DrKavitha S

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Qualification

Degree	Branch	Institution / University	Year of Passing
PH.D	cryptography	National Institute Of Technology	2020
M.Tech	computer science	Sastra University	2011
computer science	computer science	Bharathidasan University	2005
Information Technology	maths, computer science	Bharathidasan University	2004
computer science	maths, computer science	Bharathidasan University	2000

Ph.D. Details

Title of Thesis	Area of Specialization
An Efficient Curve Based Cryptosystem with Decentralized Scalable Group Key Agreement for Internet of Things Environment	Cryptography

Research Supervisor	Research Centre	Year of Award
Dr.P.J.A.Alphonse	NIT Trichy	Nov,2020

Additional Qualification

Name of Course	Place of Study	Date	Duration
Diploma in Electronics and communication Engineering	RVS Polytechnic, Dindigul	April 95	3 years

Work Experience

Name of Institution	Address of Institution	Designation	From	To
Trichy Seva sangam girls higher secondary school	Trichy	PG Assistant	03-07-2001	31-05-2004
PGP College of Engineering and Technology	Namakkal	Lecturer	31-12-2005	30 04-2008
M.A.M College of Engineering and Technology	Siruganur,Trichy	Assistant Profesor	06-06-2011	12-05-2018
SRM Trichy Arts and Science College	Trichy	Assistant Professor	04-02-2020	27-10-2020
Bishop Heber College	Trichy	Asst.Prof	28/10/2020	

Teaching / Research Experience

U.G. : 6.6   **P.G. :** 3.5   **M.Phil.**   **Ph.D.**

Research Guidance

U.G. : 2.10   **P.G. :** 3.5   **M.Phil. :**   **Ph.D. :**

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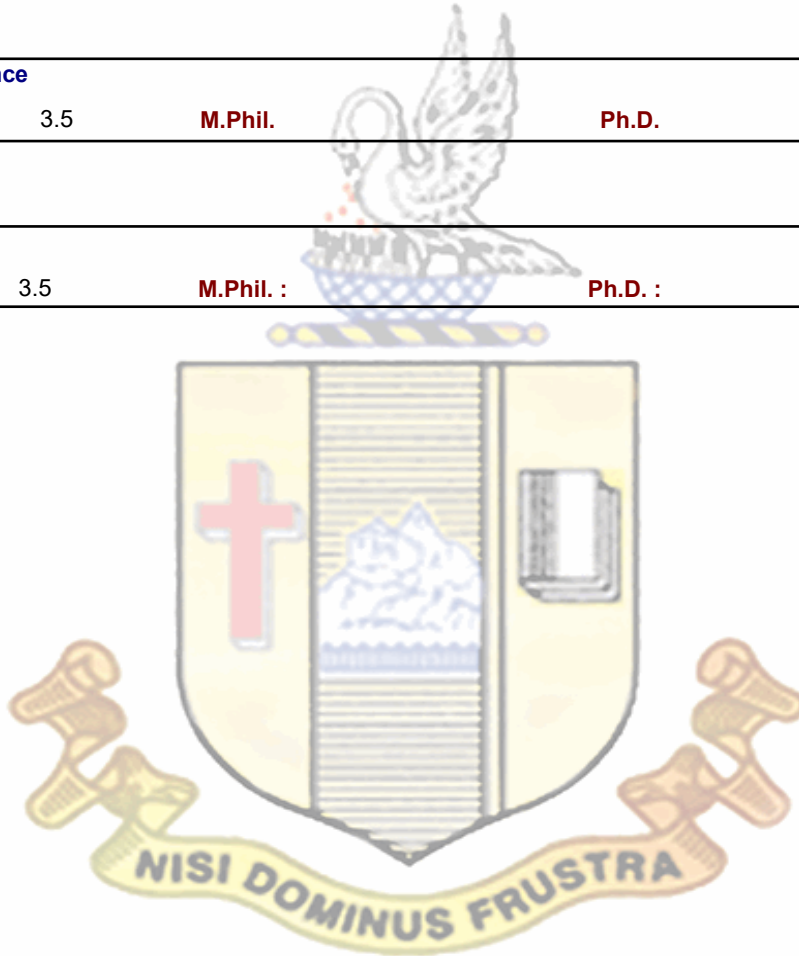
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7.	Research Projects	0
8.	Resource Person	1
9.	Consultancy	0
10.	Awards Recieved	1
11.	Patent	0
12.	Extension Activities Undertaken	0
13.	Professional Membership	0
14.	M.Phil. / Ph.D. Produced	0 / 0

## CONFERENCES / WORKSHOPS / SEMINARS ATTENDED   -   22

1. National level Summer School on **"*ML and its application using phython*"** sponsored by Madanapalle Institute of Technology & Science organized by Madanapalle Institute of Technology & Science at online during 17/07/2020 to 21/07/2020.

