

CURRICULUM VITAE

Name : **Dr.P.KALPANA**
Qualification : M.Sc., PGDIT., M.Phil.,MBA., Ph.D.
Additional Qualifications : SET (October 2012)
UGC-NET(June 2019)
Area of Specialization : Data Mining and Warehousing
Data Structures and Algorithms
Machine Learning
Python & R Programming
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University Academic Record

Qualification	Institution/University	Month & Year of passing / Percentage
Ph.D (CS)	Bharathidasan University Tiruchirappalli	September 2019
M.B.A (HRM)	Bharathidasan University Tiruchirappalli	Apr. 2008 / 73.65
M.Phil (CS)	Bharathidasan University Tiruchirappalli	Mar. 2004 / 85.60
M.Sc (CS)	Seethalakshmi Ramaswami College (Autonomous), Tiruchirappalli	Apr. 2001/ 87.00
PGDIT	Kaashyap Radiant Systems Limited, Tiruchirappalli	Mar 2001/ 'A' Grade
B.Sc (CS)	Seethalakshmi Ramaswami College (Autonomous), Tiruchirappalli	Apr. 1999 / 85.96
H.S.C	Govt. Girls Higher Secondary School, Attur	Mar. 1996 / 86.25
S.S.L.C	Govt. Girls High School Pethanaicken Palayam	Apr. 1994 / 85.80

Other Additional Qualifications

- Completed an online course on "**Software Testing**" conducted by **NPTEL** from Jan- Feb 2020 with **84% (Elite + Silver Medal) (Topper 5%)**.
- Successfully completed the course on "**Flipped instruction with PowerPoint Recorder**" on 7th December 2019 conducted by **Microsoft Educator Community**.
- Successfully completed "**OneNote Class Notebook: A teacher's all-in-one notebook for students**" course conducted by **Microsoft Educator Community** on 7th December 2019.
- Awarded **Certified Microsoft Innovative Educator** on 29th Nov 2019 by Microsoft Educator Community.
- Completed an Online course entitled "**Python for Data Science**" offered by **NPTEL** with a consolidated score of **83% (Elite + Silver Medal) (Topper 5%)**.
- Completed an online course entitled "**Descriptive Statistics with R software**" offered by **NPTEL** with a consolidated score of 88% (**Silver Medal**)
- Completed an online course entitled "**Computing for Data Analysis**" conducted by **John Hopkins University**.
- Completed an online course entitled "**Introduction to Data Science**", conducted by **University of Washington**.
- Completed an online course entitled "**An Introduction to Interactive programming in Python**" conducted by **Rice University** with distinction.
- Completed a certificate course on "**Skill Development in C& C++**" jointly organized by LINSOFT, Trichy and Nehru Memorial College, Puthanampatti.
- Passed in **Typewriting English Junior Grade** conducted by the Government of Technical Examinations held in February 2000.

Teaching/Research Experience

Teaching Experience:

Designation : Assistant Professor

Institution : Nehru Memorial College (Autonomous),
Puthanampatti - 621 007

Department : Post Graduate and Research Department of Computer Science

Experience (In Years & Months):	UG	: 19 - Years & 11 Months
	PG	: 19 - Years & 11 Months
	M.Phil	: 11- Years

Research Supervision/ Guidance:

Program of Study : M.Phil Awarded: 15 Ongoing: 01

Other Academic Experiences

1. Served as a convener for the **International Webinar** on "**A Primer to Embedded Software Development**" for the final UG and PG students of Computer Science of Nehru Memorial College on 23.04.2021.
2. Organized an **National e-Quiz** on "**Python Programming**" from 27.07.2020 to 31.07.2020.
3. Served as a convener for the **National Webinar** on "**Recent Trends in Mobile Computing and its Applications**" on 17.07.2020.
4. Served as a convener for the national-level **online Quiz** on "**D-Bug C-Bug**" from 25.05.2020 to 30.05.2020 and 03.06.2020.
5. Served as a reviewer for the International conference on **Kalasalingam Global Conference (KGC-2019)**, organized by Kalasalingam Academy of Research and Education, Deemed to be University, Anand Nagar, Krishnankoil-626126, Srivilliputtur, Virudhunagar(DT), Tamil Nadu, India to be held on 18.12.2019 to 20.12.2019.
6. Served as a coordinator for the webinar on "**Journey to Sales Force**" organized by PG and Research Department of Computer Science, Nehru Memorial College on 25.07.2019.
7. Organized an International Webinar on "**Secret of Success Mantras**" for the final UG and PG students of Computer Science of Nehru Memorial College on 09.07.2019.
8. Served as a convener for **PG-TRB coaching classes** organized by **NMC Academy**, Nehru Memorial College from 22.04.2019 to 31.05.2019.
9. Organized a Faculty Development Programme on "**Coding Theory and Machine Learning**" held at Nehru Memorial College, Puthanampatti on 19.03.2019.
10. Exposure to the **preparation of Short Learning Object (SLO)** and prepared a SLOs on various topics. (**YouTube Channel: Kalpana Parasuraman**)
11. Acted as a **Master of Ceremony (emcee)** for various events held in the department and college level.
12. Handled **NET/SET coaching** classes for PG students of Computer Science and Computer Applications of Nehru Memorial College.
13. Serving as a **training member** in the **Competency Building Programme** (A programme to train the PG students of Computer Science, Nehru Memorial College for placement).

