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Web of Sc. Researcher ID : AAA-4013-2022

Google Scholar : h-index : 9 ; i10-index: 8

PROFILE

QUALIFICATION	<ul style="list-style-type: none">• PhD in Computer Science and Engineering• M.Tech in Computer Science and Engineering• B.E in Computer Engineering and Information Technology
TEACHING/ RESEARCH/ ESTABLISHMENT EXPERIENCE	23 Years of Teaching and Research Experience
PUBLICATIONS	No. of Conference Papers-19 No. of Research Papers in Journal-34 No. of book Chapters-05
RESEARCH GUIDED	a) Ph.D. :Awarded : 06 ; Submitted :03, Ongoing – 02

	b) M.Tech : Awarded– 20
WORKSHOP/ QIP/ FDP/ SHORT COURSES	31
ACHIEVEMENTS/ RECOGNITIONS AT THE NATIONAL/ INTERNATIONAL LEVEL	<ol style="list-style-type: none"> 1. Patent- 03 2. Book edited-02 3. NPTEL Certifications 4. Best Researcher Award 5. Resource Person-04 6. NPTEL Translator 7. Co-Convener in International Conference 8. Session Chair-04
REVIEWER	International Journals: 05
	International Conferences on: 1
PROFESSIONAL MEMBERSHIPS	<ol style="list-style-type: none"> 1. Life Member, ISTE(Indian Society for Technical Education), membership no-LM85598 2. Computer Society of India (CSI), membership number- I1506061 3. International Association of Engineers (IAENG), membership number: 311619 4. The Society of Digital Information and Wireless Communications, member ID- 2945

RESEARCH INTERESTS

- Information Security
- Light weighted devices
- Cloud Computing
- Database management system
- Block chain
- Data Analytics

SUMMARY OF RESEARCH ACCOMPLISHMENT:

Book edited

- Kavita Agrawal, **Dr Shish Ahmad** & Dr Mohd Arif “Computer Science Advancement” published by Aargon Press, New Delhi with ISBN-978-93-94070-46-2, year 2021.

Certification

- NPTEL Certification on Demystifying Networking from IIT Bombay with consolidated score of 85% with top 5% topper candidate.

Award

- Won Best Researcher Award in the second international scientist award on Engineering, science and Medicine held on 16th and 17th Nov 2019, Visakhapatnam, India organized by VDGGOOD Professional association. Web link- https://www.vdgood.org/award_details/2nd-international-scientist-awards-on-engineering-science-and-medicine

Resource Person

- Conducted FDP as **resource person** on “Big data and its Analytics using CLOUDERA” held from 19-03-2021 to 26-03-2021 at Integral University, Lucknow.
- Delivered **expert Lecture** on “Wireless Sensor Networks” Organized by Dr. Rammanohar Lohia Avadh University, Faizabad under 23rd Convocation week from 4th Sep 2018 to 10th Sep 2018 at I.E.T Faizabad, India.

Other Contributions

- **Translator**- Translated lecture of “Computer Networks and Internet Protocol” from English language to regional language(Hindi) for National Programme on Technology Enhanced Learning (NPTEL), course offered by IIT Madras.
<https://drive.google.com/file/d/13VW4I7uVAYhYXIRnu0QaljorzE0dJrub/view?usp=drivesdk>
- **Co-Convener** of International Conference on Advancement in computer engineering and Information Technology (ACEIT-18) held on 06th and 7th April 2018.
<http://aceit.iul.ac.in/comm.html>
- **Session Chair** of International Conference on Advancement in computer engineering and Information Technology (ACEIT-16) held on 12th March 2016. I have chaired the session on the track “Network & Communication Engineering”.
<http://aceit.iul.ac.in/aceit16/committees.html>.
- **Internal Expert** of Research and Development committee (RDC) of Department of CSE, Integral University, Lucknow
- **Lab establishment**- Played key role in the establishment of Computer Networks Lab, Microprocessor Lab, Big Data lab and IoT lab in the department of CSE. Integral University, Lucknow.

