

Dr.B.INDRANI

Assistant Professor and Head i/c

Department of Computer Science...
Directorate of Distance Education



Mobile No: 9865199366

Email: mkuddecs@gmail.com

p

Educational Qualifications : M.Sc., M.Phil.,M.Tech.,Ph.D

Professional Experience : 10 Years

TEACHING SUBJECT SPECIALIZATION/COURSE HANDLING

- Computer Networks
- System Analysis and Design
- Relational Database Management System

RESEARCH SPECIALIZATION

- Networking
- Cryptography
- Semantic web

Research Supervision:

Program	Ongoing	Completed
Ph.D	4	1
M.Phil	3	15

PROFESSIONAL EXPERIENCE

No	Institution	Position	From (date)	To (date)	Duration
1.	Department of Computer Sciecne, DDE, Madurai Kamaraj University, Madurai-625021. India	Assistant Professor	03.12.2013	till date	7 Years
2.	Department of Computer Sciecne, Madurai Kamaraj University, Madurai-625021. India	Guest Lecturer	01.07.2010	20.11.2013	2 Years , 11 Months
3.	Department of Computer Sciecne and Engineering, Alagappa University, Karaikudi-630 003. India	Research Assistant	15.11.2007	30.06.2010	3 Years , 5 Months
4.	Department of Computer Sciecne, Madurai Kamaraj University College, Madurai-625002. India	Guest Lecturer	01.08-2006	30-10-2007	1 Year

RESEARCH COLLABORATION (BOTH NATIONAL & INTERNATIONAL)

Name of the Collaborator	Institute	Collaboration Details	Collaboration Output (Papers/Patents/Research/Online)

COMPLETED RESEARCH PROJECT

No	Title of the Project	Funding Agency	Total Grant	Year

ON-GOING RESEARCH PROJECT

No	Title of the Project	Funding Agency	Total Grant	Year

HONORS/AWARDS/RECOGNITIONS

- Received **“Best Women Assistant Professor Awards”** from **PEARL Foundation** Educational Excellence Awards to Higher Education in India 2017.
- Deputy Director for Admission EDP and Exam EDP, DDE, MKU, Madurai.
- Chief Guest of the 6th Graduation day and Annual day Celebration held at PSY College o Education, Sivagangai on 05-05-2017.
- Member for inspection committee to inspect MKU –DDE Academic Centres, Tamil Nadu – 29-08-2017.
- Member for the special security Regulation Committee to enhance the Security o Madurai Kamaraj Univerty - OCT- 2017.
- Flying Squad Member for Non Semester Examinations, DDE, Madurai Kamara University, madurai
- University Nominee in the Awards Committee in V.V. Vanniapermal College for Women.

PUBLICATIONS

1. **Indrani Balasundaram**, Dr.E.Ramaraj, "An Efficient Authenticated Query Encryption Scheme for Preventing SQL Injection Attack (AQE-PSQLIA)", International Journal of Computer Science, Systems Engineering and Information Technology, ISSN: 0974-5807, Vol.4 No.1, pp. 87-91, June 2011.
2. **Indrani Balasundaram.**, Dr.E.Ramaraj, "An Authentication scheme for preventing SQL Injection Attack using Hybrid encryption", International Journal of European Journal of Scientific Research, Vol. 53 No. 3, May 2011, pp.359-368.
3. **Indrani Balasundaram.**, Dr.E.Ramaraj, "An authenticated mechanism to prevent SQL injection Attacks", International Journal of Computer Applications (0975 – 8887), Vol. 19, No.1, , pp.30-33, April 2011.
4. **Indrani Balasundaram.**, Dr.E.Ramaraj, "An approach to detect and prevent SQL Injection Attacks in Database using Web service", International Journal of Computer Science and Network Security, Vol.11 No.1, pp. 197-205 January 2011.
5. **Indrani Balasundaram.**, Dr.E.Ramaraj, "X- Log Authentication Technique to prevent SQL Injection Attacks", International Journal of Information Technology and Knowledge Management, Vol.4, No. 1, pp. 323-328, January-June 2011.
6. Dr.P.Kumar., **Indrani Balasundaram.**, Dr.M.Amuthaprabakar, "An Efficient Password Based Authentication Scheme using Time Hash Function and Smart Card , International Journal of Emerging Technology and Advanced Engineering , Vol. 4 , issue 6, ISSN 2250 – 2459, June 2014.
7. **Indrani Balasundaram.**, Dr.M.Amuthaprabakar, " An Efficient Password Based Authentication Scheme using Dynamic Identity and Smart card", International Journal of Applied Engineering Research, Vol. 10, pp. 24452 – 24462 No. 9(2015).
8. **Dr.B.Indrani and M. Karthigaiveni**, "A Flexible and Efficient Algorithm for Generating Prime Numbers using Biometric Identity (Bio-PNGA)", International Journal of Computer Applications Vol. 155(14):16-23, December 2016.
9. **Dr.B.Indrani, M. Karthigaiveni and Dr. M.Amuthaprabakar** "Proveably secure two factor authentication scheme for Ehealth using smart card" cryptology ePrint Archive: Report 2017/512.
10. **Mr. M. Sathish Kumar#1 and Dr. B.Indrani*2** "A Study on Web Hijacking Techniques and Browser Attacks" International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number 5 (2018) pp. 2614-2618 © Research India Publications. <http://www.ripublication.com>
11. **Dr.B.Indrani , M. Karthigaiveni** "An efficient two-factor authentication scheme with key agreement for IoT based E-health care application using smart card ", Journal of Ambient Intelligence and Humanized Computing <https://doi.org/10.1007/s12652-019-01513-w> Springer-Verlag GmbH Germany, Springer Nature 2019.

