Dr. Aumreesh Kumar Saxena

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Summary of Experience and Skill

- Over 20 years of experience in sector such as Technical Education, Research, Database design and web site development.
- NBA work coordination.
- NAAC work coordination
- Strong experience and potential in teaching in computer science and engineering and Information Technology.
- Significant Experience in research. 2 SCI Publication, 16 Scopus, 3 patent, 2 Copy right and more than 20 research papers published in reputed journal/conferences and Guided to more than 3 Phd and 10 MTech Scholars.
- Strong general administration.
- Organized and Coordinate National Level Hackathon.
- Coordinate State and National Level event.
- Expertise in website development tools like word-press, HTML, PHP.

Special Achievement

- Successful completion of NBA Accreditation of CSIT Department SIRT Bhopal.
- Successful coordination in completion of NAAC of SIRT Bhopal.

Co-Supervisor

- RNTU University
- People University
- SRK University

HOD in CSIT and Professor

SIRT, Bhopal (1 Jan 2020 to till date)

- Manage day to day task of the Department of Computer Science and Information Technology (CSIT).
- Taught multiple subject to CSIT students.
- NBA work coordination and successful completion.
- NAAC work coordination and successful completion.
- Web site and ERP/SAGE App coordinator. Maintenance and updating SIRT web site and managing to SAGE ERP and APP.
- Plan, organize and manage departmental activity.
- Enhance latest knowledge through participation in seminars, conferences and workshops periodically.
- Organized more than 50+ expert talks and 50+ VACs/Workshop/SWS/SSS for students.
- Organized National Level conference **AIST-2K24**. **AIST-2K23**. **AIST-2K22**. **AIST-2K21**.
- Organized National Level Hackathon **Code-Bite 2k23,** Code-Energeia **2k23, EDU Blockchain Hackathon-2k24.**
- Coordinate **SAGE Utsav 2k23, Technosaga 2k24**
- Participated in online Smart India Hackathon 2021 as an evaluator and expert in grand-finale 2021.

HOD MCA Dept. and Associate Professor in CSE

SIRT, Bhopal (Dec 2019 to 30 July 2020)

- Manage day to day task of the department of computer science and Application.
- Taught multiple subject to computer science, Computer Application and engineering students.
- Web site coordinator. Maintenance and updating SIRT web site.

- Plan, organize and manage departmental activity.

- Enhance latest knowledge through participation in seminars, conferences and workshops periodically.

- Organized National Level conference **NCCIA-2K20**

- Organized 20 expert talks and 4 summer schools for students during lockdown period.

- Participated in online Smart India Hackathon 2020 as evaluator and mentor of Galgotiya University to evaluate MP cyber polish problems

Associate Professor and Co-Head

SIRTS, Bhopal (January 2015 to Nov 2019)

- Taught multiple subject to computer science and engineering students.

- Center superintendent of online exam.

- Web site coordinator. Design web site template for SIRTS. Maintenance and updating SIRTS web site.

- Design and developed SIRTS web site on wordpress and HTML.

- Technical Head in national technical event Hackathon-2016, 2017 and 2018.

- Support to plan, organize and manage departmental activity.

- Enhance latest knowledge through participation in seminars, conferences and workshops periodically.

- College Committee member for NAAC

HOD

SIRTS, Bhopal (June 2010 to December 2014)

- Manage day to day task of the department of computer science and engineering.

- Taught multiple subject to computer science and engineering student.

- Established computer society of india (CSI) student chapter.

- Plan and organized various curriculum events like workshop, expert lecture, industrial visit, value addition courses

- Design and developed daily report system for faculty and staff.

- Assessing student's strength and weakness. Plan and prepare lectures according students need.

- Design and developed SIRTS web site on zoomla tools.

- Coordinator management information system (MIS).

Assistant Professor and Co-Head

SIRT, Bhopal (July 2008 to may 2010)

- M. Tech. coordinator.

- Support to handle day to day task of the department of computer science and engineering.

- Taught multiple subject to computer science and engineering/ Information Technology students.

- Plan and organized technical fest udghos. Approx 1200 students participated from MP in various events.

- Support to plan and organized various curriculum events like workshop, expert lecture, industrial visit, value addition courses

- Assessing student's strength and weakness. Plan and prepare lectures according students need.

- College committee member for NBA

Lecturer

BIST, Bhopal (Feb 2005 to July 2008)

- Taught multiple subject to computer science and engineering/ Information Technology students.