COURSE TAUGHT: COURSES RELATED, BUT NOT LIMITED, TO THE FOLLOWING

- Computer Networks
- Cryptography and Network Security
- Data base management system
- Microprocessor
- Adhoc Sensor Networks
- Data Structure
- Big Data
- IoT

STUDENTS SUPERVISION

A) Ph.D Thesis – 11 – AWARDED, 6 – SUBMITTED, 3 – ONGOING-2.

S.No	Ph.D. Topic	Name of the Candidate	Registration Date	Status

1	ACO based routing for vehicular adhoc network using real time traffic information	Mohd. Arif	08-11-2014	Awarded
2.	Service Mechanism to Reduce Query Latency in iVANET: An Approach to Improve Quality of Service in iVANET	Mohd. Akbar	01-01-2015	Awarded
3	Key Management in Cloud Computing using Secret Sharing Schemes	Shaheen Fatima	25-08-2017	Awarded
4	Outlier Detection in WSN using data entropy	Manmohan Singh Yadav	17-11-2015	Awarded
5	Design and Evaluation of a novel Communication Protocol to improve energy efficiency in Cloud environment	Asish kumar Pandey	25-08-2017	Awarded
6	A conceptual framework for efficient fault Tolerance in Cloud Computing	Anwar Ahmad Sheikh	01-01-2014	Awarded
7	Improving Security and Latency for efficient cloud data management	Sunil Singh	16-08-2018	Pursuing
8	Enhancing data security in cloud using intelligent techniques	Ankita Srivastava	23-10-2020	Pursuing
9	Energy Efficient Routing in wireless sensor networks using Intelligent networks techniques	Rashmi Sonkar	24-10-2020	Pursuing
10	Design and development of machine learning based framework to improve the QoS in IoT networks	Saima Aleem	23-10-2020	Pursuing
11	Design and development of secure and energy efficient cloud system	Niyati Gaur	24-10-2020	Pursuing

B) M.Tech. Thesis – 20 (2012 – till date)

C) B.Tech. Final year Projects – 35

PUBLISHED/GRANT PATENTS

Patent- 03

1. “Key distribution and reconstruction in a distributed system using secure key sharing scheme”, publisher

- “Intellectual Property India”, Journal number– 05/2024, published on 02-02-2024.,
2. ” Energy efficient security mechanism for battery constrained light devices using offline or pre-processing approach”, publisher “Intellectual Property India”, Indian patent Number – 202211001091, published on 14-01-2022.,
 3. ”A MACHINE LEARNING-BASED HOTSPOT PREDICTION SYSTEM IN ELECTRONIC DESIGN AUTOMATION (EDA) APPLICATIONS”, publisher “Intellectual Property India”, Indian patent Number – 202211004640 A, published on 04-02-2022.