14. Organized an **Intra-Collegiate Competition** (OPTRA '2008, OPTRA '2009, OPTRA '2010 and OPTRA '2018) for UG and PG students of Computer Science, Nehru Memorial College, Puthanampatti-621 007.
15. Served as an organizing secretary for the **Inter-Collegiate Competitions** (ThinkQuest'12) held at Nehru Memorial College on 25.02.2012.
16. Convener for the events viz., **Ad-MAD, Surprise Event, Ad-Mad, Dumb Charades and Dumb Charades** during the inter-collegiate competitions Think Quest'13, Think Quest'14, Think Quest'15, Think Quest'16 and Think Quest'18 respectively.
17. Appointed as a **member of IQAC (Internal Quality Assurance Cell)** of Nehru Memorial College with effect from 2017 for a period of two years.
18. Served as a committee member in the two-day workshop on "**Application Development using Python**" held at Nehru Memorial College, Puthanampatti from 17.02.2017 to 18.02.2017.
19. Organized a seminar through **video conferencing** on "**Recent Trends in IT and Job Opportunities**" on 04.07.2016.
20. Organized a **state level workshop** on "**Code Yourself with Python**" held at Nehru Memorial College from 24.02.2016 and 25.02.2016.
21. Organized a seminar on "**Perspectives in Research Forum on Cloud Computing and Big data & Analytics**" at Nehru Memorial College on 25.01.2016.
22. Served as a committee member in the two-day state-level workshop on "**Interactive Programming using PYTHON**", organized by department of Computer science from 29.09.2015 to 30.09.2015.
23. Organized a seminar on "**Data Mining & its Applications**" held at Nehru Memorial College on 14.03.2015.
24. Conducted a **Community outreach programme on Enhancing the Language and Problem Solving Skills** at Sowdambiga Matriculation School, Thuraiyar for XI and XII standard on 12.09.2015.
25. **Served as a convener** and coordinator for a **forum** called "**Code Venture**" - A space for enhancing programming skills from 2014 to 2017.
26. Organized the inauguration function of "**Code Venture**" - A space for enhancing programming skill through **video conferencing** on 21.02.2014.
27. Participated in the **preparation of academic audit report** for the academic year 2014-2015 & 2015-2016.
28. Participated in the preparation of **Self Study Report** of Computer Science Department of Nehru Memorial College submitted to NAAC for accreditation during November 2011.
29. Served as a **MQAC coordinator** from 2014 to 2016.
30. Serving as a **member, MQAC** (Micro Quality Assurance Cell) with effect from 2012 to till date.

31. Serving as an **in-charge** for the PG and Research Department of Computer Science **library** from July 2012 to till date.
32. Conducted **certificate courses in C & C++** for PG students of Nehru Memorial College from 2005 to 2007.
33. Served as a **Proctor in CVR Hostel**, Nehru Memorial College from July 2003 to April 2009.
34. Worked in the development of **Office Automation Package in FoxPro 2.5** under Windows 95 platform at Seethalakshmi Ramaswami College (Autonomous), Tiruchirappalli.

Membership in

Professional Bodies

1. Member in International Association of Engineers (IAENG), a non-profit international association for the engineers and the computer scientists (Member No:132362)

Academic Bodies

1. Serving as a Board of Studies member for B.Sc and M.Sc Data Science courses offered by the Department of Data Science, Nehru Memorial College College (Autonomous), Puthanampatti since 2018.
2. Serving as a BOS member for the courses PGDCA, 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.
3. Served as an Alumna and Academic representative in the Board of Studies of Seethalakshmi Ramaswami College (Autonomous), Tiruchirappalli for the courses B.Sc (CS), BCA and M.Sc (CS) held on 27/04/2021 online.

