

## Dr.Preethi R

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Department of Computer Applications,  
Bishop Heber College,  
Tiruchirappalli - 17.

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### Qualification

Degree	Branch	Institution / University	Year of Passing
Doctor of Philosophy	Computer Science	Bharathidasan University	2019
Master of Philosophy	Computer Science	Jamal Mohamed College (Autonomous), Tiruchirappalli	2012
Master of Science	Computer Science	Holy Cross College (Autonomous), Tiruchirappalli	2011
BCA	Computer Science	Holy Cross College (Autonomous), Tiruchirappalli	2009

### Ph.D. Details

Title of Thesis		Area of Specialization	
A Novel Framework for Enhancing QoS in MANET using Innovative Strategies		Mobile Ad Hoc Network	
Research Supervisor	Research Centre	Year of Award	
Dr. M. Sughasiny	Srimad Andavan Arts and Science College	December 2019	

### Work Experience

Name of Institution	Address of Institution	Designation	From	To
Bishop Heber College (Autonomous), Tiruchirappalli	Bishop Heber College, No. 615, Vayalur Main Road, Tiruchirappalli - 620 017.	Assistant Professor	05-08-2020	Till date

### Teaching / Research Experience

U.G. : 2

P.G. :

M.Phil.

Ph.D.

### Research Guidance

U.G. :

P.G. :

M.Phil. :

1

Ph.D. :

2

## Table of Contents

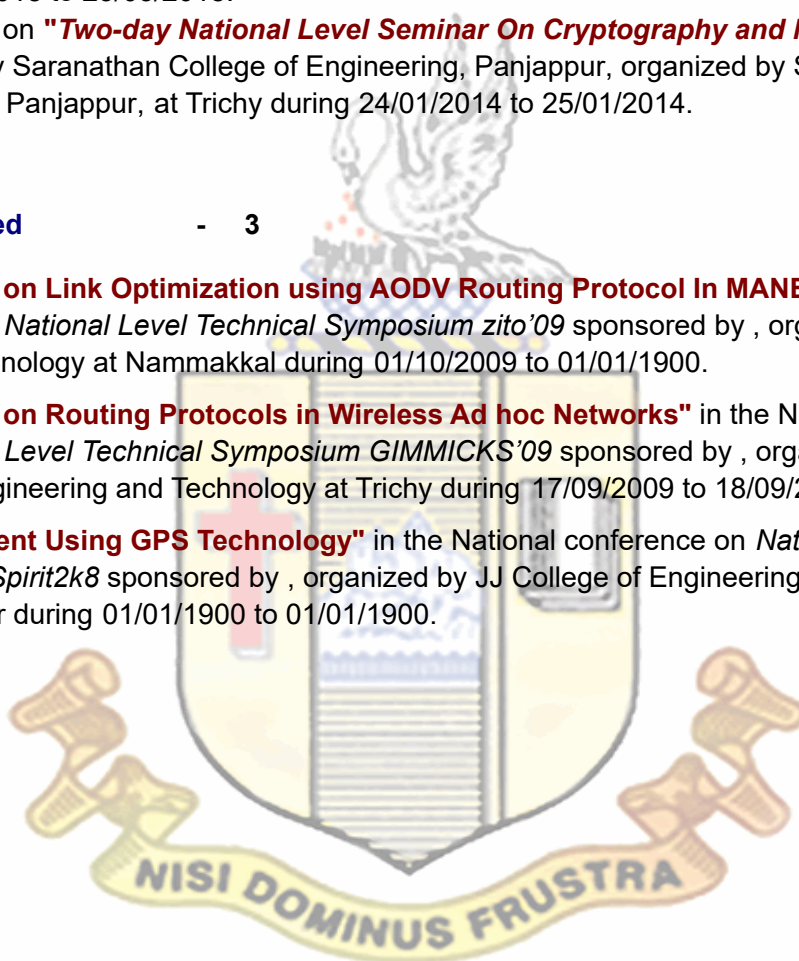
1.	<b>Conferences / workshops / Seminars Attended</b>	<b>4</b>
2.	<b>Research Papers Presented</b>	<b>3</b>
3.	<b>Publication in Journals</b>	<b>8</b>
4.	<b>Publication in Books</b>	<b>1</b>
5.	<b>Books Published / Edited</b>	<b>0</b>
6.	<b>Conferences / Workshops / Seminars Organised</b>	<b>4</b>
7.	<b>Research Projects</b>	<b>0</b>
8.	<b>Resource Person</b>	<b>1</b>
9.	<b>Consultancy</b>	<b>0</b>
10.	<b>Awards Recieved</b>	<b>0</b>
11.	<b>Patent</b>	<b>1</b>
12.	<b>Extension Activities Undertaken</b>	<b>0</b>
13.	<b>Professional Membership</b>	<b>0</b>
14.	<b>M.Phil. / Ph.D. Produced</b>	<b>0 / 0</b>

