

## RESUME

Name of the Staff : Dr.M.Bhuvanewari  
Designation : Assistant Professor (SG)  
Date of joining in the college : 24.06.2005  
E-mail Id : [itsbhuvana@gmail.com](mailto:itsbhuvana@gmail.com), bhuvana@nec.edu.in  
Mobile Number : 9944944457

### Personal Details

Age : 38 Years  
Date of Birth : 18.05.1982  
Sex & Marital Status : Female & Married  
Citizenship : Indian

### Educational Qualification

Educational Qualification	Branch	Name of the Institution/University	Yr. of Passing	% of Marks	Class/ Division
B.E	Computer Science and Engineering	Madurai Kamaraj University Madurai	2003	74	First
M.Tech	Computer Science and Engineering	Indian Institute of Technology, Madras	2010	75	First
Ph.D	Computer Science and Engineering	Anna University Chennai	2019	-	

### Professional Experience (In chronological order)

Designation	Institution/Organization	Period	Nature of Duties
Lecturer	Pandian Saraswathi Yadav Engineering College, Sivagangai	1 Year 5 Months 10.12.03 – 11.05.03	Teaching
Lecturer	Natioanal Engineering College, Kovilpatti	5 Years 1 Months 24.06.05 – 31.10.11	Teaching
Assistant Professor	Natioanal Engineering College, Kovilpatti	2 Years 1 months 01.11.11 – 09.07.13	Teaching and Research
Assistant Professor (SG)	Natioanal Engineering College, Kovilpatti	6 Years 11 Months 10.07.13 - Till Date	Teaching and Research

### No. of years of Experience

i. NEC : 14 Years 1 Months      ii. Other Colleges : 1 Years 5 Months  
iii. Industry : -                      iv. Other than above : -

### List of International Journals

S.No.	Name of the Authors	Title of Paper	Name of Journal	Page No & Volume	Year of publication	Impact Factor
1	Mohaideen Pitchai Paramasivan and Bhuvanewari	Energy Efficient Routing Mechanism for Improving Lifetime of Wireless Biosensor Networks	Journal of Pure and Applied Microbiology,	Vol. 9	2015	0.45
2	Kalliappan, Paramasivan, Mohaideen Pitchai and Bhuvanewari	Enhancement of Security and Congestion Adaptiveness in Dynamic Source Routing Protocol	International Journal of Networking and Communication Engineering	PP. 366 - 370, Vol.4,No.7	2012	0.569

3	Bhuvanewari and Paramasivan	Geographical angular zone-based optimal resource allocation and efficient routing protocols for vehicular ad hoc networks	IET Intelligent Transport Systems	Volume 12, Issue 3, April 2018, p. 242 – 250	2017	1.172
4	Bhuvanewari and Paramasivan	Stochastic dynamic programming model for optimal resource allocation in vehicular ad hoc networks	Sādhanā, Academy Proceedings in Engineering Sciences Journal,	Vol.44, No.4, pp.43-52	2018	0.562

### List of International Conferences

S.No	Name of the Faculty	Title of Paper	Name of the Conference	Year of publication
1	Hema A. Murthy, M. Bhuvanewari et al	An exclusive examination framework for Indians	IEEE international conference on Technology for Education	2010
2	Mohaideen Pitchai Paramasivan and Bhuvanewari	A Novel Secure Data Aggregation Model for Wireless Sensor Networks using Fuzzy Logic	IEEE Sensors 2012, Taipei, Taiwan	2012
3	Mohaideen Pitchai Paramasivan and Bhuvanewari	Game Theoretical Computation based Energy Efficient Routing for Wireless Sensor Networks	International Conference on Eco-friendly Computing and Communication Systems, NITK, Mangalore, India	2014
4	Mohaideen Pitchai Paramasivan and Bhuvanewari	A Novel Trust based Routing Algorithm for Mobile Ad hoc Networks	Bilingual International Conference on Information Technology: Yesterday, Today and Tomorrow, DRDO, Defence Scientific Information & Documentation Centre (DESIDOC), New Delhi	2015
5	Bhuvanewari Paramasivan and Mohaideen Pitchai	Augmented DTN based Energy Efficient Routing Protocol for Vehicular Ad hoc Networks	IEEE Sensors 2015, Busan, South Korea	2015
6	Bhuvanewari	IoT based intelligent irrigation and its impact on predicting crop production	IEEE International Conference on Innovations in Information, Embedded and Communication Systems, Coimbatore	2016
7	Bhuvanewari	Agro Onsite Plant Monitoring using Wireless Sensor Networks	IEEE International Conference on Computing Technologies and Intelligent Data Engineering	2016
8	Bhuvanewari Paramasivan and Jyothirbindhu	Game theoretical approach for RSU access with minimum payoff in VANET	International Conference on Business Analytics and Intelligence (ICBAI), IISc, Banaglore.	2016
9	Bhuvanewari Paramasivan and Jyothirbindhu	Statistical Adaptive Heuristic Model Supported Driver Intended Destination and	International Conference on Algorithms, Methodologies, Models and Applications in	2017