PUBLISHED SCI/SCOPUS RESEARCH PAPERS

1. Shahin Fatima & **Shish Ahmad** “Quantum Key Distribution Approach for Secure Authentication of Cloud Servers,” published in International Journal of Cloud Applications and Computing (IJCAC), IGI Global, vol. 11(3), pages 19-32, ISSN 2156-1834 July 2021, indexed in (ESCI), **Web of Science, Scopus, impact factor 0.425** - <https://www.igi-global.com/gateway/article/278739#pnlRecommendationForm>
2. Shahin Fatima & **Shish Ahmad** “Secure and Effective Key management using secret sharing scheme in cloud computing” published in International Journal of e-Collaboration (IJeC) Volume 16, Issue 1 pages 1-15, September 2019, issn 1548-3673, indexed in (ESCI), **Web of Science, Scopus, impact Factor 2.14.** <https://www.igi-global.com/article/secure-and-effective-key-management-using-secret-sharing-schemes-in-cloud-computing/244177>
3. Shahin Fatima & **Shish Ahmad** “An Exhaustive Review on Security Issues in Cloud Computing” Published in KSII Transactions on Internet and Information Systems, vol. 13, no. 6 pp, pages -3219-3237, June 2019, eISSN: 1976-7277 indexed in (SCIE), **Web of Science, Scopus, impact factor 1.35** in. <http://itiis.org/digital-library/manuscript/2418>
4. Saima Aleem & Shish Ahmad “Congestion Avoiding Approach Using Optimization Algorithm for IoT Web Services” published in **International Journal of Intelligent Systems and Applications in Engineering (IJISAE)** | Volume 12 | Issue 4 |Page 519-526| ISSN-2147-6799 , indexed in **SCOPUS**, June 2024. [Congestion Avoiding Approach Using Optimization Algorithm for IoT Web Services | International Journal of Intelligent Systems and Applications in Engineering \(ijisae.org\)](https://www.ijisae.org)
5. Saima Aleem & Shish Ahmad “IoT Application Performance Optimization By Congestion Avoidance Scheme” published in Community Practitioner | Volume 21 | Issue 6 |Page 5894-5899| doi: 10.5281/zenodo. 11666447, , indexed in SCOPUS, June 2024. June 2024 – Community Practitioner (commprac.com)
6. Rashmi Sonkar & Shish Ahmad” Smart Routing Protocol for WSN: An Energy and Load Balancing Platform” published in Journal of Electrical system Volume 20 | Issue 3 |Page 3302-3307| ISSN: 1741-8984 (Print) ISSN: 1112-5209 (Online) indexed in SCOPUS, July 2024.
7. Rashmi Sonkar & Shish Ahmad” Energy and Load Balancing Platform Based Smart Routing Protocol for WSN.” Published in Migration letters, issn:1741-8992(online), Volume 20 | Issue S13 |Page 611-623| ISSN: 1741-8984 (Print) ISSN: 1741-8992 (Online) indexed in SCOPUS, Feb 2024.
8. Rashmi Sonkar & Shish Ahmad “ A Comprehensive Review on Key Routing Protocols in Mobile Ad Hoc Networks” published in NeuroQuantology | Volume

20 | Issue 16 |Page 1-12| doi:10.48047/NQ.2022.20.16.NQ880600, , indexed in SCOPUS, December 2022. https://neuroquantology.com/open-access/A+Comprehensive+Review+on+Key+Routing+Protocols+in+Mobile+Ad+Hoc+Networks_11414/?download=true

