



**Dr. K. MUTHURAMALINGAM**  
**Assistant Professor in Computer Science**

**Contact**

Address : Department of Computer Science  
Bharathidasan University  
Tiruchirappalli – 620024  
TamilNadu,INDIA

Employee Number :BDU1711014

Date of Birth :16-08-1971

ContactPhone(Office) :+914312331663

ContactPhone(Mobile) :+919994715955

Contacte-mail(s) :[muthuramalingam@bdu.ac.in](mailto:muthuramalingam@bdu.ac.in),[icemuthu@gmail.com](mailto:icemuthu@gmail.com)

**AcademicQualifications:M.Sc.,M.Phil.,M.Tech.,Ph.D**

**TeachingExperience:23 Years**

**AdditionalResponsibilities**

1. Department NIRF Coordinator for the year 2022 and 2023.
2. Sindhu Hostel Warden from 2021 May to till date
3. Acted as Event Coordinator for Naan Mudhalvan Scheme (Computer Science Department)
4. Active Member in Department NAAC 2<sup>nd</sup> Cycle Re-Accreditation workConsolidation.
5. Department NAAC Coordinator for 3<sup>rd</sup> Cycle Re-Accreditation workConsolidation.

6. Acted as External Additional Chief Superintendent for November 2017 Examinations at MIT College of Arts & Science for Women.
7. Special Invitee – Board of Studies – BCAP Programme, Centre for Differently Abled Person, Bharathidasan University, Trichy-23.
8. Served as Expert Member for Scrutinizing Applications for the post of Guest Lectures and conducting Interview for selecting candidates (Guest Lectures) on 10-08-2017 and 18-09-2017.
9. Organized Value Added Course entitled as “Data Science for All” for the students at School of Computer Science and Engineering, Bharathidasan University, Trichy-23.
10. Organized two days Orientation Programme for the newly joined Students (Batch 2018 – 19) at School of Computer Science and Engineering on 05-07- 2018 and 06-07-2018.
11. Organized Bridge Course for the newly joined Students (Batch 2018 – 19) at School of Computer Science and Engineering from 10-07-2018 and 13-07-2018.
12. Organized Bridge Course for the M.Phil Students (Batch 2018 – 19) at School of Computer Science and Engineering from 06-08-2018 and 10-08-2018.

### Areas of Research

1. Wireless Sensor Networks.
2. Internet of Things

### Research Supervision/ Guidance

Program of Study		Completed	Ongoing
Research	Ph.D.	00	02
	M.Phil.	17	00
Project	PG	77	14

### Publications

International	National	Others
---------------	----------	--------

Journals	Conferences	Journals	Conferences	BooksChapters
06	06	03	00	01

CumulativeImpactFactor (asperJCR): ---

<b>h-index</b>	<b>:</b>	<b>01</b>
<b>i10index</b>	<b>:</b>	<b>01</b>
<b>Total Citations</b>	<b>:</b>	<b>33</b>

### **EventsParticipated**

#### **NumberofSeminars/Conferences/WorkshopsAttended:16**

1. One-day National Seminar on “Big Data & Challenges” on 26th November 2022 at School of Computer Science and Engineering, Bharathidasan University, Trichy-23
2. UGC-Sponsored Two day Workshop for Academic Administrators on “Institutional Assessment and Accreditation” on 12<sup>th</sup>& 13<sup>th</sup>March 2018 at Bharathidasan University, Trichy-24
3. One day Seminar on “Cyber Security and Ethical Hacking (Sponsored by DST-PURSE)” on 1<sup>st</sup>March 2018 at School of Computer Science and Engineering, Bharathidasan University, Trichy-23
4. One day International Workshop on “World Class Curriculum Design for Computer Science” on 28th July 2018, jointly organized by Department of Computer Science & Engineering and Council for College and Curriculum Development, Bharathidasan University, Trichy-23
5. TwodaysInternationalConferenceonOperatingSystemSecurity(ICOSS’17), School of Computing, SASTRA University on March 17<sup>th</sup>& 18<sup>th</sup>
6. Three daysInternational Workshop on “Data Science Open Source Languages (DSOSL 2017)” on 4th -6th January 2017 at School of Computer Science,Engineering and Applications, Bharathidasan University, Trichy-23
7. One Week National LevelWorkshop on “Research in Computer Science” organized by School of Computer Science, Engineering and Applications, Bharathidasan University, Trichy, from April 25th to 29th, 2016
8. One day “World Class Curriculum in Computer Science - Consultative Workshop” Organized by Department of Computer Science and Engineering and CCCD, Bharathidasan University, Trichy, on 16th February 2016
9. One day National Seminar on “Recent Trends in Computer Science” Organized by School of Computer Science, Engineering and Applications, Bharathidasan University, Trichy-23 held on 03rd February 2016