- Support to plan and organized various curriculum events like workshop, expert lecture, industrial visit

- Assessing student's strength and weakness. Plan and prepare lectures according students need.

- Enhance latest knowledge through participation in seminars, conferences and workshops periodically.

- College committee member for NBA

Software Trainee

Broadway Software solution Pvt. Ltd. Bhopal

(January 2004 to December 2004)

- Learned database design and development on live project.

- Learned and prepared software requirement specification (SRS) on live project.

Network Administrator

Linux Solution (july 2003 to December 2003)

- Established server on linux platform
- Manage connectivity between systems in network.

Patent

- Patent is filed and published on "Computer Implemented Method for Semantic Indexing Based Text Classification using Deep Learning". Patent Application No "**201911042141**".
- Patent is filed and published on "System of Personalized physical and mental health monitoring with using IOT sensors network". Patent Application No "**201911041380**"
- Patent is filed and published on "**SEWER CLEANING MACHINE**". Patent Design No "**366102-001**"

Copyright

- Copyright published on Lab Manual "ADA Lab Manual using Python".
- Copyright published "**Paniwala**". Registration Number: L-154785/2024
- Copyright Applied on "Farmer Space" Dairy No 9036/2023/-CO/SW.

Award and Honors

- Performer of the year 2021 ("SAGE Award -Sageian of the year 2021")
- Best HOD 2024 (SGI Award- Excellent Work in the Month)
- Best HOD 2023 (SGI Award- Excellent Work in the Month)
- Best HOD 2022 (SGI Award- Excellent Work in the Month)
- Best HOD 2021 (SGI Award- Excellent Work in the Month)
- Best HOD 2020 (SGI Award- Excellent Work in the Month)
- Beware Award 2017 (Govt. Award-Excellent coordination in PCRT exam by PEB)
- Best Faculty 2016 (SGI Award- Excellent Work in the Month)
- SRIJIN 2013 (Srijin Award- Excellent Teaching)

Hackathon

- Evaluator as a Problem Screening in Manthon 2021
- Expert Evaluator in Grand Finale Manthon 2021
- Expert Evaluator in Grand Finale SIH 2020
- Mentor in Grand Finale SIH 2019
- Networking Coordinator in Grand Finale SIH 2018 and SIH 2017

Membership of Institutions, Associations

- Life Member of CSI,
- Professional Member of ACM,
- Member of IACSIT (Singapore)
- Member of IAENG (Honkong)

Editorial Board

- Reviewer of JCS (Scopus Index)
- Reviewer of JETIR (UGC Approved)
- Reviewer of IJCSIS (UGC Approved)
- Reviewer of AJCST (USA)

Publication Details

Publication Summary:

SCI	Scopus	UGC	DOI Journal	Others	Patent	Copyright
02	16	04	03	06	03	02

SCI Publication (02):

1. Paper on "Design and Development of Mobile Agent Intrusion Detection Based on Artificial Immune System for Distributed Network" is published in May 2020 in ACM Transactions on Multimedia Computing, Communications, and Applications. https://dl.acm.org/doi/abs/10.1145/3378544

2. Paper on ""An Advanced EEG Motion Artifacts Eradication Algorithm" is published in The Computer Journal, https://doi.org/10.1093/comjnl/bxab170 in December 2021

Scopus Journal Publication (01)

1. Ms. Ankita Awasthi, Dr. Vijay Anand Sullare, Dr. Aumreesh Kumar Saxena "Two Layer Security Technique Cryptography and Steganography: A Literature survey" Computer Research And Development (Issn No:1000-1239) Volume 24 Issue 7 2024.

2. Mr. Jayram Dwivedi, Dr. Sitesh Kumar Sinha, Dr. Aumreesh Kumar Saxnea, Dr. Rakesh Kumar A New Survey on Recent Methods in Agriculture Using IOT Computer Research And Development (Issn No:1000-1239) Volume 24 Issue 7 2024.

3. Ankita Trivedi, Dr. Aumreesh Kumar Saxena, M. Arshad, Dr. Sitesh Kumar Sinha, Mr. Shivendra Dubey "Intrusion Detection using Biological Inspired Immune System" International Journal Of Scientific & Technology Research Volume 8, Issue 10, October 2019 Pp:1337-1344.