9. Anwar Ahamed Shaikh & Shish Ahmad “ Ternate Fault Tolerance in Cloud Environment”, Journal of Xi’an Shiyou University, Natural Science Edition, VOLUME 17 ISSUE 10, page 627-646 , indexed in SCOPUS ISSN : 1673-064X, 2022.
10. Manmohan Singh Yadav & Shish Ahmad “Outlier detection in WSN by entropy-based machine learning approach” published in Indonesian Journal of Electrical Engineering and Computer Science, ISSN 2502-4752, Vol 20. No 3, pages 1435-1443, DEC 2020. indexed in SCOPUS <https://pdfs.semanticscholar.org/d589/153bacd04c19befdfcd36753d9da8c977c5.pdf>
11. Niyati Gaur & Shish Ahmad “Energy Efficient Security Mechanism in Cloud MANET Mobility Model” published in International Journal of Advanced Trends in Computer Science and Engineering, , ISSN 2278-3091, Vol 9. No 2, pages 4437-4450, Aug 2020. indexed in SCOPUS <http://www.warse.org/IJATCSE/static/pdf/file/ijatcse37942020.pdf>
12. Ashish kumar Pandey & Shish Ahmad “Design and Evaluation of a Novel Communication Protocol to Improve Energy Efficiency in Cloud Environment”, published in “International Journal of Grid and Distributed Computing, , ISSN: 2005-4262 (Online), Vol. 13 No. 01, pages1286–1305 July, 2020, indexed in SCOPUS, impact Factor 0.368. <http://sersc.org/journals/index.php/IJGDC/article/view/19374>
13. Ashish kumar Pandey & Shish Ahmad “Performance Evaluation of Interconnection Structures for Data Centers”, “International Journal of Advanced Science and Technology, , pp.4005-4016, ISSN: 2005-4238, Volume.29, No.3, 2020. indexed in SCOPUS. <http://sersc.org/journals/index.php/IJAST/article/view/5156>
14. Mohd Akbar & Shish Ahmad “Fructifying the network performance of iVANET thru a Rectified Associative Service Mechanism: An Algorithmic Proposal” Published in International Journal of Innovative Technology and Exploring Engineering ISSN: 2278-3075, Volume-8 Issue-11, pages 4291-4297, September 2019. Indexed in SCOPUS. <https://www.ijitee.org/wp-content/uploads/papers/v8i11/K20640981119.pdf>
15. Manmohan Singh Yadav & Shish Ahmad “Outlier Detection in Wireless Sensor Networks Data by Entropy Based K-NN Predictor” published in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, page no-5483-5489,Volume-8 Issue-12, October 2019. indexed in SCOPUS <https://www.ijitee.org/wp-content/uploads/papers/v8i12/K22900981119.pdf>
16. Mariyam Fatima, Jameel Ahmad, & Shish Ahmad “Detection And Prevention Of Distributed Denial Of Service Attack Using Choke Packet” published in International Journal Of Scientific & Technology Research Volume 8, Issue 08, August 2019, pages 781-786 ISSN 2277-8616 August 2019, indexed in SCOPUS
17. <http://www.ijstr.org/final-print/aug2019/Detection-And-Prevention-Of-Distributed-Denial-Of-Service-Attack-Using-Choke-Packet.pdf>
18. Ajay Kumar Maurya & Shish Ahmad “IOT Based Model For Smart Monitoring Of

- Network Related Infrastructure Using Integrated Iot Platform (Boltiot)” published in International Journal Of Scientific & Technology Research Volume 8, Issue 08, pages 1764-1769, ISSN 2277-8616, August 2019, indexed in SCOPUS. <https://www.ijstr.org/final-print/aug2019/Iot-Based-Model-For-Smart-Monitoring-Of-Network-Related-Infrastructure-Using-Integrated-Iot-Platform-boltiot-.pdf>
19. Shahin Fatima , Shish Ahmad & P. M. Khan “Certificate Based Security Services in Adhoc Sensor Network”, published in BIJIT - BVICAM’s International Journal of Information Technology Bharati Vidyapeeth’s Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA), Vol 6 issue 2, pages 783-790, ISSN 2511-2104, June 2014, indexed in SCOPUS ,impact factor 0.605.
 20. Shahin Fatima , Shish Ahmad & Siddiqui, Shadab “X. 509 and PGP Public Key Infrastructure methods: A critical review””, published in International Journal Of Computer Science And Network Security, impact score 0.64 Volume 15, Issue 5. Pages 55-59, MAY 30 2015 indexed in Web of Science. http://paper.ijcsns.org/07_book/201505/20150509.pdf