PAPER PRESENTED IN CONFERENCE/SEMINAR/WORKSHOP

Name of the Conference	Date	Place	Title	Author(s)
International Conference on Communication Technology and System Design,		Coimbatore	An Efficient Technique for Detection and Prevention of SQL Injection Attacks using ASCII Based String Matching	B.Indrani
3 rd International Conference on Computer Modeling and Simulation		Mumbai	Prevention of SQL Injection Attacks by using Service Oriented Authentication Technique	B.Indrani
3 rd International Conference on ICCCS 2011		India	Password based remote authentication scheme using ECC for smart card	B.Indrani
International Conference CNSA 2010			A New Remote Mutual Authentication Scheme for Wi-Fi Enabled Hand-Hold Devices	B.Indrani
IEEE International Conference on Inventive Systems and Control (ICISC 2017)		Coimbatore	An Efficient Algorithm for Key generation in advance encryption standard using sudoku solving method	B.Indrani
Proceedings of the <i>National Conference on Information and Network Management</i>		Thiruchencode	An innovative static method to detect SQL Injection Attacks	B.Indrani

National Conference on Advanced Computing and Network Technology NCACWT'11		Madurai	A new approach to prevent SQL Injection Attack using hashing Technique	B.Indrani
Identifying SQL Injection Attacks to Prevent Database		Chennai	Thamilaga Ariviyal Peravai 10 th Conference	B.Indrani
National Workshop on "Smart and Secure Environment		Karaikudi	SQL Injection Attacks on Database	B.Indrani

CONFERENCE/WORKSHOP/SEMINAR/TRAINING ORGANIZED

Type	Name	Date(s)	Place	Role Played	Funding Agency
National Seminar	Cyber Crimes and Security Issues in Digital World	26-02-2018	Madurai Kamaraj University	Organizing Secretary	DST-PURSE

BOOK PUBLISHED

Title of the Book / Chapter	Author	Publisher	Year	ISBN Number
Road Map on Password Based Authentication Schemes Using Smartcard",	M.Amutha Prabakar and B.Indrani	Lambert Academic Publisher	2012	3846557552, 9783846557556

MEMBERSHIP IN ACADEMIC BODIES

- Member in “The Indian Science Congress Association” , Membership No: L35013, Kolkatta.
- IAENG International Association of Engineers Member- Member ship No. 232482
- FATER ACADEMY OF INDIA Member
FAI/LM/TN-C/22/2016
- SKRGC Publication Member
 - Number: 2016SKRGC1035
- Seventh Sense Research Group Member
 - SSRG-IJCTT-1326

MEMBERSHIP IN PROFESSIONAL BODIES

-
-
-

INTELLECTUAL PROPERTY RIGHTS (Patents)

-
-
-

ADMINISTRATIVE EXPERIENCE

Role Played	Responsibilities	Period (Month & Year)
Warden	Womens Hostel, Madurai Kamaraj University, Madurai	2014 to 2020
Head i/c, Department of Computer Science -DDE	Lesson writing, Seminar classes, Paper evaluation and addressing students	January 2014 to till date
Nodel Officer for UG and PG Computer Science	Exam Valuation Examination evaluation board chairman	April 2014 to April 2018.
Member of M.Phil. Dissertation	evaluation board M.Phil. Dissertation evaluation	May2014 to May 2018
Board of Studies	Board of studies member for colleges: Fathima college, SVN College, Yadava College	May2014 to May 2018

Number of Invited / Special Lectures delivered:

1. Special Lecture on "BIG DATA ANALYTICS", Dept. of Computer Science (S.F.) S. Vellaichamy Nadar College, Madurai.06-09 - 2017.
2. Special Lecture on "CYBER TERRORISM ", Dept. of Informtion Technology, S. Vellaichamy Nadar College, Madurai.29 -08 - 2017.
3. Resorce Person " International Conference on Computing and Networks (ICAN 2017)" and delivered lecture on DATABASE SECURITY , Sowrastra College, Madurai.30 -08 - 2017.
4. Special Lecture on "INTERNET OF THINGS AND CYBER SECURITY ", Dept. of Computer Science , Sourashtra College, Madurai on 14 -10 - 2017.
5. Acted as the resource person in the one day national seminar on innovation in computer science and technology (ICST-2019) under UGC Atonomy grant organized by the department of computer science, Sourashtra College , Madurai on 22-02-2019.

6. Acted as the Resource Person in the Association innagural function organized by the department of Computer Science, SVN College, Madurai on “Emerging trends on security on its challenges to society on 11-03-2019.
7. Chief guest in TECH 2X – 2K19 organized by department of Computer science and computer applications (SF) organized by saraswathi narayanan college on 23-02-2019

CONTACT

Name	:Dr. B.Indrani
Department	: Computer Science
School	: Directorate of Distance Education
Mobile No	: 9865199366
E-Mail Id	: mkuddecs@gmail.com
Ext	: 510