Invited Talks (External)

1. Served as a resource person for the "**Value Added Course - Data Analytics**" organized by the Department of Computer Science on 04.03.2021 and 19.03.2021 and delivered a lecture on "**Descriptive and Predictive Analytics using Python**".
2. Served as a resource person for the **short term course** on "**Code Yourself in Python for Beginners**" from 29.07.2020 - 02.08.2020 organized by the Department of Computer Science and Engineering, University College of Engineering, Dindigul (through Online).
3. Served as a resource person and delivered a lecture on "**Basics of Data Science**" in the Computer Science Association seminar organized by Seethalakshmi Ramaswmi College (Autonomous), Triuchirappalli on 20/02/2020.

4. 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 **Python Programming (Importing C++ Programs in Python)**.
5. 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.
6. Acted as a resource person in the National Workshop on **Data Mining Tools for Research (NWDMT 2019)** and delivered a lecture on "**R programming for Data Science**" on 24.01.2019(AN), organized by PG and Research Department of Computer Science, Jamal Mohamed College (Autonomous), Tiruchirappalli.
7. Served as resource person in the one-day workshop on "**Joy of Computing with Python**" organized by the department of Computer Science and Computer Applications of Sri Kailash Women's College, Periyeri village, Thalaivasal (Via), Attur-Tk, Salem-Dt, Pin: 636112 on 04.01.2019
8. Served a resource person for a one day National Level workshop on "**Web Application Development Using PHP and MySQL**" in the department of Computer Application of Thanthai Hans Roever College (Autonomous), Perambalur on 26.02.2018.
9. Served as a resource person for the two-day workshop on "**Code Yourself with Python**" held at St. Antony's College of Arts and Science College for women, Dindugal from 24.03.2017 to 25.03.2017.
10. Delivered a demonstration based lecture on "**Python for Everybody**" at Meenakshi Ramaswami Arts and Science College, Thathanur on 30.09.2016.
11. Delivered a lecture on "**Developing Web Applications with PHP and MySQL**" at Shri Sakthikailash Women's College, Salem on 29.08.2016.
12. Delivered a lecture on "**Python Language**" on 18.01.2016 at Shri Sakthikailash Women's College, Salem.
13. Delivered a Lecture on "**Distributed Programming using J2EE**" for the faculty member of Computer Science department, Valluvar Arts and Science College, Karur during the faculty development programme on 19.09.2015.
14. Delivered a Lecture on "**C-Bug Debug**" at Imayam College of Information Technology, Thuraiyur on 07.03.2013.
15. Delivered a Lecture on "**Linux Operating System**" at Dhanalakshmi Srinivasan College of Arts and Science for women, Perambalur on 16.08.2012.
16. Delivered a Lecture on "**Soft Skill Development**" at Jayaram College of Engineering and Technology, Pagalavadi, Thuraiyur, Trichy Dt on 02.01.2011.

Invited Talks (inside the campus)

1. Served as resource person in the 3-day workshop on "**Exploratory data analysis using PYTHON, R and Spread Sheet**" organized by PG and Research Department of Computer Science and delivered a lecture on "**Data Analysis using PANDAS**" from 29-01-2020 to 31-01-2020.
2. Delivered a lecture on "**Google Apps**" organized by Nehru Memorial College exclusively for the +2 students in the webinar series on "Fundamentals of Computer" on 02.06.2021 via google meet platform.
3. Served as a organizing member in the two-day Faculty Training Programme on "**Machine Learning Techniques**" organized by the Department of Data Science and delivered a lecture on "**Machine Learning Techniques - Classification**" from 30.08.2019 to 31.08.2019.
4. Served as a Resource Person and delivered a Lecture on "**A Preamble to Windows and Linux Operating System**" on 01/07/2019 in the Bridge Course organized by Department of Computer Science, Nehru Memorial College, Puthanampatti.
5. Delivered a Lecture on "**An Introduction to Linux Operating System**" in the **Bridge Course** organized by the Department of Computer Science, 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.
6. Served as resource person in the **FDP** organized by the department of Computer Science for the faculty of Computer science and delivered a lecture on "**PYTHON PROGRAMMING**" on 06.04.2017.
7. Served as a resource person for the state level workshop on "**Application Development using Python**" held at Nehru Memorial College, Puthanampatti from 17.02.2017 to 18.02.2017.
8. Served as a resource person in the state level workshop on "**Code Yourself with Python**" from 24.02.2016 to 25.02.2016.
9. Delivered a lecture on "**Protect your Eyes with RedShift GUI**" at Nehru Memorial College in the Faculty Empowerment Programme on 23.08.2015.
10. Delivered a Lecture on "**Garbage Collections in JAVA**" at Nehru Memorial College for UG and PG students of Computer Science and Computer Application organized under CSI on 19.08.2015.
11. Served as resource person for the workshop on "**Application Development using Python**" held at Nehru Memorial College from 29.08.2015 to 01.09.2015.
12. Served as resource for the workshop on "**Interactive Programming using Python**", organized for the students of Nehru Memorial College from 29th to 30.09.2014.