10. One day National Seminar on "Cloud Computing and Services (CLOSER 2016)" on 31st August 2016 held at School of Computer Science, Engineering and Applications, Bharathidasan University, Trichy-23
11. One day Seminar on "Importance of Statistical Design and Experiments in Computational Research" (Under UGC -XII Plan) by School of Computer Science, Engineering and Applications, Bharathidasan University, Trichy-23 on 23rd February 2016
12. One day National Seminar on "Recent Trends in Computer Science (DST Purse)" Organized by School of Computer Science, Engineering and Applications, Bharathidasan University, Trichy-23 held on 03rd February 2016
13. One day National Seminar on "Big Data Analytics" on 25th February 2015 held at School of Computer Science, Engineering and Applications, Bharathidasan University, Trichy-23
14. DST-Purse Sponsored one day Workshop on "Advanced Research Concepts in Computer Science Using – MATLAB" by School of Computer Science, Engineering and Applications, Bharathidasan University, Trichy-23 held on 18th December 2013
15. One-day National Seminar on "Cloud Computing" Organized by BUTP in association with Shrimati Indira Gandhi College and CSI, Trichy Chapter, Bharathidasan University, Trichy-23 held on 26th September 2012.
16. One-day Work Shop on "CYBER SPACE SECURITY", held on 23<sup>rd</sup> March, 2011 Bharathidasan University Technology Park, Trichy - 23.

### **Other Training Programs**

1. Refresher Course in Computer Science and Applications held at UGC-HRDC, Bharathidasan University University, from 22.09.21 to 05.10.21.
2. FDP on "MANAGING ONLINE CLASSES and CO-CREATING MOOCS" organized by Teaching Learning Centre, Ramajayam College, University of Delhi, funded by Govt. of India, MHRD from 20.04.2020 to 06.05.2020.
3. FDP on "DATA SCIENCE CONCEPTS-THEORETICAL AND PRACTICAL APPROACH" organized by Department of Computer Science and Engineering, Dayananda Sagar University, Bengaluru from 15.09.2020 to 19.09.2020.
4. FDP on "Python" organized by Department of Electronics and Communication Engineering, JSS Academy of Technical Education, NOIDA and Spoken Tutorial

Project, IIT Bombay funded by Govt. of India, MHRD. 22.06.2020 to 04.07.2020.

5. Refresher Course in Computer Applications held at UGC-HRDC, Calicut University, from 14.11.18 to 04.12.18.

6. Attended UGC Sponsored **Refresher Course** in Computer Applications (Computer Science, Mathematics, Statistics) from 14.11.2018 to 04.12.2018 at UGC-Human Resource Development Centre, University of Calicut, Thenhipalam, Calicut, Kerala - 673635

7. One Day **FDP** on “Security Coding Best Practices for Safety, Security and Mission Critical Systems” organized by the Department of Computer Applications

supported by LDRA Academic Alliance Program( LAAP) on 24<sup>th</sup> February 2017.

8. Attended UGC Sponsored **Refresher Course** in Computer Science from 29.06.2013 to 19.07.2013 at UGC-Academic Staff College, Bharathidasan University, Tiruchirappalli -620 023.

9. Attended UGC Sponsored **Orientation Programme** from 01.02.2012 to 28.02.2012 at UGC-Academic Staff College, Bharathidasan University, Tiruchirappalli – 620 023

### **Editorial Board**

1. Infinitude: Frontiers of Research in Mathematics and Computer Science  
[UGC-HRDC, University of Calicut]

### **Academic Bodies (such as Board of Studies etc.,)**

1. Internal Member to the Board of Studies of the School of Computer Science and Engineering, Bharathidasan University, Tiruchirappalli - 620 023.

### **Others**

1. Cleared SLET for lectureship (Computer Science)
2. Passed Microsoft Certified Professional (MCP)  
(Certificate Examination in Windows XP, Code 070-270)

### **Resource persons in various capacities**

### **Number of Invited/Special Lectures delivered: 18**

1. Acted as Resource Person and delivered Lecture on “**Fiber Optics Communication**” at Rabiammal Ahamed Mideen College for Women, Tiruvarur.