PAPER PUBLISHED IN INTERNATIONAL CONFERENCES

1. Ankita Srivastava & Shish Ahmad” Bio-Computing Based Algorithms for Cloud Security: A Critical Review” accepted and Presented in **IEEE** World Conference on Applied Intelligence and Computing, **AIC 2022** and indexed in **SCOPUS**
2. Mohammad Arif & **Shish Ahmad** “Security Issues in Vehicular Ad Hoc Network: A Critical Survey” accepted and Presented in International conference on Intelligent communication, control and devices at the Department of Electronics and Instrumentation Engineering, University of Petroleum & Energy Studies, Dehradun and Published in SPRINGER book series as book Chapter “Advances in Intelligent Systems & Computing” (AISC) April 2018 indexed by **SCOPUS** and **Web of Science**,. https://link.springer.com/chapter/10.1007/978-981-10-5903-2_53
3. Nishat Bano, Monauwer Alam & **Shish Ahmad** “Energy efficient image compression techniques in WSN” accepted and presented in International conference on Intelligent communication, control and devices at the Department of Electronics and Instrumentation Engineering, University of Petroleum & Energy Studies, Dehradun and Published in SPRINGER book series “Advances in Intelligent Systems & Computing” (AISC), April 2017 indexed by **SCOPUS & Web of Science**. https://link.springer.com/chapter/10.1007/978-981-10-5903-2_113
4. Nishat Bano, Monauwer Alam & **Shish Ahmad** “Performance Evaluation of Wavelet Based Image Compression Techniques” accepted and presented in International conference on Intelligent communication, control and devices at the Department of Electronics and Instrumentation Engineering, University of Petroleum & Energy Studies, Dehradun and published in SPRINGER book series “Advances in Intelligent Systems & Computing” (AISC), April 2017 indexed by **SCOPUS** and **Web of Science**,. https://link.springer.com/chapter/10.1007/978-981-10-5903-2_79
5. Abdul Muttalib Khan , **Shish Ahmad** , Mohd. Haroon “Comparative study of

Trends in security in cloud computing” organized by 2015 Fifth International Conference on Communication Systems and Network Technologies (CSNT), Gwalior, MP, India, 4-6 April 2015, Indexed in **IEEE, SCOPUS and Web of Science**. <https://ieeexplore.ieee.org/document/7279986>

6. **Shish Ahmad**, Mohd. Rizwan beg, Qamar Abbas “Energy Efficient Sensor Network Security Using Stream Cipher Mode of Operation” Presented and published in IEEE International Conference on Computer and Communication Technology (ICCT-2010) in 2010. Indexed in **IEEE and SCOPUS**. <https://ieeexplore.ieee.org/abstract/document/5640501>
7. Shahin Fatima, **Shish Ahmad** & Shadab Siddiqui “Security issues in cloud computing :a survey” accepted and Presented in International Conference on Advancement in Computer engineering and Information Technology (ACEIT-18) held on 6th and 7th April 2018 at Integral University Lucknow and published in International Journal of Advanced research in Computer Science (IJARCS) in volume 9 special issue 2, ISSN: 0976-5697, 2018 <https://www.ijarcs.info/index.php/ijarcs/article/view/6129>
8. Sowmya M.C., **Shish Ahmad** & Preetam Suman“ Congestion avoidance and control mechanisms for manet using aodv protocol: a survey” accepted and Presented in International Conference on Advancement in Computer engineering and Information Technology (ACEIT-18) held on 6th and 7th April 2018 at Integral University Lucknow and published in International Journal of Advanced research in Computer Science (IJARCS) in volume 9 special issue 2, ISBN: 978-93-5311-643-9 DOI:<https://doi.org/10.26483/ijarcs.v9i0April2018>. <https://www.ijarcs.info/index.php/ijarcs/article/view/6130>
9. Anwar Ahamed Shaikh & **Shish Ahmad** “Fault tolerance management for cloud environment: a critical review” accepted and Presented in International Conference on Advancement in Computer engineering and Information Technology (ACEIT-18) held on 6th and 7th April 2018 at Integral University Lucknow and published in International Journal of Advanced research in Computer Science (IJARCS) in volume 9 special issue 2, ISBN: 978-93-5311-643-9 DOI: <https://doi.org/10.26483/ijarcs.v9i0April2018>. <http://www.ijarcs.info/index.php/ijarcs/article/view/6133/4964>
10. Sana Zeba & **Shish Ahmad** “Detection and verification of malicious node in black hole attack using DSA accepted and Presented in International Conference on Advancement in Computer engineering and Information Technology (ACEIT-18) held on 6th and 7th April 2018 at Integral University Lucknow and published in International Journal of Advanced research in Computer Science (IJARCS) in volume 9 special issue 2, ISBN: 978-93-5311-643-9 DOI: <https://doi.org/10.26483/ijarcs.v9i0April2018>. <https://www.ijarcs.info/index.php/ijarcs/article/view/6137>
11. Pratibha Tripathi & **Shish Ahmad** “Energy Efficient Congestion Control mechanism in MANET” Accepted and Presented in the International conference on Advancement in computer engineering and Information Technology (ACEIT-16) held at Integral University, Lucknow and published in International Journal of Computer Science and Information Technologies (IJCSIT) as ACEIT Conference Proceedings, March 2016. <http://ijcsit.com/docs/aceit-conference-2016/aceit201612.pdf>