13. Served as resource person for the workshop on "**Game Development Using Python**" held at Nehru Memorial College from 9.10.2013 to 11.10.2013.
14. 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.

Seminars/Webinar/Workshops/FDP Attended

1. Participated in the International FDP Hands-on "**MOODLE**" organized by ALUMNI ASSOCIATION - ANUBANDHA, SJR College for Women from 07.06.2021 to 09.06.2021.
2. Participated in the DBT Sponsored Virtual "**Short Term Training Program (STTP) on Data Science and Statistical Applications**" jointly Organized by the Department of Statistics, Bharathiar University, Coimbatore -641046 and PG & Research Department of Mathematics, Jamal Mohamed College (Autonomous), Tiruchirappalli – 620 020 (Under DBT Star College Scheme) for seven days from 15.03.2021 to 20.03.2021 and 22.03.2021.
3. Participated in the webinar on "**Exploring MongoDB**" organized by the Department of MCA, Sona College of Technonolgy, Salem on 20.03.2021.
4. Participated in the national webinar on "**Virtual Meetings: Methods, Issues and challenges**" organized by the Department of Computer Science, Maharaja Ganga Singh University, Bikaner held on 27/02/2021.
5. Participated in the national webinar on "**Python with Django**" organized by Department of Information Technology, Karmaveer Bhaurao Patil College, Vashi held on 12.02.2021.
6. Participated in the **online FDP** on "**Novel Tools for Online Teaching**" organized by UG Department of Computer Applications, Bishop Heber College, Trichy on 25.07.2020.
7. Participated in the **two-day FDP webinar** on "**Applications of Data Analytics in Data Science**" organized by the PG and Research Department of Computer Science, National College, Tiruchirappalli from 21.05.2020 and 22.05.2020.
8. Participated in a **two-day FDP** on "**Applied Research in Multidisiplinary Studies**" organized by the Department of Computer Applications, Sona College of Technology from 18.05.2020 to 19.05.2020.
9. Participated in the **International FDP** on "**Develop the ability to write research proposal**" organized by Adarsh Group of Institutions, Bengaluru, Karnataka on 24.04.2020.
10. Participated and completed a **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 from 20.04.2020 to 06.05.2020.
11. Completed a **FDP** on "**Software Testing** " approved AICTE and conducted by NPTEL held from Jan- Feb 2020" from with 84%.
 12. Completed a one-day **online national workshop** on "**creation of Digital and Educational Posters**" on 20th September 2020, organized by Tumkur University Teachers Educator's Association, Tumakuru, Karnataka.
 13. Participated in the **two-day Online Workshop** On "**ICT & LMS TOOLS**" held on June 27-28, 2020 organized by Odd-Partikle, a Youtube Platform.
 14. Participated in the **one-day online workshop** on "**ICT BASED TEACHING-LEARNING TOOLS**" held on 31st May 2020 organized by Odd-Partikle, a Youtube Platform.
 15. Participated and successfully completed a **3 days online workshop** on "**Reference Management Tools and Online Citation Database**" with A grade held on 19th to 21st April 2020 organized by Indian Academic Researchers Association, Tiruchirappalli.
 16. participation in the **Two - Day National Level E-Workshop** on "**Understanding OBS Studio & Streamyard for E-Content Creation and Live Streaming**" organized by the Faculty of Humanities and Science, Adayalampattu Phase -II campus , Dr.M.G.R EDUCATIONAL AND RESEARCH INSTITUTE(Deemed to be University), Chennai from 10th July & 11th July 2020.
 17. Completed a **5-day online course** on "**Stress Management**", organized by the Department of Management and Research, A.V.S College of Arts and Science, Salem, from 13-04-2020 to 17-04-2020
 18. Participated in the **webinar** on "**Research Trends in Computer Science**" on 05.03.2021 organized by the Department of Information Technology, Bishop Heber College (Autonomous), Tiruchirappalli.
 19. Attended a **webinar** on "**TRECVID: The Video Retrieval Evaluation Benchmark**" organized by the Department of CSE, Indira Gandhi Delhi Technical University for Women (IGDTUW), Delhi on 21.12.2020.
 20. Participated in the one-day **National Level Webinar** on "**Application of Data Analytics using SPSS**" organized by the Department of Mathematics, Faculty of Humanities and Science, Adayalampattu Phase - II campus, Dr.M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE (Deemed to be University with Graded Autonomy Status), Chennai in collaboration with IIHRD on 09.12.2020.
 21. Participated in the **webinar** titled "**How to become a YouTuber and Earn Money on YouTube**" organised by EDII-TN IEDP Trichy Hub, University College of Engineering, BIT Campus, Anna University, Tiruchirappalli on 20.10.2020.

