. Markup and Modeling Languages / WAP & XML
9. Web technology
10. Python Programming
11. Linux System Administration
12. Data Mining and Warehousing
13. Microprocessor and Microcontroller
14. Cloud Computing
15. NoSQL
16. Big data Analytics
17. Network Security

Software Proficiency:

- C, C++, JAVA (Core, Advanced) Linux
- MS-Office, Oracle
- Web programming: HTML, DHTML
- PHP, VBScript, JavaScript, MySQL, Perl, Python
- WEKA tool.

Personal Profile:

Husband's Name : V.Gunamoorthy
Marital Status : Married
Languages known : Tamil & English
Permanent Address : 5 / 1428 Parashakthi Nagar,
Pichandarkovil,
No.1.Tolgate,
Trichy.621216.

D.JAYACHITRA