Dr.ANURADHA M P

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Qualification

Degree	Branch	Institution / University	Year of Passing
Ph.D	Computer Science	Bharathidasan	2014
M.Phil	Computer Science	Bharathidasan	2005
MCA	Computer Application	Bharathidasan/Shrimathi Indira Gandhi College	2002
B.Sc	Mathematics	Bharathidasan/Shrimathi Indira Gandhi College	1999

Ph.D. Details

Title of Thesis	Area of Specialization
Establishment of Reliable,Credible Routing Protocol with Maximum Connectivity for Wireless Sensor Networks through Secured and Aggregated Approach	Wireless Sensor Networks

Research Supervisor	Research Centre	Year of Award
Dr.Gopinath Ganapathy	Bharathidasan University	October 2014

Additional Qualification

Name of Course	Place of Study	Date	Duration
Introduction to IOT Security	Online	April 5,2020	
Introduction to Machine Learning	Online	April 2020	

Work Experience

Name of Institution	Address of Institution	Designation	From	To
P.R.Engineering College	Thanjavur	Lecturer	22-06-2005	22-05-2007
SASTRA University	Thanjavur	Assistant Professor	09-07-2007	08-11-2010
National Institute of Technology	Trichy	Temporary Faculty	14-08-2014	30-06-2017
BHARATHIDASAN UNIVERSITY	TIRUCHIRAPPALLI	FULL TIME Research Scholar	01-09-2011	31-03-2014
Bishop Heber College	Bishop Heber College(Autonomous) Trichy	Assistant Professor	04-07-2018	Tilldate

Teaching / Research Experience

U.G. : 5	P.G. : 8	M.Phil.	Ph.D.

Research Guidance

U.G. : 100+	P.G. : 100+	M.Phil. :	Ph.D. :
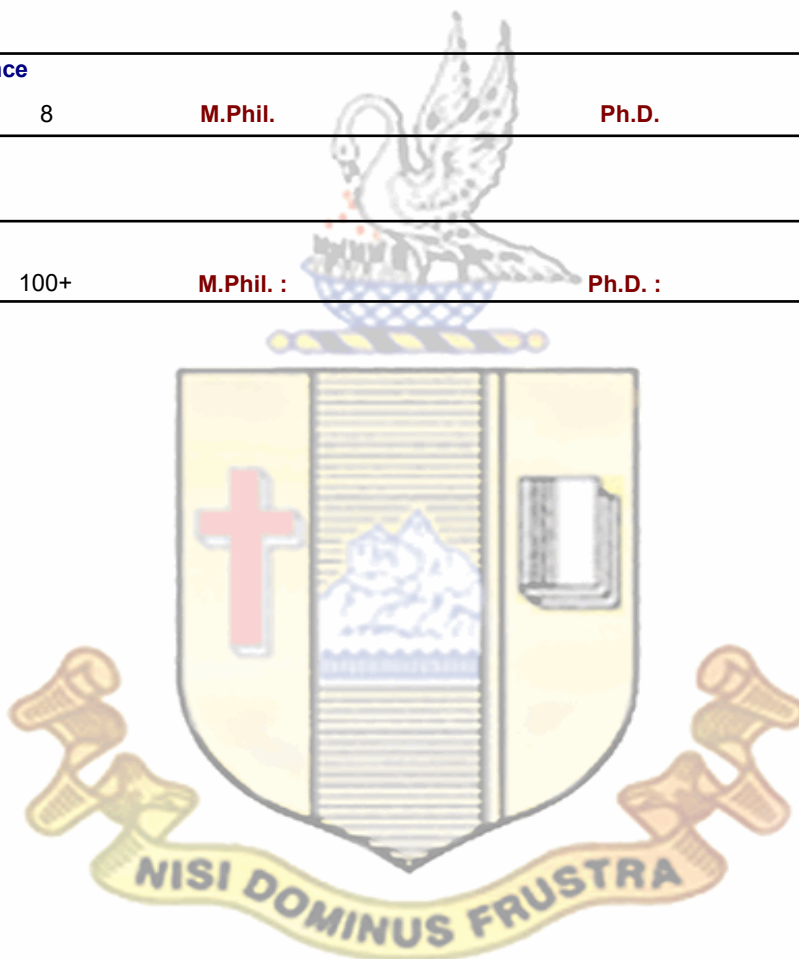
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7.	Research Projects	0
8.	Resource Person	7
9.	Consultancy	0
10.	Awards Recieved	0
11.	Patent	0
12.	Extension Activities Undertaken	0
13.	Professional Membership	0
14.	M.Phil. / Ph.D. Produced	0 / 3

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CONFERENCES / WORKSHOPS / SEMINARS ATTENDED   -   18

1. College level Seminar on **"Four Day Capacity Building Programme"** sponsored by BISHOP HEBER COLLEGE organized by BISHOP HEBER COLLEGE at TRICHY during 13/10/2020 to 16/10/2020.