2. National level Workshop on **"*tHINK cREATE eNGIEERING*"** sponsored by PALS IIT Alumini Leasdership series) organized by IITM campus at chennai during 27/12/2017 to 30/12/2017.

3. National level Summer School on **"*Introduction to Soft Computing Techniques*"** sponsored by NIT Trichy organized by NIT,Trichy at Trichy during 26/10/2017 to 30/10/2017.

4. National level Workshop on **"*Moodle and Beyond*"** sponsored by TEQIP II and Teaching and Learning Centre organized by NIT,Trichy at Trichy during 30/09/2016 to 01/01/1900.

5. International level Conference on **"*International Conference on Research in Engineering, Computers and Technology*"** sponsored by NIT,Trichy organized by NIT,Trichy at Trichy during 08/09/2016 to 10/09/2016.

6. National level Workshop on **"*Internet Protocal Standards*"** sponsored by Indian Internet Research and Engineering Forum C-DAC Bangalore organized by NIT,Trichy at Trichy during 30/07/2016 to 30/07/2016.

7. International level Conference on **"*International Workshop and Conference on Analysis and Applied Mathematics*"** sponsored by NIT,Trichy organized by NIT,Trichy at Trichy during 06/06/2016 to 10/06/2016.

8. National level Workshop on **"*workshop on Introduction to cryptology*"** sponsored by ISTE organized by NIT,Trichy at Trichy during 30/05/2016 to 04/06/2016.

9. National level Conference on **"*National Conference on Frontiers in Computer Sciences and Applied Technology*"** sponsored by NIT,Trichy organized by NIT,Trichy at Trichy during 18/03/2016 to 01/01/1900.

10. National level Workshop on **"*Two week ISTE workshop on Cyber Security*"** sponsored by IIT Bombay under National Mission on Education through ICT& National Institute of Technology organized by NIT,Trichy at Trichy during 10/07/2014 to 20/07/2014.

11. International level Workshop on **"*One week ISTE workshop on computer programing*"** sponsored by MHRD &NIT Trichy organized by IIT Bombay at Trichy during 16/06/2014 to 21/06/2014.

12. National level Conference on **"*National Conference on Frontiers in Applied Sciences and Computer Technology*"** sponsored by NIT,Trichy organized by NIT,Trichy at Trichy during 23/05/2013 to 24/05/2013.

13. College level Workshop on **"*workshop on Android Programing & Application Development,*"** sponsored by Geekslab Technologies organized by M.A.M.College of Engg& TEchnology at Trichy during 26/07/2012 to 27/07/2012.

14. College level Seminar on **"*Certificate of participation in Professional Team Building*"** sponsored by M.A.M.College of Engg& TEchnology organized by M.A.M.College of Engg& TEchnology at Trichy during 07/05/2012 to 08/05/2012.

15. National level Seminar on **"*one day seminar on Research Issues and Challenges in Social Network Computing*"** sponsored by NIT,Trichy organized by NIT,Trichy at Trichy during 04/05/2012 to 01/01/1900.

16. College level Seminar on **"*Faculty traninig program of cetified information security specialist,*"** sponsored by M.A.M.College of Engg& TEchnology organized by M.A.M.College of Engg& TEchnology at Trichy during 11/01/2012 to 12/01/2012.

17. International level Workshop on **"*Workshop on LINUX, spoken tutorial project*"** sponsored by IIT bombay funded, MHRD of India organized by M.A.M.College of Engg& TEchnology at Trichy during 22/11/2011 to 22/11/2011.

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18. State level Workshop on **_"Workshop on Building a Real Time Cloud Application,"_** sponsored by computer society of India organized by M.A.M.College of Engg& TEchnology at Trichy during 18/11/2011 to 18/11/2011.

19. College level Orientation on **_"Three day orientation programe"_** sponsored by M.A.M.College of Engg& Technnology organized by at Trichy during 28/06/2007 to 30/06/2007.

