

**Name** : Dr. A. Muthusamy  
**Designation** : Head, Associate Professor  
**Department** : Computer Science with Cognitive Systems  
**Qualification** : M.C.A., Ph.D.  
**Experience** : Teaching: **10.3 Years**    Industry: **3 Years**    Research: **7 Years**  
**Area of Specialization(s)** : Web Mining, Data Mining  
**Email (Official ID)** : muthusamy@drngpasc.ac.in



#### Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Computer Science	Bharathiar University, Coimbatore	2017
M.C.A.	Computer Applications	K.S.R. College of Engineering , AnnaUniversity	2006
B.Sc.	Computer Science	Sri Kandhan College of Arts and Science, Periyar University	2003

#### Grants Received

Event Title	Agency	Amount	Date
Emerging Trends in Mathematics with Computer Applications (ETMCA-19)	TNSCST, Chennai	Rs. 20,000	12-Sep-19 to 13-Sep-19
National Workshop on Data Analytics and its Applications in Biotechnology	DBT – CTEP, New Delhi	Rs. 75,000	31-Oct-18

#### Member in BoS / DAC

- DAC member of Computational Studies, Sri Manakula Vinayagar School of Arts and Science, Puducherry
- BoS member of MCA, Vivekanandha College of Arts and Science for Women, Tiruchengode
- BoS member of School of Computing – PG (CS & IT), Sri Ramakrishna College of Arts and Science, Coimbatore
- BoS member of Computer Science with Data Analytics, K.S.Rangasamy College of Arts and Science, Tiruchengode

#### Ph.D. Guidance

No. of Students	Full-time	Part-time
03	01	02

***International***

- 1) Dr. A. Muthusamy, **Deploying Web Services in Cloud Architecture**, Vidyabharati International Interdisciplinary Research Journal - Special Issue on Engineering Technologies and Management, ISSN 2319-4979, 2021, PP: 2938-2943, (Indexed in Web of Science, UGC-CARE).
- 2) Dr. A. Muthusamy, S. Reshma, **A Review on Cryptography**, Journal of Computer, Internet and Network Security, ISSN 2457 – 0176 (Online), Volume 5, Issue 1 May 2020, PP: 24-32, (Indexed in Google Scholar).
- 3) Mr. R. Madhan Kumar, Dr. A. Muthusamy, **A Review on Face Recognition using Laplacian face**, International Research Journal of Engineering and Technology (IRJET), ISSN 2395 – 0056 (Online), Volume 4, Issue 3 March 2020, PP:3188-3192, (Indexed in Google Scholar).
- 4) Mr. P. Gokulakrishnan, Dr. A. Muthusamy, **A Review on Automatic Robot Vacuum Cleaner using IoT**, International Journal of Scientific Research in Engineering And Management (IJSREM), ISSN 2582 – 3930, Volume 4, Issue 3 March 2020, PP: 1- 6, (Indexed in UGC).
- 5) Dr. A. Muthusamy, **Processing the Textual Information Using Open Natural Language Processing**, IUP Journal of Computer Science, Volume 13, Issue 4 September 2019, PP: 7 – 24, (Indexed in Cabell's Directory, EBSCO and Proquest).
- 6) Dr. A. Muthusamy, **Issues and Challenges in Vehicular Ad Hoc Networks using Wireless Technology**, International Journal of Scientific Research in Computer Science Applications and Management Studies (IJRSCAMS), ISSN 2319 – 1953(Online), Volume 7, Issue 5 September 2018, (Indexed in UGC).
- 7) Dr. A. Muthusamy, **Finding the Co-occurrence of Text Entities from the Corpus**, International Journal of Recent Scientific Research (IJRSR), ISSN: 0976-3031(Online), Vol. 9, Issue, 1(D), PP: 23121-23131, January, 2018, (Indexed in UGC & Thomson Reuters).
- 8) Mr. A. Muthusamy, Dr. A. Subramani, **Automatic Discovery of Lexical Patterns using Pattern Extraction Algorithm to Identify Personal Name Aliases with Entities**, International Journal of Software Engineering and its Applications Vol. 9, No.12 (2015), PP: 165-176, (Indexed in Scopus).
- 9) Mr. A. Muthusamy, Dr. A. Subramani, **Lexical Pattern Extraction from Data Set Make Use of Personal Name Aliases**, International Journal of Advancements in Computing Technology (IJACT) Vol. 7, No. 3, May 2015, PP: 102-108, (Indexed in EBSCO, Google Scholar).
- 10) Mr. A. Muthusamy, Dr. A. Subramani, **Framework for pattern generation from discriminating datasets**, International Journal of Collaborative Intelligence Vol.1, No.2 (2015), PP: 115-123, (Indexed in Google Scholar, Asian Digital Library).
- 11) Mr. A. Muthusamy, Dr. A. Subramani, **A Survey of Automatic Extraction of Personal Name Alias from the Web**, International Journal of Signal Processing, Image Processing and Pattern Recognition Vol: 7, No: 6(2014), PP: 75-84, (Indexed in EI).