2. College level Workshop on **"Social Media Marketing"** sponsored by Bishop Heber College organized by Bishop Heber College at Trichy during 26/09/2020 to 26/09/2020.

3. National level Orientation on **"Open Source Tools for Research"** sponsored by MHRD organized by Ramanujan College (University of Delhi) at Online during 08/06/2020 to 14/06/2020.

4. College level Seminar on **"Webinar on Unlocking Online Evaluation"** sponsored by organized by at during 22/05/2020 to 22/05/2020.

5. College level Seminar on **"Webinar on Online Teaching:The New Norm"** sponsored by BISHOP HEBER COLLEGE organized by BISHOP HEBER COLLEGE at TRICHY during 21/05/2020 to 21/05/2020.

6. National level Orientation on **"Managing Online Classes and Co-Creating MOOCS 2.0"** sponsored by MHRD organized by Ramanujan College (University of Delhi) at Online during 18/05/2020 to 03/06/2020.

7. National level Orientation on **"Secure coding best practices for safety and mission critical systems"** sponsored by LDRA Academic Alliance, Department of Computer Applications organized by NIT Trichy at Trichy during 24/02/2017 to 24/02/2017.

8. National level Orientation on **"Embedded systems – For a Connected Tomorrow"** sponsored by Department of CSE, SASTRA UNIVERSITY organized by Department of CSE, SASTRA UNIVERSITY at Thanjavur during 14/11/2016 to 19/11/2016.

9. International level Conference on **"Research in Engineering, Computers and Technology"** sponsored by Department of Computer Applications, organized by Department of Computer Applications, at National Institute of Technology, Trichirappalli during 08/09/2016 to 10/09/2016.

10. International level Workshop on **"Internet Protocol Standards"** sponsored by IIREF, C-DAC & Department of Computer Applications organized by IIREF, C-DAC & Department of Computer Applications at NIT Trichy during 29/07/2016 to 29/07/2016.

11. National level Workshop on **"Platforms for Big Data Analytics"** sponsored by NIT Trichy organized by NIT Trichy at Trichy during 15/07/2016 to 16/07/2016.

12. National level Workshop on **"Application of ICT Tools for Pedagogy Development to Technical Education Teachers"** sponsored by Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching organized by NIT Trichy at Trichy during 08/04/2016 to 14/04/2016.

13. National level Orientation on **"Programme on Effective Teaching Learning Process in Technical Education"** sponsored by TEQIP organized by NIT Trichy at Trichy during 26/09/2014 to 27/09/2014.

14. National level Workshop on **"workshop on Human centric data privacy in wireless body area networks"** sponsored by AICTE organized by Government College of Technology at Coiambatore during 12/03/2013 to 13/03/2013.

15. International level Conference on **"International Conference on High Performance Communication Networks and Computing-HPCNC 2010"** sponsored by School of Computing, organized by School of Computing, at SASTRA UNIVERSITY, Thanjavur during 22/01/2010 to 23/01/2010.

16. State level Workshop on **"Data Mining using PASW Modeler"** sponsored by SPSS South Asia and Department of Computer Application, NIT organized by SPSS South Asia and Department of Computer Application, NIT at Trichy during 24/08/2009 to 24/08/2009.

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17. National level Orientation on **"*National Level Students Technical Symposium*"** sponsored by P. R. Engineering College organized by P. R. Engineering College at Vallam, Thanjavur during 12/06/2006 to 12/06/2006.

18. College level Seminar on **"*Instructional Design and Delivery*"** sponsored by MHRD organized by P.R.Engg.College at Thanjavur during 29/05/2006 to 02/06/2006.

1. **"IoT Based Smart E-Waste Management System for A Sustainable Urban Life"** in the International conference on *Scientific and Technological Advancements for Reliable and Sustainable - Future (STARS-2022)* sponsored by Bishop Heber College, organized by Deanery of Academics & All Science Departments at Trichy during 16/11/2022 to 18/11/2022.

2. **"Deep Neural Network Architectures, Applications and Challenges"** in the International conference on *Scientific and Technological Advancements for Reliable and Sustainable - Future (STARS-2022)* sponsored by Bishop Heber College, organized by Deanery of Academics & All Science Departments at Trichy during 16/11/2022 to 18/11/2022.