Scopus Conference Publication (07)

1. *R. K. Singh, A. K. Saxena, A. Jhapate, R. Shrivastava and R. Srivastava, "Automatic and Advanced Identification of Any Vehicle Using Unique Identifiers through OCR and Rest API Colloborative System,"* 2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)*, Greater Noida, India, 2024, pp. 90-94, doi: 10.1109/IC2PCT60090.2024.10486586.*

2. *R. K. Singh, A. K. Saxena, A. Jhapate, R. Shrivastava and R. Srivastava, "Review on Advanced Vehicle Recognition System: OCR and REST API Integration for Efficient Results,"* 2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)*, Greater Noida, India, 2024, pp. 95-100, doi: 10.1109/IC2PCT60090.2024.10486357.*

3. R. K. Nema, A. K. Saxena and R. Srivastava, "Survey of the Security Algorithms over Cloud Environment to Protect Information," *2022 10th International Conference on Emerging Trends in Engineering and Technology - Signal and Information Processing (ICETET-SIP-22)*, Nagpur, India, 2022, pp. 1-6, doi: 10.1109/ICETET-SIP-2254415.2022.9791643.

4. Aumreesh Ku. Saxena ; Sitesh Sinha ; Piyush Shukla "A review on intrusion detection system in mobile ad-hoc network" in International Conference on Recent Innovations in Signal processing and Embedded Systems (RISE) Page s: 549 - 554 India 2017. **DOI:** 10.1109/RISE.2017.8378216

5. Aumreesh Ku. Saxena ; Sitesh Sinha ; Piyush Shukla "A new way to enhance efficiency & security by using symmetric cryptography" in International Conference on Recent Innovations in Signal processing and Embedded Systems (RISE), Page s: 157 - 162 India 2017. **DOI:** 10.1109/RISE.2017.8378145

6. Aumreesh Ku. Saxena ; Sitesh Sinha ; Piyush Shukla "General study of intrusion detection system and survey on agent based intrusion detection system" in IEEE, International Conference ICCCA, Page s: 471 – 421 India. 2017 **DOI:** 10.1109/CCAA.2017.8229866

7. Nivedita Jha ; Aumreesh Ku. Saxena ; Amit Shrivastava ; Manish Manoria "A review on various image fusion algorithms" in International Conference on Recent Innovations in Signal processing and Embedded Systems (RISE),, Page s: 163 - 167 India 2017. **DOI:** 10.1109/RISE.2017.8378146

8. Aumreesh Ku. Saxena ; Sitesh Sinha ; Piyush Shukla "Enhanced and Secure Acknowledgement IDS in Mobile Adhoc Network by Hybrid Cryptography Technique" in Springer, International Conference IDEA2K17, Page:271-279 India 2017. **DOI**: 10.1007/978-981-13-6351-1_17

9. Shivani Saxena; Aumreesh Saxena; Amit Shrivastava; Manish Manoria "Protecting Data Storage on Cloud to Enhance Security Level and Processing of the Data by using Hadoop" International Conference on Advanced Computation and Telecommunication, ICACAT 2018 Bhopal, India **DOI:** 10.1109/ICACAT.2018.8933675

10. Ankit Trivedi, Aumreesh Saxena, Amit Shrivastava, Dr. Manish Manoria "Survey Analysis on Immunological Approach to Intrusion Detection" 2018 International Conference on Advanced Computation and Telecommunication, ICACAT 2018 **DOI:** 10.1109/ICACAT.2018.8933710

11. Shivani Saxena; Aumreesh Saxena; Amit Shrivastava; Manish Manoria "A Security Model for Protecting Data Storage on Cloud to Enhance Security Level by Evasive the Data" International Conference on Advanced Computation and Telecommunication, ICACAT 2018 Bhopal, India **DOI:** 10.1109/ICACAT.2018.8933785.

Scopus Book Chapter Publication (02)

1. Ankita Dayma, Amit Shrivastava, Aumreesh Kumar Saxena, Manish Manoria "Support Vector Machine (Linear Kernel) and Interactive Genetic Algorithm Based Content Image Retrieval Technique" in SPRINGER, International Conference on Recent Advancement in Computer Page: 151-159 India 2017. **DOI:** 10.1007/978-981-10-8198-9_16

2. Aumreesh Kumar Saxena, Vijay Bhandari, Aasif Hasan, Sitesh Kumar Sinha, Piyush Shukla "Design and Development of Symmetric Cipher for Text Data" in SPRINGER, International Conference on Recent Advancement in Computer, Page: 51-61 India 2017. **DOI:** 10.1007/978-981-10-8198-9_6

UGC Approved Journal Publication (04):