22. Participated in the **National Webinar** on "**Python for Natural Language Processing**" organized by the Department of Computer Science and Computer Applications, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore on 07.10.2020
23. Participated in the **National Webinar** on "**Selenium Framework for Automation Testing**" organized by P.G. Department of Computer Applications, Nallamuthu Gounder Mahalingam College, Pollachi on 05.09.2020.
24. Participated in the **webinar** titled "**Battle Against COVID-19 with Aarogya Setu**" held on 02.07.2020, organized by Department of Computer Science & Engineering, Pondicherry Engineering College, Puducherry
25. Participated in the **webinar** on "**DigiLocker:A Technical Awareness**" organized by the Department of Computer Science & Engineering, Pondicherry Engineering College, Pondicherry held on 30.06.2020.
26. Participated in the **National Webinar** on "**Data Visualization in Data Science**" organized by the Department of Computer Science, St Paul's College, Kalamassery on 27.06.2020.
27. Participated in a two day **live webinar** on "**The Practicality of Enhancing the Emotional Intelligence of Staff and Students amidst COVID Pandemic**" from 24.06.2020 to 25.06.2020 hosted by Department of Chemistry and Department of Mathematics, University College of Engineering, BIT Campus, Anna University, Tiruchirapalli, Tamilnadu – 620 024
28. Participated in the **webinar** on "**Artificial Intelligence and Machine Learning**" on Saturday 30.05.2020 conducted by Mr. Bhargav Ravat and hosted by the Department of Computer Science, Dr. Subash Technical Campus, Junagadh.
29. Participated in the **International Webinar** on "**Distributed Cloud Computing in Social Media**" organized by P.G and Research Department of Computer Science, Srimad Andavan Arts and Science College, Trichy on 29.05.2020
30. Participated in the **Webinar** on "**AI - FROM ZERO TO HERO**", organized by PG & Research Department of Computer Science and Computer Applications, Padmavani Arts & Science College for Women jointly with Microsoft Dev Geeks Community on 18.05.2020.
31. Participated in the **webinar** on "**Cyber Security - A Hacker's Perspective**" organized by Dr. Subhash Technical Campus conducted by Sunny Vaghela on 15.05.2020.
32. Participated in the **Live webinar** on "**Assessment and Evaluation in Outcome Based Education**" hosted by the Office of Controller of Examination, G.T.N. Arts College (Autonomous), Dindigul, Tamilnadu - 624 005 on 11.05.2020
33. Participated in the **National Webinar** on "**Empowering Teachers for Technology Enhanced Classroom**", organised by the Department of