2. Acted as Resource Person in **“Training Programme for Judicial Officers”**, Organized by Tamil Nadu Judicial Academy in association with the Bharathidasan University and Jamal Mohamed College from 22-05-2006 to 26- 05-2006 at Jamal Mohamed College.
3. Acted as Resource Person and delivered Lecture on **“Human Based Computation”** on 03-10-12 at Srimathi Indra Gandhi College, Trichy
4. Acted as Resource Person and delivered Lecture on **“Human Computer Interaction”** on 19-02-13 at Periyar E.V.R. Govt Arts College, Trichy.
5. Acted as Resource Person and delivered Lecture on **“Computer Mediated reality”** on 09-03-13 at Jamal Mohamed College, Trichy
6. Acted as Resource Person and delivered Lecture on **“Computer Basics”** on 23- 09- 13 at IECD, Bharathidasan University, Trichy
7. Acted as Resource Person and delivered Lecture on **“e-Governance”** on 09-10- 13 at IECD, Bharathidasan University, Trichy
8. Acted as Resource Person and delivered Lecture on **“Wireless Sensor Networks”** on 12-03-2014 at Jamal Mohamed College, Trichy.
9. Acted as Resource Person and delivered Lecture on **“Special Issues and Research Challenges in Wireless Sensor Networks”** on 28-08-2014 at Seethalakshmi Ramaswami College, Trichy.
10. Acted as Resource Person and delivered Lecture on **“Internet of Things”** on **12<sup>th</sup> Feb 2015** at Jamal Mohamed College, Trichy
11. Acted as Resource Person and delivered Lecture on **“Evolution of Wireless Sensor Networks”** at Marudupandiyar College, Thanjavur
12. Acted as Resource Person and delivered Lecture on **“Internet of Things”** on **12<sup>th</sup> Feb 2015** at Jamal Mohamed College, Trichy.
13. Acted as Resource Person and delivered Lecture on **“ Wireless Sensor network & its Applications”** on **11-02-2016** at Periyar E.V.R. Govt Arts College, Trichy.
14. Acted as Resource Person and delivered Lecture on **“Evolution of IoT”** on 18-02- 16 at J J College of Arts and Science, Pudukottai
15. Acted as Resource Person and delivered Lecture on **“Cognitive Radio Technologies”** on 24-02-16 at JMC Trichy.
16. Acted as Resource Person and delivered Lecture on **“Wireless Sensor Networks”** on 12-08-16 at AVVM Sri Puspham College, Poondi, Thanjavur.
17. Acted as Resource Person for State Level Seminar on Evolutionary Trends in IT, Organized by Department of Computer Applications & Information Technology

on 09-09-2016 at Sri Bharathi Arts & Science College for Women, Kaikkurichi, Pudukkottai – 622 303.

18. Acted as Resource Person and delivered Lecture on **“Thinking Machine and the Philosophy of Computer Science”** on 11-03-17 at JMC, Trichy.

### Recent Publications

1. M.Durairaj and K.Muthuramalingam, “User Authentication and Key Agreement Scheme for Internet of Thing – A Study, International Journal of Computer Aided Engineering and Technology, 2018 Vol.10, No.5 (ISSN online: 1757-2665 ISSN print: 1757-2657, Inderscience Publishers.
2. M.Durairaj and K.Muthuramalingam, “Dynamic Shifting Genetic Non-Adjacent Form Elliptic Curve Diffie-Hellman Key Exchange Procedure for IoT Heterogeneous Network, Recent Developments in Machine Learning and Data Analytics Springer Series, pp.489-509. Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 740)
3. M.Durairaj and K.Muthuramalingam, “A New Authentication Scheme with Elliptical Curve Cryptography for Internet of Things Environment, International Journal of Engineering & Technology, 7 (2.26) (2018) 119-124 [Scopus]
4. M.Durairaj and K.Muthuramalingam, “Proposing a Lightweight Multilevel Encryption with Key Segmentation Approach for Internet of Things Environment, Advanced Sciences and Technologies for Security Applications. Springer Series [Scopus]
5. K. Muthuramalingam, **“Optimal Route Path Selection In Multipath Manet (ORPM)”**, Webology (ISSN: 1735-188X) Volume 18, Number 1, 2021
6. K. Muthuramalingam, **“Enhanced Feature Selection Method For The Detection Of Lung Cancer Using Machine Learning”**, International Journal of Electrical Engineering and Technology (IJEET) Volume 11, Issue 10, December 2020, pp. 431-439, Article ID: IJEET\_11\_10\_054

Thanks