		Path Prediction Algorithm for Vehicular Ad hoc Network	Emerging Technologies, Chennai	
10	Bhuvanewari Paramasivan and Jyothirbindhu	Trustworthy based Secure Communication for Mobile Adhoc Networks	International Conference on Advancement in Engineering, Applied Science and Management (ICAEASM-2017)	2017
11	Bhuvanewari	Energy Efficient and Collision Aware Routing Algorithm for Wireless Sensor Networks	International conference on Advanced Computing and Communication Systems, Coimbatore	2017
12	Siva Parvathy S ; Bhuvanewari M	Handling of Voluminous Tweets and Analyzing the Sentiment of Tweets	International Conference on Advanced Computing & Communication Systems, Coimbatore	2019
13	M.Bhuvanewari, B Paramasivan , Hamza Aldabbas	A Two-Level Authentication Protocol for Vehicular Adhoc Networks	International conference on innovative computing and cutting edge technologies, Istanbul, Turkey	2019

### List of National Conferences

S.No	Name of the Faculty	Title of Paper	Name of the Conference	Year of publication
1.	Bhuvanewari	Energy Consumption and Throughput Efficiency of TCP in Adhoc Network	UGC Sponsored National Conference on Data Mining and its Applications	2007
2.	Bhuvanewari	Secure data transmission using LSB insertion Steganography and RSA cryptography	MEPCOIT'13	2013

### R&D Projects: Research Projects Sanctioned (Ongoing / Completed/Recommended)

S.No	Title of the Project	Principal Investigator	Co-Investigator	Funding Agency	Amount	Period
1	Studies in Cellular Automata with its Applications on Cryptography	Dr.B.Paramasivan	Mohaideen Pitchai Bhuvanewari	DRDO, New Delhi	12.195 Lakhs	2 Years
2	Design of Braille Print Suite for visually impaired people	Dr.B.Paramasivan, M.Bhuvanewari (Mentors)		NewGenEDC,DST	2.5 Lakhs	1 Year
3	Development of Intelligent Pest and Disease Prediction and	Dr.B.Paramasivan, M.Bhuvanewari		AICTE, RPS	8.15 Lakhs	Recommended

	Forewarning System for Sustainable Cotton Production				
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### Consultancy Works (Completed)

- One of the member in a Consultancy Work to TATA Power SED, Bangalore entitled “Services in the area of Intelligence” with the total cost of Rs.3,00,000/- from January 2018 to September 2018.

### Short term Courses/Seminar/Conference/Workshop Attended

S.No	Institution	Topic	Course Detail	Date
1.	National Engineering College	Igniting Students’ Counselor	CSI – Workshop	22.10.2005
2.	National Engineering College	Web Technology	AU Chennai – FDP	07.11.2005 to 09.11.2005
3.	Sri Ramakrishna Engineering College	Effective Teaching and Research Methodologies for College Teachers	Workshop	23.09.2006
4.	Pondicherry Engineering College	Advanced Software Engineering Methodologies	ISTE – STTP	06.11.2006 to 10.11.2006
5.	National Engineering College	Virtual Instrumentation based on LABVIEW	TECH Lab – Workshop	18.12.2006
6.	Coimbatore Institute of Management and Technology	IT Enabled Services	Regional Seminar	27.01.2007
7.	IIT Madras	Education with Assistive Technologies	Seminar	05.01.2010 and 06.01.2010
8.	National Engineering College	Network Programming and Management	AICTE – SDP	07.06.2016 to 12.06.2016
9.	National Engineering College	Research Issues in Wearable Computing	CSIR – Seminar	28.01.2011 to 29.02.2011
10.	National Engineering College	Rational Functional Tester	IBM – Workshop	07.08.2012 to 10.08.2012
11.	National Engineering College	Media Security: A set-theoretic framework for Data Hiding	Seminar	29.08.2012
12.	Kongu Engineering College	Simulation and Emulation of Self Organized Networks	IIPC – Workshop	11.09.2014 to 13.09.2014
13.	National Engineering College	Formulation of Research and Development Proposals by Scientists and Technologists	Workshop	18.11.2015 to 20.11.2015
14.	IIT Bombay	Information Theory	Seminar	01.01.2016 to 03.01.2016
15.	National Engineering College	Research Aspirants Meet – ICCTIDE 2016	Seminar	07.01.2016 to 08.01.2016