- Educational Planning and Administration, Tamil Nadu Teachers Education University, on 09.05.2020.
34. Attended the **webinar** on "**Turnitin Online on Campus**" held on 04.05.2020 organized by Guru Nanak Institute of Management Studies, New Delhi in association with Turnitin.
 35. Participated in the **Webinar** entitled "**Autonomy and Academic Independence**" organized by Shiksha Sanskriti Utthan Nyas (SSUN), Tamil Nadu on 02.05.2020.
 36. Participated in the **One day webinar** on "**Enhancing Research Effectiveness using Scopus, Sciencedirect and Mendeley**" on 01.05.2020 organized by Faculty Development Centre, Kurukshetra University, Kurukshetra, in collaboration with Elsevier(Under the aegis of PMMMNMTT, MHRD, Govt. of India).
 37. Participated in the **online webinar** titled "**International Patent Filing Process**" organized by the Department of Electrical and Electronics Engineering, Sri Krishna College of Technology, Coimbatore 25.04.2020.
 38. Participated in the **Four-day webinar** on "**An Effective Research Paper Writing Skills**" from 13.04.2020 to 16.04.2020, organized by Bhagwan Mahavir College of Commerce and Management Studies, Bhagwan Mahavir University, Surat, Gujarat.
 39. Participated in the **webinar** on "**e-Content Development**" organized by Research Centre for English Language and Literature at www.vishwanathbite.com on 10.04.2020.
 40. Participated and completed a **one-day workshop** on **C and C++** held at Sona College of Technology, Salem on 29.02.2020 organised by the Teaching Learning Centre (I.C.T.) at **IIT Bombay**, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India.
 41. Participated in **Mobile Application Testing Workshop** conducted by Dextrasy Technologies Private Limited, Trichy on 14.12.2019.
 42. Participated in the Two-day Faculty Development Programme on "**Mobile Application Development using ANDROID**" organized by PG and Research Department of Computer Science from 10.06.2019 to 11.06.2019.
 43. Participated in the Faculty Development Programme on "**Students Skills, Mentoring and Counseling**" organized by Nehru Memorial College (Autonomous), Puthanampatti on 30.05.2019 under the aegis of UGC Autonomous Grant.
 44. Participated in the PDP entitled "**The Art of Writing Winnable Project Proposal for Funding**" organized by PWC (Principals Welfare Cell) and ASFASM (Association of Self-financing Arts, Science and Management Colleges of TamilNadu) conducted on 23.03.2019 at Sankara College of Science and Commerce, Coimbatore

45. Participated in the one day FDP on "**Coding Theory and Machine Learning**" organized by the PG & Research Department of Computer Science, Nehru Memorial College, Puthanampatti on 19.03.2019.
46. Participated in the one day workshop on "**Data Science Tools - Industrial Perspectives**", organized by the Department of Data Science, Nehru Memorial College, Puthanampatti on 28.12.2019.
47. Participated in the workshop on "**Mobile Apps Development**" organized by the department of Computer Science, Nehru Memorial College (Autonomous), Puthanampatti on 08.12.2018.
48. Participated in the two-day Faculty Development Programme on "**Outcome Based Education**", organized by the IQAC of Nehru Memorial College from 23.08.2018 to 24.08.2018.
49. Participated in the two-day workshop on "**Innovative Curriculum Designing**" conducted under the aegis of UGC Autonomous Grant on 24.11.2017 and 25.11.2017 at Nehru Memorial College, Puthanampatti.
50. Participated in the Faculty Development Programme on "**Effective Teaching**" organized by Nehru Memorial College, Puthanampatti on 12.06.2017.
51. Attended a two-day seminar cum workshop on "**Administrative Skill Development**", organized by Nehru Memorial College from 23.02.2017 to 24.02.2017.
52. Attended a one day workshop on "**Video Lesson Preparation**" organized by National Institute of Technology on 09.12.2016.
53. Participated in the three day CSIR-sponsored workshop on "**Data Science – Research**" organized by National Institute of Technology, Tiruchirappalli from 03.11.2016 to 05.11.2016.
54. Attended a one day national level workshop on "**Art of Writing & Publishing Effective Research Paper in Journals and Conferences**" organized by Kongu Engineering College, Perundurai, Erode on 13th August 2016.
55. Participated in the one day FDP on "**Soft Skills**", organized by IQAC of Nehru Memorial College on 27.12.2016
56. Participated in the International seminar on "**SMAC - DIGITAL TECHNOLOGY**" held at Marudhar Kesari Jain College for Women, Vaniyambadi on 03.09.2016
57. Attended a FDP on "**Revisiting Examination System in the current Scenario**", organized by IQAC of Nehru Memorial College, Puthanampatti on 19.03.2016.
58. Attended a seminar on "**Importance of Statistical Design and Experiments in Computational Research**", organized by School of Computer Science, Engineering and Applications, Bharathidasan University, Tiruchirappalli on 23.02.2016.

