**Dr. Mahtab Alam  
Associate professor   
Head, Department of Computer Science**



**Noida International University, Greater Noida**

**Email : alam\_mahtab@rediffmail.com**

**Ph: 9911034271**

**PRESENT STATUS:**

* Working with Noida International University (A Private University) Greater Noida, UP, India, as an **Associate** **Professor & Head** in the Department of Computer Science, School of Sciences.

**TEACHING EXPERIENCE:**

* More than **Twenty Two Years** of Teaching and Research experience.

**Ph. D. TITLE:**

**Designing a Security Metrics for Object Oriented Software**

**MAJOR Ph. D. CONTRIBUTIONS:**

* Development of a Secure Requirement Checklist (**SRC**).
* Development and Validation of Degree of Security Assessment Metrics (**DSA**).
* Development and Validation of Security Requirement Assessment Tool (**SRAT**).

**EDUCATIONAL QUALIFICATION:**

* **B. Sc. (Hons.)** Mathematicsfrom Ranchi University. (**1987**)
* **Intermediate** from Bihar Intermediate Education Board. (**1984**)
* **High School** from Bihar Board. (**1982**)

**PROFESSIONAL QUALIFICATION:**

* **Master of Computer Science (M.Sc.)** from Jamia MIllia Islamia, New Delhi (1991).
* **Master of Technology (M.Tech.)** inComputer Science, from JRN Rajasthan Vidyapeeth (2007).

**GLOBAL CERTIFICATION**

* ***Microsoft MTA certified***
* ***Google Analytics Certified***
* ***Certification in Secure Computer User by EC-Council***
* ***Certification in Computer Networks by NPTEL, iON Digital Hub***

**DOCTORAL DEGREE:**

* **Ph.D.** from Mewar University, Chittorgarh, Rajasthan (**2016**).

**AREA OF RESEARCH:**

* Software Engineering (Software Maintainability, Software Security, Software Reliability, Software Quality Metrics).
* Data Mining and Warehousing (Compression of Data)

**PAPERS TAUGHT:**

* Compiler Design
* Computer Graphics
* Theory of Computation
* Systems Programming
* Cryptography and Network Security
* Database Management System
* Software Engineering
* Cloud Computing

**COURSES TAUGHT:**

* Master of Technology (M.Tech.)
* Master of Computer Science and Application (M.C.A.)
* M. Sc. Computer Science (M.Sc.)
* Bachelor of Technology (B.Tech.)
* Bachelor of Computer Science (B. Sc.)
* Bachelor of Computer Application (B.C.A)

**PROFESSIONAL EXPERIENCE**

A total of 25 years with –

1. 21 years in academics with premier engineering and management colleges of NCR affiliated with UPTU and Private University

2. 3.5 years of experience with Software Industries.

3 1 Year, Worked as a Research Assistant in Jamia Millia Islamia, New Delhi.

**PUBLICATION IN NATIONAL CONFERENCE PROCEEDINGS:**

1. Raees Ahmad Khan, **Mahtab Alam** and Abdul Wahid, “***Reducing Software Maintenance Cost and Effort-A Metric Prospective***” Proceeding of the National Conference Recent and Future Trends of Information Technology, RAFIT-05, Patiala, March 2-3, 2005, pp-198-200.
2. **Mahtab Alam** and Raees Ahmad Khan “***Improving Maintainability using Bug Convergence Model***”, Developer IQVol.5 No.5 pp. 68-72, 2005

3. Prashant Johri and **Mahtab Alam** “***Software Security Attack and Its Classification***” in the proceedings of National Seminar organized by FISAT, Ernakulam, 10-12 Aug.2007.