12. Mohita Dixit, **Shish Ahmad** & Mohd. Arif “Energy Efficient Routing Algorithm in MANET Using Optimized Euler Digraph” Accepted and Presented in the International conference on Advancement in computer engineering and Information Technology (ACEIT-16) held on 12th March 2016 at Integral University, Lucknow and published in International Journal of Computer Science and Information Technologies (IJCSIT) as ACEIT Conference Proceedings, March 2016.
<http://ijcsit.com/docs/aceit-conference-2016/aceit201613.pdf>
13. Shriom Maurya, **Shish Ahmad** & Mohd Haroon “Optimization and Performance Analysis of AODV Routing Protocol in MANET Using AI” Accepted and Presented in the International conference on Advancement in computer engineering and Information Technology (ACEIT-16) held on 12th March 2016 at Integral University, Lucknow and published in International Journal of Computer Science and Information Technologies (IJCSIT) as ACEIT Conference Proceedings, March 2016.
<https://ijcsit.com/docs/aceit-conference-2016/aceit201632.pdf>
14. Vipin Dwivedi & **Shish Ahmad** “Detection and Prevention Methods of Block Hole & Gray Hole Attacks in MANET - A Critical Survey” Accepted and Presented in the International conference on Advancement in computer engineering and Information Technology (ACEIT-16) held on 12th March 2016 at Integral University, Lucknow and published in International Journal of Computer Science and Information Technologies (IJCSIT) as ACEIT Conference Proceedings, March 2016.
<http://ijcsit.com/docs/aceit-conference-2016/aceit201641.pdf>
15. Mohita Dixit, **Shish Ahmad** & Haroon Chaudhary “Implementation of power control management techniques (graph theory and game theory) in mobile adhoc network’ published in International conference of Computer and Mathematical sciences, ISSN 2347-8527 Volume 4 Special Edition, JNU, New Delhi, September 2015.
http://conferenceinfo.org/Prelims_Proceedings_Part_02.pdf
16. **Shish Ahmad** & Mohd. Rizwan Beg “Energy Efficient Multilevel Authentication in Sensor Network”, has been presented and published in International Conference Foundation of Computer Science, WORLDCOMP2013, Las Vegas, Nevada, USA, 2013. <http://worldcomp-proceedings.com/proc/p2013/FCS2871.pdf>
17. **Shish Ahmad** & Mohd. Rizwan Beg “Energy efficient Encryption using Counter mode of Operation in Adhoc Sensor Network”, has been presented and published in International Conference Foundation of Computer Science, WORLDCOMP2013, Las Vegas, Nevada, USA, 2013.
<https://pdfs.semanticscholar.org/6302/eb42a783fb96e644fa271c470d0271ad370b.pdf>

National conference papers

18. Mohd Asghar & **Shish Ahmad** ‘An improved Data Compression Technique using Huffman Coding’, published in National seminar organized by SRMS

CET Bareilly in 2008.

19. Mohd Haroon & **Shish Ahmad** 'An Introduction to Virtual Reality', published in National seminar organized by SRMS CET Bareilly in 2008.
20. **Shish Ahmad** & Mohd. Rizwan Beg 'A General Framework Of Wireless Sensor Networks', published in NCET-2008, National Conference organized by Integral University Lucknow.
21. **Shish Ahmad**, Mohd Asghar Khan & Rashu tripathi 'Public Key Cryptography in Sensor Network with Diffie-Hellman algorithm', published in NCETA-2007 National Conference, organized by Engineering College Ajmer.
22. Jameel Ahmad & **Shish Ahmad** 'Comparison of Artificial Neural Network's Learning Rules', published in NCETA-2007 National Conference, organized by Engineering College Ajmer.

