

ABDUL BASIT

OBJECTIVE

To become a leading researcher to investigate the security issues and challenge and provide the solution using various Mathematical concepts.

RESEARCH INTERESTS

Information security, Cyber security, Cryptographic applications, Secure Multiparty Computations. Specific interests in analysis, design, and application of secret sharing schemes.

SUBJECTS of INTERESTS

Algorithms, Programming & Data structures, Cryptography, DBMS and Computer Networks.

EDUCATION

- 2014 – present **University of Hyderabad**, Hyderabad.
Ph.D. (Pursuing) in Computer Science
Topic: *Design and Analysis of different Multi-stage Multi-secret Sharing Schemes for Information Security Application using various Access Structure.*
Advisors: Dr. V. Ch. Venkaiah, Dr. Salman Abdul Moiz
- 2016 – 2017 **University of Hyderabad, CDVL**, Hyderabad.
PG Diploma in Cyber Laws & IPR, Percentage: 73.37%
- 2010 – 2013 **Jamia Hamdard**, New Delhi.
Master of Computer Application, CGPA: 8.92/10
- 2006 – 2009 **Sikkim Manipal University**, Gangtoke, Sikkim.
Bachelor of Science in Information Technology, Percentage: 76.69%

EXPERIENCE

- 2014 – 2014 **Lecturer**, *Jamia Hamdard*, New Delhi.
- 2013 – 2014 **PHP Developer**, *ibex Solutions*, New Delhi.
- 2009 – 2010 **Web Designer & Developer**, *Zeal infovision*, New Delhi.

PUBLICATIONS

Journal Papers (J) – **Total: 5** (*Published: 5, Submitted: 0*)

Conference Papers (C) – **Total: 4** (*Published: 4, Submitted: 0*)

- J.5 N Chaitanya kumar, **Abdul Basit**, Priyadarshi Singh, V. Ch. Venkaiah: Subgroup Operations in Identity Based Encryption Using Weil Pairing for Decentralized Networks. *IJNS* PP. 1-7, No. 3 (volume 21) (2019).
- J.4 **Abdul Basit**, Patibandla Chanakya, V. Ch. Venkaiah, Salman Abdul Moiz: New Multi-secret Sharing Scheme based on Superincreasing Sequence for Level-Ordered Access Structure. *IJCND* (2019).

- J.3 Appala Naidu Tenu, Bhavani K, **Abdul Basit**, V. Ch. Venkaiah: Sequential Multi secret Sharing Scheme for Level orderd access structure. *IJIT* PP. 1-12, No. 2 (volume 10) (2018).
- J.2 N Chaitanya kumar, **Abdul Basit**, Priyadarshi Singh, V Ch Venkaiah, Y. V. Subba Rao: Node Authentication Using BLS Signature in Distributed PKI Based MANETS. *IJNSA* PP. 33-44, No. 4 (volume 9) (2017).
- J.1 N Chaitanya Kumar, **Abdul Basit**, Priyadarshi Singh, V. Ch. Venkaiah: Lightweight Cryptography for Distributed PKI Based MANETS. *IJCNC* PP. 1-12, No. 2 (volume 10) (2017).
- C.4 **Abdul Basit**, N Chaitanya kumar, V Ch Venkaiah, Salman Abdul Moiz, Appala Naidu Tentu, Wilson Naik: Multi Stage Multi Secret Sharing Scheme for Hierarchical Access Structure . *IEEE ICCCA 2017, Noida* PP. 557-563, (2017).
- C.3 Appala Naidu Tentu, **Abdul Basit**, Bhavani K, V. Ch. Venkaiah: Multi-Secret Sharing Scheme for Level Ordered Access Structures. *International Conference on Number-Theoretic Methods in Cryptology (NuTMiC), Poland* PP. 267-278, (2017).
- C.2 N Chaitanya kumar, **Abdul Basit**, Priyadarshi Singh, V Ch Venkaiah: Proactive Secret Sharing For Long Lived MANETS Using Elliptic Curve Cryptography. *IEEE ICICI 2017, Coimbatore* PP. 33-44,(2017).
- C.1 Nidhi Singh, Appala Naidu Tentu, **Abdul Basit**, V Ch Venkaiah: Sequential secret sharing scheme based on Chinese remainder theorem. *IEEE ICCIC 2016, Chennai*, PP. 1-6, (2016). *Best Paper award.*

TALKS/LECTURES DELIVERED

- 2018 **Data Management through SQL** in Content Enrichment Programme for Post Graduate Teachers (Information Technology and Computer Science of Navodaya Vidyalaya Samiti) at NLI Rangareddy
- 2018 **Multi Secret Sharing Scheme & Various Access Structures**, in the National Instructional Workshop on Cryptology, at Dept. of Mathematics, MNIT Allahabad.
- 2017 **Sequential Multi-Secret Sharing Scheme for Multilevel Access Structures**, in the National Workshop on Cryptology, at Dept. of CSE, NIT Tiruchirappalli.
- 2017 **Introduction to Latex**, for Orientation course at the UGC HRDC, UOH, Hyderabad.
- 2016 **Web page Development**, for Orientation course at the UGC HRDC, UOH, Hyderabad.
- 2016 **Web page, Web tools & ICT Techniques**, for Refresher course in Soft Skill for Professional Excellence, at the UGC HRDC, UOH, Hyderabad.
- 2016 **ICT Techniques**, for Professional Development Programme(PDP) at the UGC HRDC, UOH, Hyderabad.
- 2016 **Web page & Important Security Tools**, for Orientation course at the UGC HRDC, UOH, Hyderabad.
- 2016 **Introduction to MS Office & Overview of Different Techniques**, for Orientation course at the UGC HRDC, UOH, Hyderabad.
- 2015 **Secret sharing Scheme and its applications**, in the PhD Forum, SCIS, University of Hyderabad.

