Curriculum Vitae

1. **Name**: **Dr. S. SIVAGURUNATHAN**

2. **Designation** : Assistant Professor
3. **Educational Qualification**: MCA, M. Phil., Ph.D.
4. **Experience**: 20 years in teaching and 10 years in research
5. **Areas of Interest**: Computer Networks, Network Security, Cloud Computing and IoT
6. **E-mail** : svgrnth@gmail.com
7. **Research Guidance** :   **Ph.D. :** Completed: 01   On Going: 03

      M.Phil.: Completed: 09; On Going: 04
8. **Major Research project :** On Going :2 UGC- MRP-01
9. **Publications:** Journal: 13; Chapters in Books: 6
10. **Awards & Recognitions**: Best Faculty Award by Nehru Group of Institutes,

      Coimbatore.
11. **Membership in Professional Bodies** : Member in Computer Society of India (CSI)
12. **Reviewer in**:

   - IETE-Technical Review (Taylor and Francis)
   - Journal of Information Systems Education (Indexed in Scopus)

13. **Additional Responsibilities** :

   i) Programme Officer - NSS

   ii) Library in-Charge (Dept.Library)

   iii) Co-ordinator - Placement and Alumni activities in Department

Publications in Journals

1. " Trust based security model to withstand against black hole and grey hole attacks in military based mobile ad hoc networks", International Journal of Mobile Network Communication & Telematics, Vol.06, No.01, pp.1-14, 2016.

2. " Behaviour of routing protocols in mobile ad hoc networks investigated for emergency and rescues scenario in India " , International Journal of Wireless & Mobile Networks, Vol. 8, No. 1, pp.23-37,2016.

3. "Trust Based Authentication Scheme to Remove Malicious Nodes in Mobile Ad-hoc Networks", International Journal of Applied Engineering Research, Vol.10, pp.23348-53, 2015.

4. "Trust and Cluster Based Security Architecture in MANET for a Collaborative Project Environment", International Journal of Advance Networking Applications, 2015.

5. " Trust Based security Schemes in Mobile Ad-Hoc Networks – A Review" , IEEExplore- Digital Library, ISBN: 14768701, 2014.

6. " Trust and Cluster Based Authentication Schemes in Mobile Ad-Hoc Networks – A Review" , IEEE Digital library, ISBN:978-1-4799-3611-3,2014.

7. "A Comparative study on Reactive or On Demand Routing Protocols in MANETs" International Journal of Computer Applications, ICRTCT (2), pp 15-19, 2013

8. "A cluster based reliable token circulation scheme for group communication in MANET" Arabian Journal of Science and Engineering Vol. 37, Issue 2, pp 647-664, 2012

9. "Distributed Trust Based Authentication Scheme in a clustered Environment using Threshold cryptography for vehicular Ad Hoc Network", International Journal of Business Data and Communications and Networking (IJBDCN), Vol.6, Issue 2, pp. 1-18, 2010

10. "Detection and Prevention of single and cooperative Black hole attacks in Mobile Ad Hoc Networks", International Journal of Business Data and Communications and Networking (IJBDCN), Vol. 6, Issue 1, pp. 38-57, 2010.

11. "Authentic vehicular Environment using a cluster based key management" , European Journal of Scientific Research, Vol. 36, No.2, pp.299-307, 2009.

12. "Mobile Ad Hoc Network Security – A cluster based approach", Journal of Computers, Vol. 20, No.3, pp. 38-46, 2009.

13. "Securing Mobile Ad Hoc Networks through Ant Tree Clustering and Threshold Cryptography", IEEE Digital library, 2006.

Chapters in Edited Books:

International:

1. Handbook of Research on Self-Organized Mobile Communication Technologies: Chapter Title: " Trust based Security schemes in Self – Organized Networks (SON)" – IGI Global Accepted for Publication.

2. Connectivity Frameworks for Smart Devices: The Internet of Things form a Distributed Computing Perspective: Chapter Title: " Internet of Things for Developing Smart Sustainable Cities (SSC): A Security Perspective" (Springer) - In Press

3. Advances in Intelligent System and Computing:, Chapter Title: " A Centralized Trust Completion Model for Secure Group Formation in Military Based Mobile Ad-hoc Networks using Stereotypes" (Springer),Vol No.412,pp.427-438,December, 2015

4. Cloud Computing Technologies for Connected Government, Chapter 10: "Cloud Computing Applications in Education through E-Governance: An Indian Perspective", (IGI-Global), ISSN:2326-9103; eISSN: 2326-9111,ISBN: 978-1-4666-8629-8,ISBN: 978-1-4666-8630-4 (ebook), 2015

5. Next Generation Data Communication Technologies: Emerging Trends, Chapter 6:" Secure Route Discovery in DSR against Black Hole Attacks in Mobile Ad Hoc Networks" , (IGI-Global), pp: 125-143, 2011. ISBN13:9781613504772, 2011

6. Next Generation Data Communication Technologies: Emerging Trends, Chapter 7: " VANET Authentication Using Trust Distribution in a clustered Environment" , (IGI-Global) pp:144-170,2011. ISBN13:9781613504772, 2011

Research Projects Undertaken:

S. No.	Title	Agency	Period	Grant / Amount Mobilized (Rs. Lakh)
1	Trust Based Authentication Mechanism for Mobile Ad-Hoc Network (As PI)	UGC – MRP, New Delhi	April 2013 to March 2017	5,77,000/-
2	Empowering and Engaging Youth for Social Action through Social Media (As Co PI)	RGNIYD, Sriperumpudur	October 2016 to April 2018	8,00,000/-