3. **"A Novel Framework for Blockchain Parallel Mininng using Proof - of - Work Mechanism"** in the International conference on *International Conference on Futuristic Technologies and Industry 5.0* sponsored by Bishop Heber College, organized by Department of Computer Science - Shift I at Trichy during 13/05/2022 to 13/05/2022.

4. **"Classification Algorithms for Disease Diagnosis System"** in the International conference on *International Conference on Futuristic Technologies and Industry 5.0* sponsored by Bishop Heber College, organized by Department of Computer Science - Shift I at Trichy during 13/05/2022 to 13/05/2022.

5. **"Intrusion Detection Based on Generalized Variablr Precision Rough Sets Feature Selection Techniques"** in the International conference on *International Conference on Futuristic Technologies and Industry 5.0* sponsored by Bishop Heber College, organized by Department of Computer Science - Shift I at Trichy during 13/05/2022 to 13/05/2022.

6. **"Intrusion Detection System on New Feature Selection Techniques with BFO"** in the International conference on *VICFCNT 2021 -Virtual International conference on Futuristic Communication and Network Technologies* sponsored by , organized by School of Electronics Engineering (SENSE), Vellore Institute of Technology (Chennai) in joint collaboration with Universiti Tunku Abdul Rahman Utar, Sungai Long Campus Malaysia at Chennai during 10/12/2021 to 11/12/2021.

7. **"An Evaluation of Feature Selection Methods Performance For Dataset Construction"** in the International conference on *VICFCNT 2021 -Virtual International conference on Futuristic Communication and Network Technologies* sponsored by , organized by School of Electronics Engineering (SENSE), Vellore Institute of Technology (Chennai) in joint collaboration with Universiti Tunku Abdul Rahman Utar, Sungai Long Campus Malaysia at Chennai during 10/12/2021 to 11/12/2021.

8. **"Effective Optimization of Fuzzy Blockchain Mining"** in the International conference on *VICFCNT 2021 -Virtual International conference on Futuristic Communication and Network Technologies* sponsored by , organized by School of Electronics Engineering (SENSE), Vellore Institute of Technology (Chennai) in joint collaboration with Universiti Tunku Abdul Rahman Utar, Sungai Long Campus Malaysia at Chennai during 10/12/2021 to 11/12/2021.

9. **"Deep Neural Network for multiclass intrusion detection system using variable rough set"** in the International conference on *International Virtual Conference on Emerging Trends in Computing Science* sponsored by , organized by BISHOP HEBER COLLEGE at TRICHY during 14/12/2020 to 14/12/2020.

10. **"An Evaluation of Feature Selection Algorithm Performances"** in the International conference on *International Virtual Conference on Emerging Trends in Computing Science* sponsored by , organized by BISHOP HEBER COLLEGE at TRICHY during 14/12/2020 to 14/12/2020.

11. **"Design and Development of an IoT framework for Monitoring and Controlling field parameters in Smart agriculture using Raspberry Pi"** in the International conference on *International Conference on Research in Engineering, Computers and Technology (ICRECT-2016)* sponsored by , organized by NIT-Trichy at NIT-Trichy during 08/09/2016 to 10/09/2016.

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12. **"Credible Secure Data Aggregation in Wireless Sensor Networks"** in the International conference on *ICAEES 2014* sponsored by , organized by at during 18/08/2014 to 18/08/2014.

13. **"Secured Wireless Sensor Node Management in Nested Clustering Using Logical Neighbor Tree"** in the International conference on *2nd International Conference on Emerging Trends of Computer and Information Technology (ICETCIT 2013), Kuala Lumpur , Malaysia.* sponsored by , organized by at Kuala Lumpur , Malaysia during 15/01/2013 to 16/01/2013.

14. **"Optimized Nested Aggregated Query Processing Techniques for wireles sensor Networks"** in the National conference on *National Conference on frontiers in Applied Sciences and Computer Technology. FACT 2012* sponsored by , organized by at NIT-Trichy during 06/12/2012 to 07/12/2012.

15. **"Rewriting the X Query based on semantic cache"** in the International conference on *First international conference on frontier technology need for the industry, business & education* sponsored by , organized by at HOSUR during 06/09/2006 to 08/09/2006.

16. **"An ideal approach to Location Management of   Proficient database   management   in Mobile   computing   systems"** in the National conference on *NSONMC-06* sponsored by , organized by P.R.Engg college at Thanjavur during 24/03/2006 to 01/01/1900.