MISCELLANEOUS RESEARCH PAPERS

1. Saima Aleem & **Shish Ahmad** "Unlocking Network Security and QoS: The Fusion of SDN, IoT, and Machine Learning: A Comprehensive Analysis" published in International Journal of Scientific Research in Network Security and Communication Volume-11, Issue-6, E-ISSN:2321-3256, **December 2023**. [Unlocking Network Security and QoS: The Fusion of SDN, IoT, and Machine Learning: A Comprehensive Analysis \(ijrnsc.org\)](https://www.ijrnsc.org)
2. Aaftab Alam & **Shish Ahmad** "Extending Network life time by energy efficient data aggregation in WSN" published in UGC approved "International Journal of Research in Advent Technology" Vol 7, issue 5, pages 250-255, E-ISSN: 2321-9637, UGC Listed Journal Serial No. **48768** May 2019. <http://ijrat.org/downloads/Vol-7/may-2019/742019162.pdf>
3. Ashish Kumar Pandey & **Shish Ahmad** "Energy Optimization in Cloud Computing: A Review" International Journal of Computer Sciences and Engineering, Scholarly, Peer- Reviewed and Fully Refereed Academic Journal Impact Factor: 3.02 and UGC approved pages 249-256, ISSN: 2347-2693 (E) vol 7, issue 2, <https://doi.org/10.26438/ijcse/v7i2.249256>, 2019 . https://www.ijcseonline.org/full_paper_view.php?paper_id=3650.
4. Nishat Bano, Monauwer Alam & **Shish Ahmad** "Energy-Efficient Low Memory Listless SPIHT coder for Wireless Multimedia Sensor Networks" published in Advances in Wireless and Mobile Communications (AWMC), ISSN 0973-6972 Volume 10, Number 5 (2017), pages. 871-883, June 2017. https://www.ripublication.com/awmc17/awmcv10n5_04.pdf
5. Mohammad Arif & **Shish Ahmad** "A Survey on VANET Unicast Routing Protocols". Published in the International Journal of Engineering and Management Research (IJEMR). Pages: 89-94, ISSN (ONLINE): 2250-0758, ISSN (PRINT): 2394-6962. Vol: 6, Issue: 1, . Feb 2016. [http://www.ijemr.net/DOC/ASurveyOnVANETUnicastRoutingProtocols\(89-94\).PDF](http://www.ijemr.net/DOC/ASurveyOnVANETUnicastRoutingProtocols(89-94).PDF)
6. Zaina Khan, **Shish Ahmad** & Shimaila "Development and Analysis of High Data rate quality based secured AODV-RC4 and AODV-RSA in WSN"

published in International Journal of Scientific research and development vol 3 issue 8, pages 316-319, ISSN (online): 2321-0613 on September 2015.
<http://ijsrd.com/index.php?p=Archive&v=3&i=8&start=50>

