Assistant Professor(Contractual)
Department of CS & IT
Maulana Azad National Urdu University
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Dr. ABDUL BASIT

OBJECTIVE

Looking for an Assistant Professor position to share my knowledge and experience with students and help them embark glorious career path.

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 – 2021 **University of Hyderabad**, Hyderabad, India.
Ph.D. in Computer Science
Topic: *Design and Analysis of Multi Secret Sharing Schemes for Various Access Structures.*
Advisors: Professor V. Ch. Venkaiah, Professor Salman Abdul Moiz
RAC Members: Professor Vineet Padmanabhan, Dr. K. Swarupa Rani.

2016 – 2017 **University of Hyderabad**, *CDVL*, Hyderabad, India.
PG Diploma in Cyber Laws & IPR, Percentage: 73.37%

2010 – 2013 **Jamia Hamdard**, New Delhi, India.
Master of Computer Application, CGPA: 8.92/10

2006 – 2009 **Sikkim Manipal University**, *Gangtoke*, Sikkim, India.
Bachelor of Science in Information Technology, Percentage: 76.69%

EXPERIENCE

2019 – till date **Assitant Professor(Contractual)**, *Deparment of Computer Science and Information Techonlogy at Maulana Azad National Urdu University (A Central University)*, Hyderabad, India, `https://manuu.edu.in/`.

2019 – till date **Subject Matter Expert**, *at Solutionsadda one stop solutions for Computer Science*, Hyderabad, India, `https://solutionsadda.in/`.

2014 – 2014 **Lecturer**, *Deparment of Computer Science at Jamia Hamdard*, New Delhi, India.

2013 – 2014 **PHP Developer**, *ibex Solutions*, New Delhi, India.

2009 – 2010 **Web Designer & Developer**, *Zeal infovision*, New Delhi, India.

▬▬ PUBLICATIONS

Journal Papers (J) - **Total: 6** *(Published: 5, Submitted: 1)*
Conference Papers (C) - **Total: 6** *(Published: 6, Submitted: 0)*

J.6 Irfan Alam, **Abdul Basit**, V. Ch. Venkaiah: *A verifiable Multi-secret sharing scheme for Hierarchical Access Structure. ***IJICT*** (2020).

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. ***IJCNDS*** (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.6 Irfan Alam, **Abdul Basit** An Extended Protected Secret Sharing Scheme. ***IEEE UPCON 2019, Aligarh*** PP. 1-4, (2019).

C.5 **Abdul Basit**, V Ch Venkaiah, Salman Abdul Moiz: Multi Secret Sharing Scheme using modular inverse for Compartmented Access Structure. ***ICDECT 2019, Hyderabad*** PP. 1-13, (2019).

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

2020 **A webinar on Cyber Security: Issues, Challenges and Career Opportunities** , in IEEE Education Society Chapter, Hyderabad Section, Hyderabad.

2020 **A Hands-on Session on PHP Programming** , in the MANUU Coding Club Workshop , at Dept. of CS & IT, MANUU Hyderabad.

2019 **A Hands-on Session on Python Programming** , in the MANUU Coding Club Workshop , at Dept. of CS & IT, MANUU Hyderabad.

2019 **Web page, Web tools & IOT**, for Refresher course in Soft Skill for Professional Excellence, at the UGC HRDC, UOH, Hyderabad.

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

2021	Qualified BSTET 2019 for Bihar +2 Senior Secondary School Teacher.
2016 – 2019	Awarded with MANF Senior Research Fellowship by UGC New Delhi.
2014 – 2019	Awarded with **MANF Junior Research Fellowship** by UGC New Delhi.
2014	Qualified **GATE-2014** with 95 percentile
2014	Qualified **CBSE-NET for Assistant Professor.**
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

2019	National Workshop on Block chain Technology, Dept. of CSE, JNTU, Hyderabad.
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 (ICCCA), 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, **IEEE Access**
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, Python, JS, Java, SQL, Web Designing*
Software Knowledge	Sage, LaTeX, Sublime, Dreamweaver, Photoshop
Platforms	Linux, Windows

▬▬▬ REFERENCES

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