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Publication in Journals   -   9

1. **"Review on Intelligent techniques for Network Intrusion Detection System"** published in Design Engineering (PEER REVIEW) Vol. , Issue No. 8, October 2021 **ISSN :** 0011-9342.

   Impact factor , **Scopus Index** yes, **h - index** , **Citation index**

2. **"PPLFS: A High-Performance Consensus Method for Improving Throughput and Scalability in Blockchain Network""** published in Turkish Journal of Computer and Mathematics Education (PEER REVIEW) Vol. 12, Issue No. 11, May 2021 **ISSN :** 1309-4653..
   Impact factor , **Scopus Index** yes, **h - index** , **Citation index**

3. **"Fault Node Detection and Connectivity Restoration with Mobile Relay Node in Wireless Sensor Networks"** published in Journal of Computer Science (PEER REVIEW) Vol. , Issue No. , April 2020 **ISSN :** 1552-6607.

4. **"Data Aggregation using probability theory for Wireless Sensor Networks"** published in International Journal of Engineering and Technology (SELECT) Vol. 5, Issue No. 1, March 2019 **ISSN :** 0975-4024.

5. **"Secure Multicasting using CoAP- Group Keying Approach"** published in International Journal of Pure and Applied Mathematics (PEER REVIEW) Vol. 118, Issue No. 20, March 2019 **ISSN :** 1314-3395.

6. **"SARRP: Secure Aggregated Reliable Routing Protocol for Wireless Sensor Networks"** published in International Journal of Pure and Applied Mathematics (PEER REVIEW) Vol. 118, Issue No. 20, March 2018 **ISSN :** 1314-3395.

7. **"Secure Aggregated Routing Protocol in WSN– A Review"** published in International Journal of Computer Applications (SELECT) Vol. 100, Issue No. 16, August 2014 **ISSN :** 0975-8887.

8. **"Analysis and Establishment of Clustering Using NIC for Wireless Sensor Networks"** published in International Journal of Applied Engineering Research (PEER REVIEW) Vol. 9, Issue No. 1, January 2014 **ISSN :** 0973-4562.
   Impact factor , **Scopus Index** yes, **h - index** , **Citation index**

9. **"Optimistic Opportunistic Routing Techniques for Wireless Sensor Networks: -A Review"** published in Research Journal of Applied Sciences, Engineering and Technology (SELECT) Vol. 6, Issue No. 8, January 1900 **ISSN :** 2040-7459.

Conferences / Workshops / Seminars Organised   -   2

1. International level Conference Entitled **"International Conference on Futuristic Technologies and Industry 5.0"** at Trichy, sponsored by Bishop Heber College, during 13/05/2022 to 13/05/2022.
2. International level Seminar Entitled **"EXPLORING DATA ANALYTICS USING SPARK PLATFORM AND CLOUD SERVICES USING KUBERNETES CONTAINERS"** at BHC,TRICHY, sponsored by , during 28/05/2020 to 28/05/2020.

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RESOURCE PERSON   -   7

1. International level Subreviewer on **"Journal-Special Issue on Recent trends, Challenges and Applications in Cognitive Computing for Intelligent Systemsjour"** at , 19/04/2020.
2. College level Invited Lectures on **"Recent Trends in Internet of Things"** at Imayam College of Engineering,Thuraiyur, 18/03/2017.
3. College level Invited Lectures on **"Optimistic Routing Strategy in WSN"** at Dhanalakshmi Srinivasan College,Chennai, 25/02/2017.
4. International level Chair Person on **"International Conference On Research in Engineering Computers and Technology"** at NIT,TRICHY, 01/09/2016.
5. International level Reviewer on **"ICERCT 2016"** at NIT,TRICHY, 01/09/2016.
6. College level Invited Lectures on **"Upcoming Networking with Wi-Fi"** at Imayam College of Engineering,Thuraiyur, 16/07/2016.
7. College level Speaker on **"Current Trends in Information Technology"** at Dhanalakshmi Srinivasan College,Chennai, 23/01/2016.

Additional Information

@   Appointed as Proctor for Ph.D Qualifying Entrance Examination at University Informatics Centre of Bharathidasan University on 14.02.2021

@   Organized state level technical symposium - HITECH-2k19 (Date: March 7th 2019)

@   Prepared Lab Manual for M.Sc. Computer Science for the course of Real time web app development

@   Organized various Association activities such as seminars and workshops

@   Acted as a Programming skill developer for UG and PG students

@   Recognized as DC member in Ph.D. research activities in Bharathidasan University, Trichy

@   Recognized as a PG examiner in Bharathidasan University, Trichy

Signature of Staff
(ANURADHA M P)

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