7. Sabica Ahmad, **Shish Ahmad**, Jameel Ahmad” Development of A Framework for Preserving Private Data in Web Data Mining” International Journal of Technical Research and Applications e-ISSN: 2320-8163, Volume 2, Issue 5 (Sep-Oct 2014), PP. 34-36, 2014.
<https://www.ijtra.com/view/development-of-a-framework-for-preserving-private-data-in-web-data-mining.pdf>
8. Saba Khalid, **Shish Ahmad**, Dr. Mohd. Rizwan Beg “Scalable and Efficient Strategies for Grid based Location Services for Bandwidth Efficient and Energy Conserving Routing in Mobile Ad hoc Network”, International Journal of Engineering Research and Development e-ISSN: 2278-067X, p-ISSN: 2278-800X, Volume 9, Issue 10 (January 2014), PP. 55-62, 2014
https://www.academia.edu/65778142/Scalable_and_Efficient_Strategies_for_Grid_based_Location_Services_for_Bandwidth_Efficient_and_Energy_Conserving_Routing_in_Mobile_Ad_hoc_Network
9. Atifa Parveen, **Shish Ahmad** and Jameel Ahmad “A Solution for Detecting Black Hole Attack Using Improved DRI in MANET”, S-JPSET : ISSN : 2229-7111, pages 67-76, Vol. 6, Issue 1, <https://doi.org/10.18090/samriddhi.v6i1.1555> 2014.
<https://smsjournals.com/index.php/SAMRIDDHI/article/view/1158>
10. Mohd. Rizwan Beg & **Shish Ahmad** “Key distribution techniques in adhoc sensor network using diffie-hellman algorithm: a critical survey”, published in International Journal of Computer Networking, Wireless and Mobile Communications (IJCNWMC); pages 309-319, ISSN (Print):2250-1568; ISSN (Online): 2278-9448; Impact Factor (JCC): 2.5967, 2013
<http://www.tjprc.org/publishpapers/2-3-1362381129-31.Key%20distribution.full.pdf>
11. **Shish Ahmad**, Rizwan Beg, Raziqa Masood, Shahid Hussain “Contribution of Transparent cryptography in prevention of information leakage” Published in International Journal of Engineering Research and Applications (IJERA), Vol. 3, Issue 3, May-Jun 2013, pp.995-999 ISSN- 2248-9622,,having impact factor of 1.69, March 2013.
https://www.ijera.com/papers/Vol3_issue3/FP33995999.pdf
12. Saba Khalid, **Shish Ahmad** & Mohd Rizwan Beg “Position based Routing Protocols for Wireless Ad hoc Networks: A Critical Survey” published in International Journal of Advanced Research in Computer Engineering & Technology (IJARCET) Volume 2, Issue 3, ISSN: 2278 – 1323, pages- 1081-1085, March 2013.
<https://pdfs.semanticscholar.org/a81c/0bc1b67b80eaa8c799214dd450db484489bb.pdf>
13. **Shish Ahmad** & Mohd. Rizwan beg “Energy efficient PKI secure key management technique in wireless sensor network using DHA & ECC”, has been published in International Journal of Ad hoc, Sensor & Ubiquitous Computing (IJASUC) Vol.3, No.1, pages 21-35, 10.5121/ijasuc ISSN-0976-1764 2012. <http://airconline.com/ijasuc/V3N1/3112ijasuc03.pdf>
14. Azhar Ali, Mohd. Rizwan Beg & **Shish Ahmad** & Arshad Ali “Analysis of

Penetration Testing and Vulnerability Assessments with New Professional Approach' has been published in International Journal of computer application Vol. 3, Issue 4, Oct – pages 44-452, ISSN : 0976-8491 (Online) | ISSN : 2229-4333 (Print), December 2012.

<http://ijcst.com/vol34/3/azhar.pdf>

15. Arshad Ali, Mohd. Rizwan Beg & **Shish Ahmad** & Azhar Ali “Evaluation of security risk associated with different network layers’ has been published in International Journal of computer application, Volume 3, Issue 8, August-2012 1 ISSN 2229-5518 Jul 2012.

<https://www.ijser.org/paper/Evaluation-of-security-risk-associated-with-different-network-layers.html>

16. **Shish Ahmad**, Mohd.Rizwan Beg, Qamar Abbas, Jameel Ahmad & Syed Mohd Atif “Comparative Study between Stream Cipher and Block Cipher using RC4 and Hill Cipher”, International Journal of Computer Applications, Vol 1 No 25, pages 465 -770 ISSN 0975 - 8887, having Impact factor of 0.715, 2010.

<http://www.ijcaonline.org/archives/number25/465-770>

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