59. Attended a FDP on "**Sustenance/Enhancement of Quality in Higher Education**", organized by Nehru Memorial College, Puthanampatti, on 05.08.2015.
60. Participated in the "**Free Software Training to UG and PG Students through Distance Learning Program by Spoken Tutorial(ICT) based Software Training**" organized by Bharathidasan University in collaboration with IIT Bombay on 30.01.2015.
61. Attended a workshop on "**How to do research in Computer Science**", organized by Vidyaa Vikas College of Engineering and Technology, Tiruchengode on 13.12.2014.
62. Attended a FDP on "**Impact of Research on Teaching in Higher Education**", organized by Nehru Memorial College on 11.06.2014, under the aegis of UGC autonomous grant.
63. Attended a seminar on "**Research Issues in Big Data Analytics**", organized by Bharathidasan University Technological Park, sponsored by CSI, Trichy, on 27.03.2014.
64. Attended a two-day workshop on "**LATEX**", organized by ABEL Interdisciplinary Research Cell, Department of Mathematics, Nehru Memorial College, Puthanampatti, on 12.11.2013.
65. Participated in a workshop on "**e-Content Development**", organized by Nehru Memorial College, Puthanampatti on 23.10.2013 to 26.10.2013 and developed a SLO on "Basics of Pointers in C".
66. Participated in the three-day workshop on "**Google Apps**" organized by the department of Computer Science, Nehru Memorial College, Puthanampatti from 24.09.2013 to 26.09.2013.
67. Attended a workshop on "**Rapid Miner – A Data Mining Tool**", organized by School of Computing Science and Engineering, VIT University, Chennai on 05.10.2013.
68. Attended a seminar on "**Recent Trends in Data Mining**", organized by Vysya College, Salem on 07.02.2013 and 08.02.2013.
69. Attended a Faculty Development program on "**Examination Reforms**" organized by Internal Quality Assurance Cell of Nehru Memorial College (Autonomous) on 16.02.2013 under the aegis of UGC autonomous grant.
70. Attended a one day workshop on "**Bio Signals: Data Mining perspective**" on 10.04.2013 at BIT, Anna University regional centre, Tirchirappalli, organized by CSE.
71. Attended a Faculty Development Program on "**Examination Reforms**" organized by Internal Quality Assurance Cell of Nehru Memorial College (Autonomous) on 15.03.2012 under the aegis of UGC autonomous grant.
72. Participated in a state level seminar on "**Embedded Systems and its applications**" jointly organized by the Post Graduate and Research Department of Physics and Computer Science at Nehru Memorial College on 13.03.2012.

73. Attended an ISTE workshop on '**Writing Effective Conference Papers**' conducted by IIT Bombay from 18.02.2012 to 19.02.2012, at IRTT remote center.
74. Attended a Faculty Development Program on "**Higher Education**" organized by Internal Quality Assurance Cell of Nehru Memorial College (Autonomous) on 21.01.2012 under the aegis of UGC autonomous grant.
75. Attended a regional workshop on "**MATLAB and SPSS**" at St.Joseph's College, Trichy on 13.03.2009 and 14.03.2009.
76. Participated in a state level workshop on "**Mathematical Computations with MATLAB**" at Nehru Memorial College, Puthanampatti on 19.09.2008.
77. Participated in a three day workshop on "**Algorithms**" at National Institute of Technology on 08.08.2008 to 10.08.2008.
78. Participated in the three-day workshop on "**Linux System Administration using Fedora**" organized by the PG & Research Department of Computer Science, Nehru Memorial College, Puthanampatti from 06.11.2006 to 09.11.2006
79. 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.
80. Participated in the seminar on "**Perl Scripting**" organized by Nehru Memorial College, Puthanampatti from 08.12.2005 to 09.12.2005.
81. Attended a one week Faculty Training Programme on "**Visual programming using win32 API and MFC**" organized by Nehru Memorial College, Puthanampatti from 15.05.2005 to 21.05.2005.