20. -1 level Summer School on **_" Instructional Design and Delivery certification of quality improvement programme"_** sponsored by NIT,Trichy organized by NIT,Trichy at Trichy during 10/07/2006 to 15/07/2006.

21. University level Seminar on **_"Latest Trends in Computer Technology Bardcap 2K"_** sponsored by Bharathidasan university organized by Bharathidasan university at Trichy during 07/05/2002 to 01/01/1900.

Research Papers Presented   -   5

1. **"Avoiding Inverse Problem Using Imaginary Field In Burnside Curve"** in the International conference on _Proceeding Of 1st International Conference On Research In Engineering, Computers and Technology_ sponsored by NIT, Trichy, organized by NIT, Trichy at Trichy during 28/08/2015 to 28/08/2015.

2. **"A comparative study of Elliptic Curve Cryptography Methods"** in the International conference on _International Journal of Advances in Electonics and Computer Science,_ sponsored by , organized by at during 16/07/2015 to 16/07/2015.

3. **" Comparative Study of Elliptic Curve Cryptography Methods for Better Level of Security"** in the International conference on _,International Journal of Advances in Electonics and Computer Science_ sponsored by , organized by at chennai during 21/06/2013 to 21/06/2013.

4. **"Energy Efficient Data Collection by Dynamic TDMA Schduling in WSN"** in the National conference on _National confernce on emerging trends in infromation & computer technology_ sponsored by (NCETICT-13, organized by (NCETICT at Erode during 11/06/2013 to 01/01/1900.

5. **" Improved content based image retrival using NPRF"** in the International conference on _International Journal of conference on Advanced Computing Technology(ICACT)_ sponsored by ICTACT-2012, organized by ICACT at Erode during 01/01/1900 to 01/01/1900.

Publication in Journals   -   8
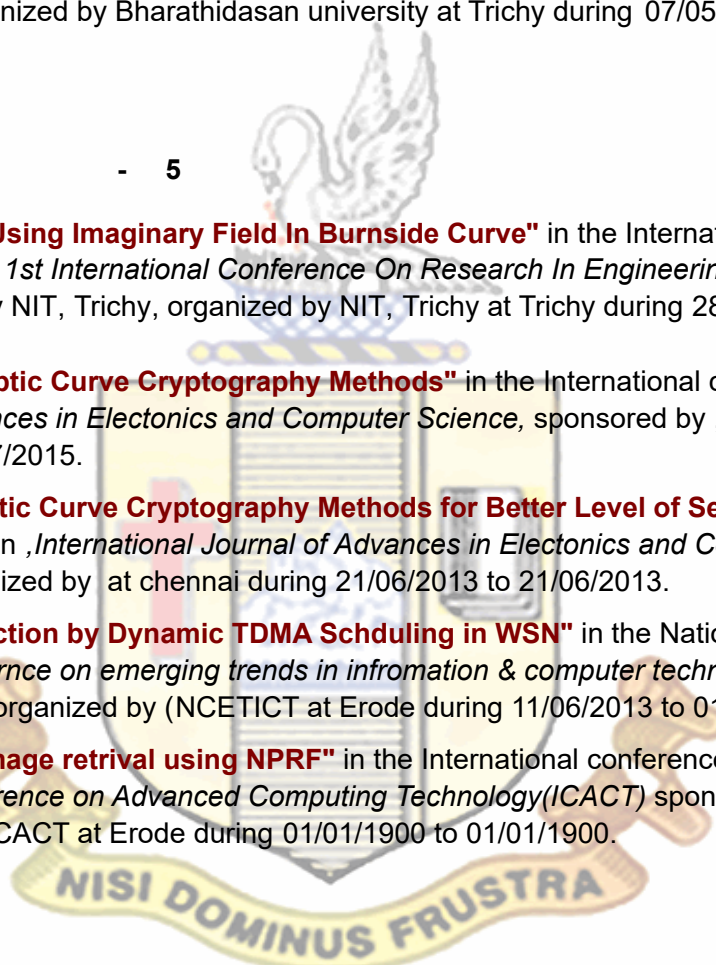
1. **"Enhancing E-Commerce Security using RSA Through Burnside Curve Cryptography"** published in Turkish online journal of qualitative inquiry (PEER REVIEW) Vol. 12, Issue No. 5, July 2021 **ISSN :** 13096591.