AWARDS and ACHIEVEMENTS

- 2015 Qualified **GATE-2015** with 95 percentile
- 2015 Qualified for **CBSE-NET Assistant Professor**
- 2014 – 2019 Awarded with **MANF Junior Research Fellowship** by UGC New Delhi.

- 2014 Qualified **GATE-2014** with 94 percentile
- 2014 Qualified **CBSE-NET for Assistant Professor.**
- 2014 Qualified **GATE-2014** with 95 percentile
- 2013 Qualified **UGC-NET for Lectureship.**
- 2013 Qualified **GATE-2013** with 95 percentile.
- 2012 Microsoft Digital Literacy Certificate.(Cert. ID: SCA0013111044)
- 2010 – 2013 Selected for **Merit cum Means Scholarship** from MOMA, New Delhi.
- 2006 – 2009 Selected for **Merit cum Means Scholarship** from MOMA, New Delhi.

WORKSHOP/CONFERENCE ATTENDED

- 2018 National Instructional Workshop on Cryptology (NIWC), Dept. of Mathematics, MNIT, Allahabad.
- 2018 One day seminar on Cyber security, C R Rao AIMSCS, UOH, Hyderabad
- 2018 National Workshop on Number Theory and its Application, School of Mathematics, UOH, Hyderabad.
- 2017 Workshop on Secure Multi-Party Computation (SMPC), Dept. of CSE, IIT Bombay.
- 2017 Indocrypt 2017, The Institute of Mathematical Science, Chennai
- 2017 Research Methodology Workshop on Data Analysis using SPSS and Thesis Writing, UOH, Hyderabad.
- 2017 IEEE International conference on Public Key Infrastructure and its Applications (PKIA), CDAC, Bangalore.
- 2017 National Workshop on Cryptology (NWC), Dept. of CSE, NIT, Tiruchirappalli.
- 2017 IEEE International Conference on Computing Communication and Automation (IC-CCA), Galgotia University, Noida.
- 2016 IEEE International conference on Computational Intelligence and Computing Research (ICCIC), Agni college of Technology, Chennai.
- 2016 Workshop on Modern and Quantum Information Security, IIIT Hyderabad.
- 2016 FDP on Foundations of Cryptography , Dept. of Mathematics, NIT, Warangal.
- 2015 Workshop on Mathematical Beauty of Nature, C R Rao AIMSCS, Hyderabad.
- 2015 Indocrypt 2015, Indian Institute of Science, Bangalore.
- 2015 National Workshop on Cryptology (NWC), Dept. of CSE, KIIT, Bhubaneswar.
- 2015 Ramanujan Distinguished Lecture Series, C.R. Rao AIMSCS, Hyderabad, India.

PROFESSIONAL ACTIVITIES

- 2018 Reviewer, **International Journal of Network Security & Its Applications (IJNSA).**
- 2018 Reviewer, **International Journal of Network Security.**
- 2018 Reviewer, **Journal of Security and Privacy.**
- 2017 Technical Program Committee Member, **ICACIE 2017**, Ajmer, India.

- 2017 Reviewer, **International Journal of Computer Networks & Communications (IJCNC)**.
- 2017 Reviewer, **Journal of Information Processing Systems**.
- 2016 Reviewer, **International Conference on Public Key Infrastructure and its Applications (PKIA 2017)**.
- 2015 – 2016 System Administrator, **School of Computer & Information Sciences (SCIS)**, University of Hyderabad.

TEACHING ASSISTANTSHIP (TA)

- 2018 **Programming Methodology Lab** for I.M.Tech., SCIS, University of Hyderabad.
- 2017 **Internet Technology** for MCA, SCIS, University of Hyderabad.
- 2016 **Information Technology Lab** for Int.M.Tech, SCIS, University of Hyderabad.
- 2015 **Data and File System** for MCA, SCIS, University of Hyderabad.
- 2014 **Computational technology** for M.Tech. Bio informatics, SLS, University of Hyderabad.

Online Certification Courses from NPTEL

- 2017 **Internetwork Security** by Department of Computer Science & Engineering, IIT Kharagpur.
- 2016 **Introduction to Research** by Department of Computer Science & Engineering, IIT Madras.
- 2015 **Introduction to Information Security – II** by Department of Computer Science & Engineering, IIT Madras.
- 2016 **Introduction to Cryptology** by Department of Computer Science & Engineering, IIT Roorkee.
- 2015 **Design and Analysis of Algorithms** by Department of Computer Science, IIT Madras.
- 2015 **Introduction to Information Security – I** by Department of Computer Science & Engineering, IIT Madras.
- 2014 **introduction to Programming in C** by Department of Computer Science & Engineering, IIT Kanpur.

COMPUTER SKILLS

- Languages *C, PHP, JS, Java, SQL, Web Designing*
- Software Sage, LaTeX, Sublime, Dreamweaver, Photoshop
- Knowledge
- Platforms Linux, Windows

REFERENCES

Dr. V. Ch Venkaiah

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University of Hyderabad, India.
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Date:

(Signature)

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