- 12) Mr. A. Muthusamy, Dr. A. Subramani, **Trust Enhanced Secure Mobile Ad-Hoc Network With Neighbor Collaboration Routing (SMNCR)**, i-manager's Journal on Software Engineering, Vol. 6 1 No. 1 1 July - September 2011, (Indexed in Google Scholar, EBSCO).

#### **National**

- 1) Dr. A. Muthusamy, Dr. A. Subramani, **Extracting Textual Information from Google Using Wrapper Class**, Advances in Networks, ISSN: 2326-9766 (Print); ISSN: 2326-9782 (Online), Vol. 5, No. 1, 2017, PP: 1-13, (Indexed in Google Scholar).

#### **Other Publications: International / National Journals**

- 1) Mr. A. Muthusamy, Dr. A. Subramani, **Graph Mining Algorithm to Evaluate Candidate Personal Name Aliases**, International Journal of Computer Applications, Vol. III Issue-1 Sep. 2012, PP: 46-48.
- 2) Mr. A. Muthusamy, Dr. A. Subramani, **Second or Higher Order Associations between a Name and Candidate Name Aliases**, Journal of Computer Applications (JCA) ISSN: 0974-1925, Volume V, Issue 3, 2012, PP:107-109.

#### **Book Publications**

- 1) Dr. A. Muthusamy, Dr. R. Rajeswari, **Significance of Data Analysis**, Recent Development in Computing, Electronics and Mechanical Sciences, Anvi Books and Publishers, Delhi, ISBN: 978-81-945125-XX, First Edition, May 2020, PP:27-39
- 2) **.NET Core for C Sharp Beginners**, Dr. A. Muthusamy, D. Maheshwari, D. Rajagopal, 1<sup>st</sup> Edition, Chess Educational Publishers, Chennai, 2019, ISBN:978-81-940395-4-9

#### **Patent Published**

Title	Field of Invention	Agency	Date of Publication
Drone Surveillance System – Drone Guards Filing No.: 202141026978	Computer Science	Office of the Controller General of Patents, Designs & Trade Marks, Dept. of Promotion of Industry & Internal Trade Ministry of Commerce & Industry, Govt. of India	02-July-21

#### **Consultancy**

Nature of Consultancy	Client	Amount	Status
Billing software	Suriyan Agency, Coimbatore.	Rs. 10,000	Completed
Admission in Single WindowSystem (SWS)	M.V. Muthiah Government Arts College for Women, Dindigul	-	Completed

### Presentations in Conference

- 1) **A Review on Industrial Internet Of Things (IIOT) For Detecting The Faults**, ICSSR sponsored Virtual International Conference Industry 4.0 – Leading Business Practices for Sustainable Milieu, Alagappa University, Karaikudi, 25 & 26-Aug-21
- 2) **Vehicular Ad-Hoc Networks on Wireless Technology**, National Conference on Recent Trends in Computing Technologies, Dept. of Computer Science, PSGR Krishnammal College for Women, Coimbatore, 10-Sep-18.
- 3) **Web Text Analytics using R – Statistical Computing**, International Conference on Next Generation Computing Technologies, Dept. of Computer Studies, Sankara College Science & Commerce, Coimbatore, 12-Oct-17.
- 4) **Measurement of Similarity: A Comparative Analysis of Naïve Bayes with Back Propagation Algorithm**, National Conference on Intelligent Computing, Dept. of Computer Science & Computer Applications, K. S. Rangasamy College of Arts & Science, Tiruchengode, 16 & 17-Sep-16.
- 5) **Recognition of Related Terms from WWW using Text Mining in R**, IEEE International Conference on Computing Technologies and Intelligent Data Engineering (ICCTIDE '16), Dept. of Computer Science & Engineering, National Engineering College, Kovilpatti, 07 to 09-Jan-16.
- 6) **Performance Evaluation of Text Classification on Person Name Dataset using Data Mining Tools**, Fourth National Conference on Intelligent Computing, Dept. of Computer Science & Computer Applications, K. S. Rangasamy College of Arts & Science, Tiruchengode, 3 & 4-Sep-15.
- 7) **Web based Referral System using Referral Tool**, National Conference on Recent Trends in Ubiquitous Computing & Communication Technology, Bannari Amman Institute of Technology, Sathyamangalam, 17-Sep-11.
- 8) **Graph Mining Algorithm to Evaluate Higher Order Association between Name and Candidate Aliases**, National Conference on Emerging Issues in Computer Applications EICA '11, K.S.R. College of Engineering, Tiruchengode, 10-Feb-11.

