

**Dr. J. Hirudhaya Mary Asha**  
**Mobile:7502364030**  
**MailId:hirudhaya\_ashaa20@yahoo.co.in**  
**linkedin:asha-john-135b99212**  
**ORCID:0000-0002-7706-8420**  
[Scopus Author ID: 57215862250](#)  
WoS ResearcherID: ABK-0447-2022



## Objective

Looking forward to challenging & growth oriented career opportunity and thereby utilize my skills to the fullest towards the financial health and strategy.

## Educational Qualification

DEGREE	INSTITUTION	YEAR OF STUDY	CLASS	% of Marks Obtained
S.S.L.C	St.Anne's Girls Hr.Sec.School,Trichy	1998-99	First	82.2
Higher Secondary	St.Anne's Girls Hr.Sec.School,Trichy	2000-01	First	71.2
B.SC(C.S)	Shrimathi Indira Gandhi College	2001-04	First	74.5
M.Sc(C.S)	Shrimathi Indira Gandhi College	2004-06	First	72
M.Phil(C.S)	Bharathidasan University	2006-07	Distinction	78
M.C.A	Periyar University	2009-2010	First	76
M.Tech(I.T)	Bharathidasan University	2011-2013	Distinction	80
Ph.D (Computer science)	Bharathidasan University	2018-2022	COMMENDED	

**Certified as an Optometrician from Bharat Sevak Samaj**

**Certified as Data Scientist From CloudKampus**

## Teaching Experiences

- Working as an Assistant Professor in Computer Science, St. Joseph's College (Autonomous), Tiruchirappalli, Since June 2013 to till date.
- Worked as a Guest Faculty, in Department of Computer Science and Engineering, Bharathidasan University, Tiruchirappalli, From August 2022 to May 2023
- Worked as a Lecturer, in Department of Information Technology, G.T.N. College of Arts and Science, Dindigul, From June 2008 to May 2013
- Worked as a Lecturer, in Department of Computer Science, Pavendar Bharathidasan College

## Research Experiences

### 1. Research Papers

Papers Published – 6

#### Published:

WoS - 1

Scopus –5

### 2. Area of Specialization:

- Cloud Computing
- Theory of Computation
- Machine Learning

### 3. Hands On Experience

#### in Tools

- SQLite - SQL Programming
- Talend- ETL tool
- Python and Machine Learning
- MySql

## Papers published:

1. Durairaj, M. and **Hirudhaya Mary Asha J.** (April 2021) “Fuzzy Probability Based Person Recognition in Smart Environments”, Journal of Intelligent & Fuzzy Systems, vol. 40(5), pp. 9437-9452, 2021, 1 Jan. 2021, DOI: 10.3233/JIFS-201913. ISSN: 1064-1246. [**SCI indexed, SCOPUS Indexed, UGC List No. 30259, JCR-Thomson Reuter JIF:1.426, SJR IF: 0.357**]
2. Durairaj M., **Hirudhaya Mary Asha J.** (Mar 2020) Interoperability in Smart Living Network—A Survey. In: Bindhu V., Chen J., Tavares J. (eds) International Conference on Communication, Computing and Electronics Systems. Lecture Notes in Electrical Engineering, vol 637. Springer, Singapore. [https://doi.org/10.1007/978-981-15-2612-1\\_7](https://doi.org/10.1007/978-981-15-2612-1_7). E-ISSN: 1876-1119, ISSN: 1876- 1100. [**SCOPUS Indexed, UGC List No. JCR-Thomson Reuter JIF:1.426, SJR IF: 0.138**]
3. Durairaj M., **Hirudhaya Mary Asha J.** (Mar 2020) The Internet of Things (IoT) Routing Security—A Study. In: Bindhu V., Chen J., Tavares J. (eds) International Conference on Communication, Computing and Electronics Systems. Lecture Notes in Electrical Engineering, vol 637. Springer, Singapore. [https://doi.org/10.1007/978-981-15-2612-1\\_58](https://doi.org/10.1007/978-981-15-2612-1_58). E-ISSN: 1876- 1119, ISSN: 1876-1100. [**SCOPUS Indexed, UGC List No. JCR-Thomson Reuter JIF:1.426, SJR IF: 0.138**]
4. Durairaj M., **Hirudhaya Mary Asha J.** (Jul 2021) The Appraised Structure for Improving Quality in the Compressed Image Using EQI-AC Algorithm. In: Chen JZ., Tavares J., Shakya S., Iliyasu A. (eds) Image Processing and Capsule Networks. ICIPCN 2020.

