



Name: Archana M

D O B: 17-05-1991

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PROFESSIONAL OBJECTIVE

To provide high quality, relevant learning opportunities to students, which would enable them to maximize their educational and personal development. Emphasis on hard work and thus making a significant contribution to the Institution.

ACADEMIC SUMMARY

Course of Study	Board	School / University	Year of Passing	Percentage
M.E- CSE	University	Avinashilingam University	2015	90%
B.E – CSE	University	Avinashilingam University	2013	86.5%
12th Standard	State Board	Avila Convent M.H.S.S	2009	83.83%
10th Standard	Matriculation	Avila Convent M.H.S.S	2007	84.9%

TEACHING EXPERIENCE

- Was working as Assistant Professor in the Department of Computer Science and Engineering at **Bannari Amman Institute of Technology**, Sathyamangalam from 15-05-2015 to 23-04-2018 (2 years 11 months).

DISTANCE EDUCATION

Course of Study	University	Year of Passing	Percentage
Post Graduate Diploma in Educational Administration (PGDEA)	Symbiosis Center for Distance Learning (SCDL), Pune.	2015	72%

DOCTORAL RESEARCH

- ☐ Currently pursuing Ph D in the area “**Deep Learning enabled Intelligent Prosthetics**”, under the supervision of Dr C Palanisamy, Principal, Bannari amman Institute of Technology.

AREA OF INTEREST

- ☐ Operating systems
- ☐ Object Oriented Concepts
- ☐ RDBMS
- ☐ Machine Learning

PROJECTS

M.E MAJOR PROJECT

Topic: “**Device free Passive Localization (DfPL) for Energy conservation**”

Description: This project extends the functionality of Device free Passive Localization, which is to detect people’s presence in an indoor environment, and to use this data for automatically switching on and off of lights and fan. Thus it aims in conserving energy.

M.E MINI PROJECT

Topic: “**Computer based examination system (Real time)**”

Description: A real time Computer based examination system was developed to be deployed in our department. It was successfully implemented and was experimented to accommodate up to 30 students in a single batch.

B.E MAJOR PROJECT

Topic: “**An Intrusion detection system with Feature Vitality Based Reduction Method (FVBRM) and Support Vector Machine (SVM) classification**”

Description: A lightweight Intrusion Detection System was developed with a combination of FVBRM algorithm for feature reduction and SVM classifier for classification. This system produced an accuracy of 98%.

PUBLICATIONS (5)

- ☐ Published a paper titled, “**Metaheuristic Optimization Technique For Feature Selection To Detect The Alzheimer Disease From MRI**”, in Journal of Advanced Research in Dynamic and control Systems(JARDCS)- **Scopus Indexed** , Vol 9, Special issue, Pp. 1368-1381

- Published a paper titled, **“Phonetic Search in Facebook”**, in International Journal of Science and Research (IJSR), ISSN: 2319-7064, Volume 6 Issue 6. Ref: www.ijsr.net .
- Published a paper titled, **“Device free Passive Localization for Energy Conservation”**, in International Journal of Applied Engineering Research (IJAER) in Special Issue, Volume 10 No 5 (2015), Pp.3983-3986.
- Published a paper titled, **“An Effective Computer Based Examination System for Universities”** in International Journal of Science and Research (IJSR), ISSN: 2319-7064, Volume 4 Issue 2. Ref: www.ijsr.net , Paper ID: SUB151230.
- Published a paper titled, **“A Novel Computerized Examination system”**, in International Journal of Engineering Trends and Technology (IJETT), ISSN: 2231-5381, February 2015 Issue. Ref: www.ijettjournal.org

PAPER PRESENTATIONS (7)