1. National level Seminar on **"Internet of Things(IoT) for Smart Grid"** sponsored by National Power Training Institute, Southern Region, Govt. of India organized by National Power Training Institute, Southern Region, Govt. of India at Neyveli during 26/10/2018 to 01/01/1900.
2. International level Conference on **"International Conference on I-SMAC(IoT in Social, Mobile, Analytics and Cloud) 2018"** sponsored by SCAD Institute of Technology, Palladam. organized by SCAD Institute of Technology, Palladam. at Coimbatore during 30/08/2018 to 31/08/2018.
3. International level Conference on **"International Conference on Vision, Networks and Informatics"** sponsored by Gandhigram Rural Institute organized by Gandhigram Rural Institute at Dindigul during 22/03/2018 to 23/03/2018.
4. National level Seminar on **"Two-day National Level Seminar On Cryptography and Network Security"** sponsored by Saranathan College of Engineering, Panjappur, organized by Saranathan College of Engineering, Panjappur, at Trichy during 24/01/2014 to 25/01/2014.

## Research Papers Presented

- 3

1. **"A Comparative Study on Link Optimization using AODV Routing Protocol In MANET"** in the National conference on *National Level Technical Symposium zito'09* sponsored by , organized by Selvam College of Technology at Nammakkal during 01/10/2009 to 01/01/1900.
2. **"A Comparative Study on Routing Protocols in Wireless Ad hoc Networks"** in the National conference on *National Level Technical Symposium GIMMICKS'09* sponsored by , organized by Jayaram College of Engineering and Technology at Trichy during 17/09/2009 to 18/09/2009.
3. **"Monitoring Management Using GPS Technology"** in the National conference on *National Level Technical Symposium Spirit2k8* sponsored by , organized by JJ College of Engineering and Technology at Thuraiyur during 01/01/1900 to 01/01/1900.



1. **"PBGTR: Price Based Game Theory Routing for Minimum Cost Routing Path"** published in Conference Proceedings in IEEE (CONFERENCE PROCEEDING) Vol. , Issue No. , February 2019 ISSN : ---.
2. **"E2SMT: Energy Efficient Security Management Technique in Mobile Ad Hoc Network"** published in International Journal of Research and Analytical Reviews (PEER REVIEW) Vol. 6, Issue No. 1, February 2019 ISSN : ---.
3. **"Energy Efficient Game Based Node Clustering Algorithm for MANET"** published in International Journal of Scientific Research in Computer Science Applications and Management Studie (PEER REVIEW) Vol. 8, Issue No. 1, January 2019 ISSN : 2319-1953.
4. **"RBMD: Reward Based Malicious Detection in MANET"** published in " International Journal of Scientific and Engineering Research (PEER REVIEW) Vol. 9, Issue No. 9, September 2018 ISSN : : 2229-5518.
5. **"AKCSS: An Asymmetric Key Cryptography Based on Secret Sharing in MANET" Advances in Intelligent Systems and Computing"** published in International Conference on Intelligent Systems Design and Applications ISDA 2018 (CONFERENCE PROCEEDING) Vol. , Issue No. , April 2018 ISSN : ---.
6. **"Energy Efficient Cluster Based Technique for Resource Allocation in MANET"** published in International Journal of Science and Research (PEER REVIEW) Vol. 6, Issue No. 6, June 2017 ISSN : 2319-7064.
7. **"A Game Theory Approach for Energy Efficient Node Clustering Based on Unstable Ranging Transmission in MANET"** published in International Journal of Engineering and Technology (PEER REVIEW) Vol. , Issue No. , March 2016 ISSN : ---.
8. **"PBGTR: PRICE BASED GAME THEORY ROUTING FOR MINIMUM COST ROUTING PATH IN MANET"** published in Proceedings of the Second International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC 2018) (CONFERENCE PROCEEDING) Vol. , Issue No. , January 1900 ISSN : 978-1-5386-1442-6.