2. **"Security Enhancement through Efficient Arithmetic on Novel Curve Based Cryptography"** published in Turkish Online Journal of Qualitative Inquiry (PEER REVIEW) Vol. 12, Issue No. 5, May 2021 **ISSN :** 1309-6591.

3. **"An improved authentication and security on efficient generalized group key agreement using hyper elliptic curve based public key cryptography for IoT health care system"** published in mobile & wireless health,Journal of Medical Systems, (PEER REVIEW) Vol. , Issue No. , July 2019 **ISSN :** --. **Impact factor , Scopus Index , h - index** 13, **Citation index** 4

4. **"Efficient Group Key Agreement Scheme For Hierarchical Structure Based IoT Healthcare System"** published in journal of web engineering (PEER REVIEW) Vol. 18, Issue No. 1, January 2019 **ISSN :** 1540-9589.
   Impact factor , Scopus Index , h - index 2, **Citation index**

5. **"A hybrid cryptosystem to enhance security in IoT health care system"** published in International Journal of Wireless qnd Microwave Technologies(IJWMT) (PEER REVIEW) Vol. 9, Issue No. 1, January 2019 **ISSN :** 2076-1449.
   Impact factor , Scopus Index , h - index 5, **Citation index** 3

6. **" A Comparative Study of Elliptic Curve Cryptography Methods for Better Level of Security"** published in ,International Journal of Advances in Electonics and Computer Science (PEER REVIEW) Vol. 2, Issue No. 8, August 2015 **ISSN :** ISSN: 2393-2835.

7. **"A Comparative Study of Elliptic Curve Cryptography Methods for Better Level of Security"** published in International Journal of Advances in Electonics and Computer Science (PEER REVIEW) Vol. 2, Issue No. 8, July 2015 **ISSN :** 2393-2835.

8. **" Improved Content based Image Retrival using NPRF"** published in International Journal of compmunications and Engineering (CONFERENCE PROCEEDING) Vol. 5, Issue No. 2, March 2012 **ISSN :** ---.

Conferences / Workshops / Seminars Organised   -   8

1. International level Conference Entitled **"International Conference on Frontiers in Engineering, Applied Sciences and Computer Technology(FEAST 2018)"** at Trichy, sponsored by NIT T, during 27/04/2018 to 28/04/2018.
2. International level Conference Entitled **"International Conference on Frontiers in Engineering, Applied Sciences and Computer Technology(FEAST 2017)"** at Trichy, sponsored by NIT T, during 31/03/2017 to 01/04/2017.
3. International level Conference Entitled **"International Conference on Research in Engineering, Computers and Technology (ICRECT2016)"** at Trichy, sponsored by NIT T, during 08/09/2016 to 10/09/2016.
4. International level Conference Entitled **"International Workshop and Conference on Analysis and Applied Mathematics (IWCAAM-2016)"** at NIT Trichy, sponsored by NIT T, during 06/06/2016 to 10/06/2016.
5. National level Conference Entitled **"National Conference on Frontiers in Computer Sciences and Applied Technology (FACT 2016)"** at Trichy, sponsored by NIT T, during 18/03/2016 to 19/03/2016.
6. National level Conference Entitled **"National Conference on Frontiers in Computer Sciences and Applied Technology 15"** at Trichy, sponsored by NIT Trichy, during 06/03/2015 to 07/03/2015.
7. International level Workshop Entitled **"One week ISTE workshop on computer programing"** at Trichy, sponsored by MHRD, during 16/03/2014 to 21/03/2014.
8. National level Conference Entitled **"National Conference on Frontiers in Computer Sciences and Applied Technology"** at Trichy, sponsored by NIT Trichy, during 06/03/2014 to 07/03/2014.

Awards Recieved   -   1

Award Name	Presented by	Year	Level	Instituted by / Place	amount
Women in Engineering	IBM	01/03/2010	UNIVERSITY	SASTRA Univeristy	Best Abstract

TRAINING PROGRAMME   -   2

\#   NATIONAL level REFRESHER on **"tHINK cREATE eNGIEERING"** Sponsored by IITM, Organized by IITM at chennai during 27/12/2017 - 29/12/2017.

\#   COLLEGE level ORIENTATION on **"Short Term Course on Instructional Design and Delivery certification of quality improvement programme,"** Sponsored by National Institute of Technical Teachers Training & Research, Organized by MAM collegeof ENGG & TECH at Namakkal during 10/07/2006 - 15/07/2006.

RESOURCE PERSON   -   1

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Signature of Staff
(Kavitha S)

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