Advances in Intelligent Systems and Computing, vol 1200, pp. 201-217, 2021. Springer, Cham. [https://doi.org/10.1007/978-3-030-51859-2\\_19](https://doi.org/10.1007/978-3-030-51859-2_19). ISBN: 978-3-030-51858-5. ISSN: 2194-5357. [SCOPUS Indexed, SJR IF:0.184]

5. Durairaj M., **Hirudhaya Mary Asha J.** (2021) ExclusiveOR-Discrete Cosine Transform- A Chaotic Algorithm for Image Encryption and Decryption. In: Chen JZ., Tavares J., Shakya S., Iliyasu A. (eds) Image Processing and Capsule Networks. ICIPCN 2020. Advances in Intelligent Systems and Computing, vol 1200. Springer, Cham. [https://doi.org/10.1007/978-3-030-51859-2\\_20](https://doi.org/10.1007/978-3-030-51859-2_20). ISBN: 978-3-030-51858-5. ISSN: 2194-5357. [SCOPUS Indexed, SJR IF:0.184]

6. **J. Hirudhaya Mary Asha** (2018); Hiding Methods for Preventing Jamming Attacks on Wireless Networks; Int J Sci Res Publ 4(7) (ISSN: 2250-3153). <http://www.ijsrp.org/research-paper-0714.php?rp=P312898>,

#### Recognition:

- Award received for 100% Result Produced in University theory Examinations in 2006
- Award received for 100% Result Produced in University theory Examinations in 2007

#### Responsibilities held in College

##### Pavendar Bharathidasan College

- Assisted the fine arts Coordinator in 2006 & 2007
- Guided the Computer Science department team to victory in the Inter-department Culturals in 2006.

##### GTN Arts College

- Participated in the Madurai Kamaraj University Central Evaluation as a Chief Examiner from 2009-2012

#### Programs Participated and Presented

S.NO	NAME OF THE CONFERENCE	PRESENTED/PARTICIPATED	NATIONAL/INTERNATIONAL LEVEL
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1	International seminar on “Big data Analytics and Internet of things	Participated	International
2	International conference on Current Research in Engineering Science and Technology	Participated	International
3	National conference on advanced computing	Participated on 12 <sup>th</sup> march 2019	National
4	International Conference on Recent Explorations in Science, Engineering and Technology	Presented Paper named “ The Internet of Things Routing Security-A Survey” on 14/03/2019	International
5	International Conference on Recent Explorations in Science, Engineering and Technology	Presented on 14/03/2019	International
6	International conference on Newer Engineering concepts and technology-2k19	Presented Paper named “ Smart Door for Remote Sensing” on 15 <sup>th</sup> march 2019	International
7	Webinar on Artificial Intelligence by Nehru Institute of Engineering and Technology, Coimbatore	Webinar on Artificial Intelligence on 20/05/2021	National
8	Faculty Development Program titled Applied Data Science Tools and Techniques	Participated from 29/05/2021 to 02.06.2021	-----
9	Workshop attended titled Beyond the Cloud-Edge computing	Participated from 18/06/2021 to 20/06/2021	National
10	Faculty Development Program titled Artificial Intelligence and Neural Network	Participated from 23/06/2021 to 28/06/2021	-----
11	Seminar on Big Data Challenges	Participated on 26/11/2022	International

12	Workshop on Internet of Things	11/01/2023	-----
13	Seminar on ICT Trends and Opportunities for Non-Engineering Graduates and Role of Professional Societies in Career Progression	Participated on 07/02/2023	International
14	International Seminar on Advanced Computing	Participated on 02/03/2023	International
15	Faculty Development Program titled Innovative Techniques in Artificial Intelligence and Deep Learning	Participated on 07/08/2023	International
16	Faculty Development Programme titled Hi-Impact	Participated from 05.05.2024 to 24.05.2024	

## Reference List

### 1. Dr. M. Durairaj Ph.D.

Assistant Professor, School of Computer Science, Engineering and Applications, Khajamalai Campus, Bharathidasan University

Tiruchirappalli – 620 023

Tamil Nadu, INDIA

Contact Phone (Office) : +91 4312331663

Contact Phone (Mobile) : +91 9487542202, +91 9080387880

Contact e-mail(s) : durairaj.bdu@gmail.com, durairaj.m@bdu.ac.in

### 2. Dr. E.George Dharma Prakash Raj

Associate Professor, School of Computer Science, Engineering and Applications, Khajamalai Campus Bharathidasan University

Tiruchirappalli – 620 023

Tamil Nadu, INDIA

Contact Phone (Office) : +91 431 2331663

Contact Phone (Mobile) : +91 9443191790

Contact e-mail(s) : georgeprakashraj@bdu.ac.in

## Subject Interest

- Data Science
- Natural Language Processing

- DBMS
- Software Engineering

## **Personal Profile**

**Name** : J.HIRUDHAYA MARY ASHA  
**D.O.B** : 20<sup>th</sup> July 1984  
**Gender** : Female  
**Language known** : English &  
**TamilNationality** : Indian  
**Religion** : Christian  
**Marital status** : Married  
**Address** : Surya Opticals,  
Surya Opticals Building,  
91, Trichy Road,  
Manapparai - 621 306.

## **Declaration**

I here by declare that all the above-furnished details are true to the best of my knowledge and belief.

**Place:**

**Signature**

**Date:**

**(J.Hirudhaya Mary Asha)**