### Participation in Seminar

- 1) **Modelling the Neural Structure of Human Brain using Machine Learning**, K.S.Rangasamy College of Arts and Science, Tiruchengode, 17-Oct-16 to 18-Oct-16.
- 2) **Mathematical and Computational Bayesian Statistical Modeling in Decision Making**, Kongu Engineering College, Perundurai, 21-Oct-13 to 22-Oct-13
- 3) **Research in Computers Why? What? And How?** Bharathiar University, 11-Mar-13.

### Participation in Workshop

- 1) **Getting Published**, Webinar Series, Nature Research Academics, 07 to 09-Dec-20.
- 2) **Training of Teachers (ToT) for Student Induction Programme (SIP) (Deeksharambh – Phase II)**, UGC, Bharathiar University, Coimbatore, Tamil Nadu, 30 to 31-Oct-19.

- 3) **Training of Teachers (ToT) for Student Induction Programme (SIP)**, University Grants Commission, International Institute of Information Technology, Gachibowli Hyderabad, 16 to 18-May-19.
- 4) **Solving Research Problems**, Center for Research, Dr. N.G.P Arts and Science College, Coimbatore, 31-Jul-17.
- 5) **R Programming Language**, Dept. of Computer Applications, National Institute of Technology, Tiruchirappalli, 16-Dec-15 to 17-Dec-15.
- 6) **Hands-on Training on WEKA**, Kongu Engineering College, Perundurai, 31-Aug-13.
- 7) **Research and Best Practice in Cloud Security**, K.S.R. College of Engineering, Tiruchengode, 23 & 24-Jan-13.
- 8) **Research Methodology and Network Simulator-2 (NS-2)**, K.S.R. College of Engineering, Tiruchengode, 24-Sep-11 to 25-Sep-11.

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

- 1) **Research Methodology and Pedagogy for Tertiary Education**, Dr. N.G.P. Arts and Science College, Coimbatore, via online 15-June to 21-June 21.
- 2) **R Programming**, Center for Virtual Learning, Dr. N.G.P. Arts and Science College, Coimbatore, via online 4-May to 10-May 20.
- 3) **Season 3 of Sky campus - The Future is Here Now**, ICT academy via online 27-Apr-20.
- 4) **NAAC Revised Accreditation Framework and OBE Assessment Methodology**, Dr. N.G.P. Arts and Science College, Coimbatore, 27-May to 02-June-19.
- 5) **Quality Measures in Higher Education**, Dr. N.G.P. Arts and Science College, Coimbatore, 3-Dec-18 to 9-Dec-18.
- 6) **Introduction to Big Data Analytics**, ICT Academy of Tamil Nadu, 1-Feb-19 to 2-Feb-19.
- 7) **Current Trends in IT Research**, K.S.R. College of Arts and Science, Tiruchengode, 27-Nov-15.
- 8) **.NET Programming**, ICT Academy of Tamil Nadu, 1-Oct-12 to 5-Oct-12.