Papers presented in National/International Conferences

1. Participated and presented a research paper entitled "**A Novel Hybrid Feature Selection Method using Bayes Theorem and Symmetric Uncertainty for Enhancing the performance of Naive Bayesian Classifier**" in the national conference on RTICCT'17, K.S.R College of Engineering, Tiruchengode on 22.04.2017.
2. Participated and presented a research paper entitled "**A Filter-based Feature Selection using Information Gain with Median Based Discretization for Naive Bayesian Classifier**" in the International Conference on Advanced Computing (ICAC), Jamal Mohamed College, Tiruchirappalli, 03.12.2015 and 04.12.2015.
3. Participated and Presented a research paper on "**Current Research Scenario in Weblog Mining: A Survey**", in the National conference on "Advances in Intelligent and Optimized Computing Paradigm sponsored by CSIR & ISTE at Vivekananda College of Engineering and Technology, Tiruchengode on 6th and 07.09.2013.

Papers published in National/International Journals

1. K. Mani, P. Kalpana, "A Filter-based Feature Selection using Information Gain with Median Based Discretization for Naive Bayesian Classifier", International Journal of Applied Engineering and Research, ISSN 0973-4562, Vol.10, No.82, 2015, pp.280-285 (Scopus Indexed).
2. K. Mani, P. Kalpana, "A Review on Filter Based Feature Selection", International Journal of Innovative Research in Computer and Communication Engineering, ISSN (Online) 2320-9801, ISSN (Print) 2320 9798, Vol.4, No.5, 2016, pp. 9146 – 9156 (Google Scholar Indexed).
3. K. Mani, P. Kalpana, "An Efficient Feature Selection based on Bayes Theorem, Self Information and Sequential Forward Selection", International Journal of Information Engineering and Electronic Business, Vol.8, No.6, pp.46-54, 2016. DOI: 10.5815/ijieeb.2016.06.06, MECS Publisher (UGC Approved Journal).
4. P. Kalpana, K. Mani, "A New Hybrid Framework for Filter Based Feature Selection using Information Gain and Symmetric Uncertainty", International Journal of Engineering (IJE) Transaction B: Applications, Vol.30, No.5, 2017, pp. 672-680 (Scopus & Emerging Sources Citation Index)
5. P. Kalpana, K. Mani, "An Exploratory Analysis between the Feature Selection Algorithms IG_{MBD} and IG_{ChiMerge}", International Journal of Information Technology and Computer Science, Vol.9, No.7, pp.61-68, 2017. DOI: 10.5815/ijitcs.2017.07.07, MECS publisher (UGC Approved Journal).
6. P. Kalpana, K. Mani, "RELIEF-NCM: A Feature Selection Method for Enhancing Naive Bayesian Classifier", International Journal of Research in Electronics and Computer Engineering (IJRECE) a Unit of I2OR, Vol. 5, Issue 4, October-December-2017, ISSN: 2393-9028 (PRINT), ISSN: 2348-2281 (ONLINE) (UGC Approved Journal).
7. P. Kalpana, K. Mani "A Robust Feature Selection based on Bayes Theorem, Self Information and Symmetric Uncertainty for Improving the Performance of Naive Bayesian Classifier", International Journal of Data Mining and Emerging Technologies, Vol. 7, No.2, Nov. 2017 (UGC Approved Journal).

Papers Handled in UG/PG/M.Phil Level

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|------------------------------|------------------------------------|
| 1. Programming in C/C++/JAVA | 13. Python Programming |
| 2. Operating Systems | 14. Research Lab (MATLAB and SPSS) |
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|---|--|
| 3. Data Structures and Algorithms | 15. Microprocessor and Microcontroller |
| 4. Data and Communication Networks | 16. Data Mining and Warehousing |
| 5. Data Base Management Systems | 17. Programming using R |
| 6. Compiler Design | 18. Research Methodology |
| 7. Software Engineering | 19. Big data Analytics |
| 8. Visual programming using win32 API and MFC | 20. NoSQL and Big data Query Languages |
| 9. Distributed Programming using J2EE | 21. Distributed programming using .NET |
| 10. Markup and Modeling Languages / WAP & XML | 22. XML and Web Services |
| 11. Web Technology | 23. Cloud Computing |
| 12. Linux System Administration | 24. Software Project Management |

Software Proficiency

C, C++, JAVA (Core, Advanced – JDBC, NETWORKING, SERVLET, RMI, JSP & EJB), Linux, VC++ (SDK & MFC), MS-Office, Oracle, WML, WMLScript, Web programming: HTML, PHP, VBScript, JavaScript, MySQL, Perl, Python, MATLAB, SPSS, WEKA tool & R.

Address for Communication

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Declaration

I hereby affirm that the above information is true to the best of my knowledge.

PLACE : Pethanaicken Palayam
DATE : 20.06.2021



Dr P.KALPANA