16.	NPTEL – IIT Kanpur	Theory of Computation	Online Course	8 weeks course July to September 2016
17.	NPTEL – IIT Madras	Introduction to Modern Application Development	Online Course	8 weeks course January to March 2017
16.	National Engineering College	Research Trends and Innovations in Vehicular Networking and Intelligent Vehicular Communication	AICTE Seminar	12.10.2017 and 13.10.2017
17.	NITK, Surathkal	“Introduction to software defined networking”	GIAN Course	26.03.2018 to 30.03.2018
18.	IIT Bombay	ICT for Education Pedagogy Learning	FDP101.x FDP201.X	2 Weeks
19	NPTEL – IIT Madras	Computer Networks and Internet Protocol	Online Course	12 weeks course Jul to Oct 2018
20	Recodem Private Limited, Tirunelveli	Software Testing	Industrial Know How Training Programme	17.01.2019 to 18.01.2019 23.01.2019 to 25.01.2019
21	Anna University Chennai	Block chain Technologies	ISEA sponsored Workshop	16.09.2019 to 20.09.2019
22	Udemy	The complete ethical hacking course: Beginner to Advanced	Online Course	28.04.2020
23	Coursera	Block chain Basics	Coursera Online Course	26.05.2020

#### Short term Courses/Conference/Workshops/Seminars Organized

S.No	Title	Duration of the workshop	Funding Agency
1.	New Fangled Architecture – Spawning Network	18.02.2011 & 19.02.2011	DST
2.	Research Perspective on Natural Language Processing	11.03.2011 to 12.03.2011	DRDO
3.	Research Challenges and Trends in intelligent web for information Retrieval	18.03.2011 & 19.03.2011	DRDO
4.	A hands on training on Latex Essentials for Beginners	14.06.2013 & 15.06.2013	AICTE
5.	Theory of Computation	03.06.2013 to 10.06.2013	Anna University
6.	Language based Formal Methods and Verification Techniques for Security	02.08.2013 & 03.08.2013	DRDO
7.	High Speed Networks	09.06.2014 to 16.06.2014	ISTE-SRM

8.	Mobile and Pervasive Computing	11.06.2014 to 18.06.2014	Anna University
9.	Cloud Computing Solutions for Genomics Analysis	07.07.2015 & 08.07.2015	DBT
10.	Industrial IoT: Trends in Systems and Processors	08.02.2016	NEC
11.	Research Avenues in Speckled Computing and Speck nets – A Futuristic Pervasive Revolution	23.07.2016 & 24.07.2016	INSA
12.	Algorithmic Game Theory	20.07.2018 to 21.07.2018	IARCS

#### Expert Lecture Delivered

S.No	Title	Venue	Date
1.	Advanced Web Query Languages	National Engineering College	19.03.2011
2.	Pervasive Computing	Sethu Institute of Technology	17.05.2012
3.	LATEX Software	Jayaraj Annapackiam CSI Engineering College	17.08.2012
4.	Finite Automata	National Engineering College	09.06.2013
5.	Pervasive Computing Tools	National Engineering College	16.06.2014
6.	NS3 Simulation	GVN College, Kovilpatti	26.02.2016 and 27.02.2016
7.	CS8451-Design and Analysis of Algorithm	Closest Pair and Convex Hull Problem Dynamic Programming, TSP, Approximation algorithm for NP, Hard Problems	29.11.2018 07.12.2018

#### Membership in Professional bodies

- Life member in Indian Society for Technical Education (ISTE)

#### Specific Achievement if any

1. Topper of Top 5% mark scorer in the courses Theory of computation (90 marks), Introduction to Modern Application Development (85 marks) and Computer Networks and Internet Protocol (65 marks).
2. Received appreciation certificate from Kovilpatti Blind Association (KOBRA) for coordinating final year student project entitled “Design and Development of e-voting machine for visually impaired peoples”