#### **Certificate Courses**

- 1) **R Programming**, Coursera, 4-May to 20-Oct-20.
- 2) **Digital Teaching Techniques**, ICT Academy, 3-Aug to 8-Aug-20.
- 3) **MCTS Microsoft .NET Framework 2.0 Application Development**, Microsoft, 2007-2008
- 4) **MCP - ASP.NET 2.0 Web Based Client Development**, Microsoft, 2007-2008

#### **Conference / Seminar / Workshop Organized**

- 1) Program Convener, National Workshop on Big Data Analytics in Clinical Research (BDACR-21) through online, Dr. N.G.P. Arts and Science College, Coimbatore, 18-Mar-21 & 19-Mar-21.
- 2) Program Convener, Functional Faculty Development Programme on Software Engineering Approach for Academic Research Development Life Cycle, Software Project Management Myth Vs Reality, Artificial Intelligence and Future of Humanity, Intrusion Detection System, Internet of Things,

Marching Towards the Future via webinar Dr. N.G.P. Arts and Science College, Coimbatore, 21-Apr-20, 23-Apr-20 & 25-Apr-20.

- 3) Convener, Shakuntala Devi Endowment Lecture on Artificial Intelligence and Data Science, Dr. N.G.P. Arts and Science College, Coimbatore, 29-Feb-20.
- 4) Treasurer, Second International Conference on Research Trends in Computing Technologies (ICRTCT-2020), Dr. N.G.P. Arts and Science College, Coimbatore, 28-Feb-20 to 29-Feb-20.
- 5) Convener, National Level Technical Symposium Techopedia 2020, Dr. N.G.P. Arts and Science College, Coimbatore, 13-Feb-2020.
- 6) Convener, TNSCST Sponsored National Conference on Emerging Trends in Mathematics with Computer Applications (ETMCA-19), Dr. N.G.P. Arts and Science College, Coimbatore, 12-Sep-19 to 13-Sep-19.
- 7) Convener, DBT Sponsored National Level Workshop on Data Analytics and its Applications in Biotechnology, Dr. N.G.P. Arts and Science College, Coimbatore, 14-Feb-19 to 15-Feb-19.
- 8) Organizing Secretary, Guest Lecture on Recent Trends on Internet of Things, Dr. N.G.P. Arts and Science College, Coimbatore, 30-Jan-19.
- 9) Organizing Secretary, Hands on Training, Android App Development, Dr. N.G.P. Arts and Science College, Coimbatore, 7-Sep-18.
- 10) Program Convener, International Conference on Research Trends in Computing Technologies (ICRTCT-18), Dr. N.G.P. Arts and Science College, Coimbatore, 9-Aug-18 to 10-Aug-18.
- 11) Organizing Committee Member, National Seminar on Ethical Hacking and Cyber Security, K.S.Rangasamy College of Arts and Science, 14-Feb-17.

#### **Invited Speaker / Chair / Session Chair - Conference / Seminar / Workshop**

- 1) Resource Person for Webinar on Career Opportunities in Digital Era, Dept. of Computer Science, Rathinam College of Arts and Science, Coimbatore, 25-Aug-2021
- 2) Resource Person for Webinar on Career Opportunities & Higher Studies for Future, Dept. of Computational Studies, School of Arts and Science, Sri Manakula Vinayagar Engineering College, Puducherry, 07-July-2021
- 3) Resource Person for Webinar on Career Opportunities & Higher Studies for Future, Dept. of Computer Science & Application & Institution's and Innovation Council, Vivekanandha College for Women, Tiruchengode, 11-June-2021
- 4) Resource Person for Webinar on Text Mining, Dept. of MCA, Gnanamani College of Technology, Namakkal, 02-June-2021
- 5) Resource Person for Webinar on Cloud Computing, Dept. of IT & CT, Vellalar College for Women (Autonomous), Erode, 07-Apr-2021
- 6) Resource Person for two day Webinar on Data Analytics using R, Dept. of Computer Science, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode, 27-Jan-2021 to 28-Jan-2021