1. Aumreesh Ku. Saxena ; Sitesh Sinha ; Piyush Shukla "Implementation of Mobile Agent Intrusion Detection System Based on Significant Parameters" published in ANUSANDHAN- AISECT University Journal Vol. 06, Issue No. 13, Page: March-2018, E-ISSN 2457-0656

2. Hemant Sharma; Aumreesh Ku. Saxena ; Abhigyan Tiwari "Design of Image Steganography & Symmetric Cryptography for Image Hiding by using DWT" publish in ANUSANDHAN- AISECT University Journal Sept-2019, E-ISSN 2457-0656

3. Aumreesh Ku. Saxena ;Mo Arshad; Sitesh Kumar Sinha; Sweta Agrawal "Evaluation of Agent Based Host Intrusion Detection System (AHIDS) through Various Classification Techniques" will publish in ANUSANDHAN- AISECT University Journal Sep-2019, E-ISSN 2457-0656.

4. Hemant Sharma; Aumreesh Ku. Saxena ; Sitesh Kumar Sinha "A Literature Survey of Image Steganography Technique and Conceptual Design of New Security Architecture " Journal of Emerging Technologies and Innovative Research (JETIR) March 2019, Volume 6, Issue 3 ISSN-2349-5162 Pp 483-487;

DOI Journal Publication:

1. Chandrakant Jain, Aumreesh Kumar Saxena " General Study of Mobile Agent Based Intrusion Detection System(IDS)" published in Journal of Computer and Communication (JCC) Vol. 4, No.4, April 2016, Page:93-98, **DOI**: 10.4236/jcc.2016.44008, ISSN: 2327-5227,.

2. Aumreesh Ku. Saxena ; Sitesh Sinha ; Piyush Shukla "Design and Development of Image Security Technique by Using Cryptography and Steganography: A Combine Approach" published in IJIGSP Vol. 10, No. 4, Apr. 2018 Pages: 13-21 **DOI**: 10.5815/ijigsp.2018.04.02, ISSN: 2074-9082

3. Aumreesh Ku. Saxena ; Sitesh Sinha ; Piyush Shukla "Performance Analysis of Classification Techniques by using Multi Agent Based Intrusion Detection System" published in IJCNIS Vol. 10, No. 3, Mar. 2018 Pages:17-24 **DOI**: 10.5815/ijcnis.2018.03.03 ISSN: 2074-9104

Others Journal Publication (02):

1. Aumreesh Kumar Saxena; Sourabh Singh "Proposed Model of Encryption Technique using Block Cipher Concept to Enhance Avalanche Effect" in IJCAT Volume 1, Issue 2, Pp: 78-82, ISSN 2348:6090, March 2014.

2. Sukrati Shrivastava, Amit Shrivastava, Aumreesh Saxena, Manish Manoria "Review of Palm Print Biometric recognition System & their Feasibility" published in International Journal of Research in Technology (IJRT), Vol. IV, No. IV, Pp 53-58, ISSN No. 2394-9007, August 2017

Other Conference Publication (04): -

1. Aumreesh Kumar Saxena "P2P Secured System" in Vision 20-20 at Scope College of Engineering 2007.
2. Aumreesh Kumar Saxena; Divakar Singh"Virtual-Firewall (A Novell Approach to Security)" in International Conference at Geetanjali College Bhopal 2007.
3. Aumreesh Kumar Saxena; Divakar Singh; Mradul Agrawal "AM Algorithm(A Minimum Spanning Tree)" in ACM International Conference on Advances in Computing at anuradha engineering college, chikhli, Distt. Buldana Maharashtra 2008.
4. Aumreesh Kumar Saxena; Parvinder Singh "Design and Development of Encryption Technique" in IEEE International Conference at AISECT University May 2012.

Conferences Attended/Organized
- 15+ Attended

Workshop Attended/Organized
- 35+ Attended
- 50+ Organized for Student

Keynote Lectures Delivered
- 25+

Session Chaired in Conferences
- 10+

Other Responsibility
- **Counselor:** - Appointed by IGNOU Delhi as a counselor for MCA student in Bhopal.

Academic Profile
- **PhD(CSE):** Completed PhD in computer science and engineering on topic "Development of Mobile Agent Based Intrusion Detection System for Local Area Network" From RNTU in 2018, Bhopal (MP)
- **M.Tech(CSE):** Completed M.Tech with honours (77.7%) in computer science and engineering on "" from BU bhopal (MP) in 2008.

- **BE(CSE):** Completed first class BE degree with 68.66% in computer science and engineering on from UIT GGDU bilaspur (CG) in 2003.

Dr. Aumreesh Kumar Saaxena