1. **Conference Proceedings.** *Conference Proceedings.* Tiruchirappalli :Ryan Publishers, March 2021.

## Conferences / Workshops / Seminars Organised

- 4

1. Local level Workshop Entitled **"FACULTY ENRICHMENT EXTENSION PROGRAM"** at Panchayat Union Primary School, Mannachanallur, sponsored by UG DEPARTMENT OF COMPUTER APPLICATION, during 22/09/2021 to 22/09/2021.
2. College level Seminar Entitled **"NATIONAL SCIENCE DAY"** at BISHOP HEBER COLLEGE, sponsored by UG DEPARTMENT OF COMPUTER APPLICATIONS, during 27/02/2021 to 27/02/2021.
3. College level Seminar Entitled **"BREAST CANCER AWARENESS PROGRAM"** at BISHOP HEBER COLLEGE, sponsored by NIL, during 20/10/2020 to 20/10/2020.
4. College level Seminar Entitled **"WORLD STUDENTS DAY"** at BISHOP HEBER COLLEGE, sponsored by NIL, during 15/10/2020 to 15/10/2020.

## RESOURCE PERSON

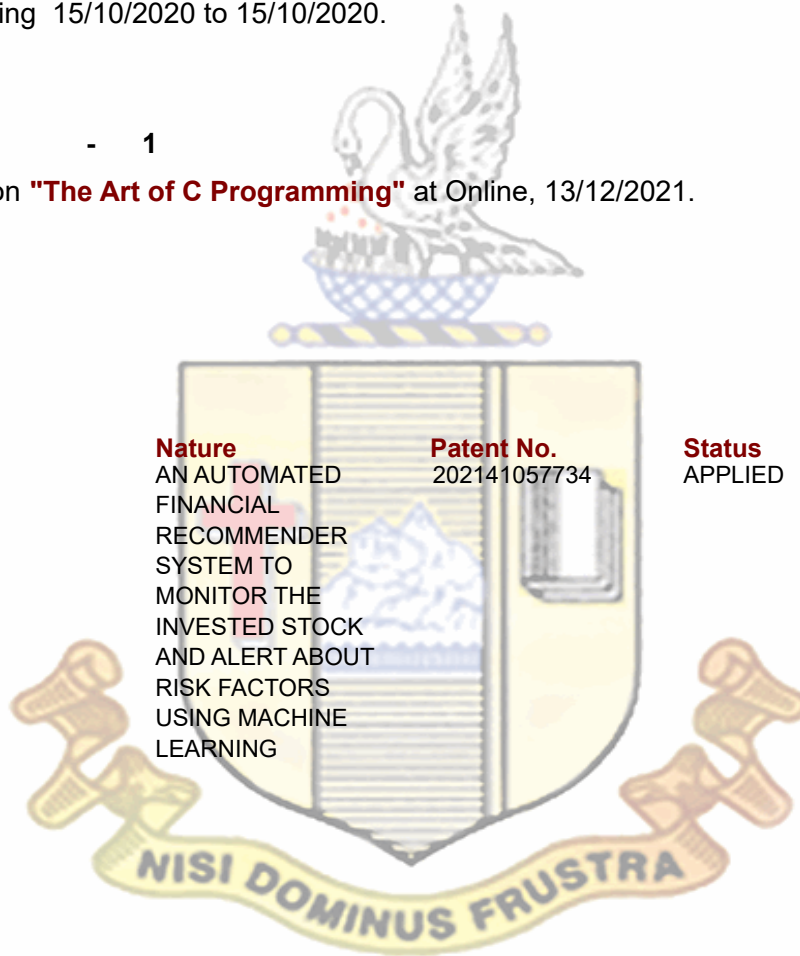
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1. College level Seminar on **"The Art of C Programming"** at Online, 13/12/2021.

## PATENT

- 1

Type	Nature	Patent No.	Status	Month & Year
NATIONAL	AN AUTOMATED FINANCIAL RECOMMENDER SYSTEM TO MONITOR THE INVESTED STOCK AND ALERT ABOUT RISK FACTORS USING MACHINE LEARNING	202141057734	APPLIED	2/4/2022 12:00:00



Signature of Staff

(Preethi R)