- 7) Resource Person for FDP Webinar on R Programming, Dept. of Computer Science, K.S.Rangasamy College of Arts and Science (Autonomous), Tiruchengode, 13-Jan-2021
- 8) Resource Person, Webinar on Open Source Technology, Dept. of Computer Applications, Sri Vasavi College, Erode, 21-Dec-2020
- 9) Resource Person, Webinar on Open Source Technology, PG & Research Dept. of Computer Science, M.V. Muthiah Government Arts College for Women, Dindigul, 09-May-2020
- 10) Session Chair, Second International Conference on Research Trends in Computing Technologies (ICRTCT-2020), Dr. N.G.P. Arts and Science College, Coimbatore, 28-Feb-20 to 29-Feb-20
- 11) Resource Person, Seminar on E-Commerce and Digital Transactions, Dept. of Computer Applications, Kongu Arts and Science College, Erode, 06-Feb-20
- 12) Chair Person, DST-SERB Sponsored, National Seminar on Computing Platforms for Biological Big Data Analytics, Dept. of Information Technology, Dr. N.G.P. Arts and Science College, Coimbatore, 05-Feb-20
- 13) Chair Person, National Level Technical Symposium Techtrix 2020 for the event Hackathon, Dept. of Information Technology, Dr. N.G.P. Arts and Science College, Coimbatore, 03-Feb-20
- 14) Resource Person, Guest Lecture on Open Source Technology, Dept. of Computer Applications, Kongu Arts and Science College, Erode, 22-Jan-20
- 15) Resource Person, Guest Lecture on Data Structures, Dept. of Computer Science, K.S.Rangasamy College of Arts and Science, Tiruchengode, Namakkal District, 20-Jan-20
- 16) Resource Person, Guest Lecture on Open Source Technology, Dept. of Computer Science, K.S.Rangasamy College of Arts and Science, Tiruchengode, Namakkal District, 09-Jan-20
- 17) Session Chair, National Seminar on Applications of Deep Learning in Artificial Intelligence, Dept. of Information Technology, Dr. N.G.P. Arts and Science College, Coimbatore, 25-Sep-19
- 18) Resource Person, Guest Lecture on Data Structures, Dept. of Computer Science, K.S.Rangasamy College of Arts and Science, Tiruchengode, Namakkal District, 20-Sep-19
- 19) Resource Person, National Seminar on Recent Trends in Text Computing and Embedded Systems, Dept. of Computer Science, Vivekanandha College of Arts and Science for Women, Sankari, Salem, 11-Feb-19
- 20) Resource Person, State Level Seminar on Recent Trends in Advanced Computing and Techniques, Dept. of Computer Science, Sri PSG Arts and Science College for Women, Sangagiri, 22-Feb-18
- 21) Rapporteur, Second International Conference on Advances in Computer Science & Information Technology (IRCACSIT-18), Dept. of Computer Science, Applications Technology & System, KG College of Arts & Science, Coimbatore, 10-Feb-18
- 22) Resource Person, Guest Lecture on Recent Trends in IT Industry, Dept. of Computer Applications, PSGR Krishnammal College for Women, Coimbatore, 14-Sep-17
- 23) Resource Person for Workshop on .NET Programming, Dept. of MCA, Vivekanandha College of Arts and Science for Women, Tiruchengode, 4-Aug-17

### Editorial / Review Board Member

- 1) Review Board Member, International Journal For Academic Development In Social Science and Humanities (IJSSH), 2020
- 2) Review Board Member, Wiley India Pvt. Ltd, 2019
- 3) Editorial Board Member, Glacier Journal of Scientific Research (ISSN: 2349-8498), 2019
- 4) Review Board Member, International Journal of Computer Applications in Technology - Inderscience Publishers, 2018.
- 5) Review Board Member, International Journal of Computer Science Engineering and Information Technology Research, Transstellar Journal Publications and Research Consultancy Private Limited (TJPRC Pvt. Ltd.), 2016.
- 6) Review Board Member, Journal of Computer Science Engineering and Information Technology Research, Transstellar Journal Publications and Research Consultancy Private Limited (TJPRC Pvt. Ltd.), 2016.

### Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Computer Society of India	One Year	June 2020 – Till Date
Indian Society for Technical Education	Life-time	-
Microsoft	Life-time	-

### Awards /Honors

Awards / Honors	Agency / Institute	Year of Award
Student Webinar	Computer Society of India (CSI)	2020
Raman & Ramanujan	Rathinam College of Arts and Science, Coimbatore	2020
Best Teaching Faculty	Dr. N.G.P. College of Arts and Science	2020
NITAT	NIIT, Coimbatore	2020
Best Faculty	Dr. Kalam Educational Trust for Tribal, Chennai	2019
Awards / Fellowship	Dr. N.G.P. College of Arts and Science	2019
Best Faculty	Kaviarasar Kalai Tamil Sangam, Nammakal	2018
Research Award	Dr. N.G.P. College of Arts and Science	2018