- Presented a paper titled, **“A Survey on Machine Learning Algorithms”**, in 4th National Conference on Recent Trends in Ubiquitous Computing & Communication Technology (RTUCCT-2017) on 09-12-2017.
- Presented a paper titled, **“Automated Detection of Acute Myelogenous Leukemia using Digital Image Processing**, in Bioinformatics in Health Care using Big Data – NCBHB’ 17 conducted by Vivekanandha College of Engineering for Women, on 09-08-2017.
- Presented a paper titled, **“Fake Product Detection and Product Rating system”**, in International Conference on Data Science and Analytics - ICDSA17 at Department of CSE Rathinam college, Rathinam Technical Campus on 23-09-2017
- Presented a paper on **“e-Content Development”** in the UGC sponsored workshop on Curriculum redesigning held in Avinashilingam University in 2010
- Presented a paper on **“An Intrusion detection system with Feature Vitality Based Reduction Method (FVBRM) and Support Vector Machine (SVM) classification”** in the 6th National Conference on Latest Trends in Computing Environment held in Velalar College, Erode on 15-03-2014.
- Presented a paper on **“Supervised Adaptive Bee Colony system for Tumor segmentation in MRI images”**, in the 2nd National Conference on Recent Trends in ICT, NCRTICE-2014, conducted by Tamilnadu College of Engineering on 14-03-2014.
- Presented a paper on **“Device Free Passive Localization for Energy conservation”**, in International Conference on Advancements in Computing, Power and Control, ICACPC’15 conducted by Christian College of Engineering and Technology, Dindigul on 24-02-2015.

CERTIFICATION COURSES(2)

- ☐ Completed a certification course in **“Cloud Infrastructure and development”** from EMC.
- ☐ Completed a NPTEL certification course in **“Machine Learning”**.

CONFERENCES /TRAINING ATTENDED (11)

- ☐ Attended a Two week **FDP** in **“Machine Learning”**, organized by **GIAN** and Central University of Rajasthan (CURAJ) at CURAJ from 30-10-2017 to 11-11-2017
- ☐ Attended an ICMR sponsored two day workshop on **“Deep Learning”**, organized by Bannari amman Institute of Technology from 24-12-2017 to 24-12-2017.
- ☐ Attended a one day workshop in **“Rapid Miner for Data Mining”**, at Avinashilingam University on 25-07-2017.
- ☐ Attended a two day workshop on **“Algorithmic thinking”**, organized by Bannari amman Institute of Technology from 24-10-2017 to 25-10-2017.
- ☐ Attended a one day workshop on **“Decision Making and Problem Solving Skills”** at Coimbatore Productivity Council on 25-02-2017.
- ☐ Attended a two day workshop on **“Fundamentals of Data Analysis and Analytics”** at PSGiTech on 21-02-2016 and 13-02-2016.
- ☐ Attended a two day workshop on **“Data Warehousing with Informatics ETL Tool”** at Bannari amman Institute of Technology on 19-09-2015 and 20-09-2015
- ☐ Attended a one day workshop on **“Wireless sensor networks using NetSim”** at PSG institute of technology on 22.08.2015
- ☐ Participated in the National Network Security Championship Workshop, NetSec-2014, organized by Avinashilingam University in partnership with IIT Roorkee from 19-02-2014 to 20-02-2014.
- ☐ Attended a two day UGC sponsored students workshop on **“Vocalization of Undergraduate Education through CBCS”** organized by Avinashilingam University, 09-01-2014 to 10-01-2014.
- ☐ Attended the CII Connect 2013 event on **“Emerging trends in ICT in Tamilnadu”**, organized by the Confederation of Indian Industry on 24-09-2013 to 25-09-2014.

INPLANT TRAININGS/ INTERNSHIPS

- ☐ Have been trained by **Tata Consultancy Services (TCS)**, Chennai on C++ Stream, covering domains like UNIX, C++ and RDBMS.
- ☐ Completed one month internship course on **“PHP and Web Servers”** in Mazenet Solutions, Coimbatore from 12-05-2014 to 12-06-2014.
- ☐ Completed two week training on **“Free and Open Source software”**, from 23-05-2011 to 04-06-2011.

ACADEMIC ACHEIVEMENTS

- ☐ University Topper and Gold medalist in M.E (2013–2015), Avinashilingam University.
- ☐ Department Third rank holder in B.E (2009-2013), Avinashilingam University.
- ☐ Member of Computer society of India.
- ☐ Life time member of Indian Society for Technical Education.

PERSONAL DETAILS

Father's Name: S Muruganandam

Mother's Name: R Deepa

Community: BC (Devanga Chettiar)

Contact Address: D Block, E3, RC Blossoms, Nookampalayam Main Road,
Perumbakkam, Chennai 600100

Languages known to read & write: Tamil, English.

Languages known to speak: Tamil, English, Telugu

Availability of passport & Driving license: Yes

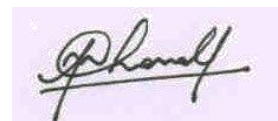
Marital Status: Married

DECLARATION

I hereby declare that all the information mentioned above is true to the best of my knowledge.

Place: CHENNAI

Date: 11-11-2018



(Archana M)