4**.** Sunil K. Khatri, Prashant Johri, Jatendra Pundir, **Mahtab Alam**, *“****E-Governance on rural connectivity and north east state*”, Proceeding of 2nd National Conference on Emerging Trend in Computer Science & Information Technology, ETCSIT, Al Falah Engineering College, April 18, 2009**

**5. A. K. Srivastava, Priyanshu Kumar, Mahtab Alam “*Ten Commandments: Prevention of Data Loss*” Procedding of Nation Conference on Challenges For Organizations In Dynamic Business Environment” IIMT, Greater Noida, 23rd April, 2010.**

**PUBLICATION IN INTERNATIONAL CONFERENCE PROCEEDINGS:**

1. S. K. Pandey, **Mahtab Alam**, S. I. Ahson: “***TCSEC-A Critical Review***”, Proceedings of the IEEE Sponsored International Conference on Advanced Computing and Communications (ICACC 2007), Madurai, India, Feb 9-10, 2007 pp 599-602.

2**.** S. K. Pandey, **Mahtab Alam**, M. Mehrotra, S. I. Ahson: “***A Comparative Study of IT Security Standards***”, Proceedings of the First International Conference on Information Processing (ICIP 2007), Bangalore, India, Aug 10-12, 2007, pp 124-133.

3. M. U. Bokhari, **Mahtab Alam** “***Software Security Policy Architecture***” Proceedings of the IEEE Sponsored International Conference on Computational Intelligence and Multimedia Application, ICCIMA’07, 13-15 Dec.2007, and IEEE, Volume-4, pg.. 120-122 (**IEEE Xplore**).

4 **Mahtab Alam**, Prashant Johri, Ritesh Rastogi, Sunil K. Khatri, Raj Kumar Goel**, “*Requirement Tools for Secure Software – A Comparative Study*”,** Proceedings of Intl. Conference on Reliability, Infocom Technology and Optimization, (ICRITO-10), Nov. 1-3, 2010, pp 231-241.

5Sunil Kumar Khatri, Prashant Johri, Yatindra Singh Pundir, **Mahatb Alam, “*Fundamental Practices for Secure Software Development Life Cycle (SDLC) with Software Testing Concept*”,** Proceeding of International Conference on Reliability, Infocom Technology and Optimization, (ICRITO-10), Nov. 1-3, 2010, pp 324-331.

6. M.U. Bokhari, **Mahtab Alam,** "***Design Secure Object Oriented Software***", proceeding of the IEEE sponsored Intl. Conf. ICARET 2013,8-9 Feb 2013 and IEEE Xplore.

7. M.U. Bokhari, **Mahtab Alam**, “***Modular Test Plan for Inference on Software Maintenance Based on Markov Model***”, Proceeding of the IEEE sponsored intl. conf. ICSC-2013 (March 06-08, 2014) (IEEE Xplore).

8. **Mahtab Alam**, Nirmal Sharma, **“*Impact of Information and Computer Technology in Agriculture***”, Proceeding of Global Agriculture and Innovation Conference GAIC 2016, Nov 27-29, 2016, pp-43-45.

9. Nirmal Sharma, **Mahtab Alam**, **“*Use of Big data in Agriculture Issue***”, Proceeding of Global Agriculture and Innovation Conference GAIC 2016, Nov 27-29, 2016.

**PUBLICATION IN INTERNATIONAL PEER REVIEWED JOURNALS:**

1. M. U. Bokhari, **Mahtab Alam** “***SQL Injection and its Prevention Technique***” in an International Journal IIMT Business Review, Volume-1, No.-3, Jan-June 2009., ISSN No. 0975-0916.
2. M.U. Bokhari, **Mahtab Alam**, “***Threat Model: A Path of Secure Design”***, Intl. Journal of Technology and Applied Science,(IJTAS), Vol.-1, No.2 Jan – Jun 2010, pp-4-10, ISSN No. -0976-1349.
3. Mahtab Alam, “***Software Security Requirement Checklist”,*** International Journal of Software Engineering, Vol 3, No. 1, January 2010, pp-53-62.
4. **Mahtab Alam**, Prashant Johri, Ritesh Rastogi, ***“Buffer Overrun: Techniques of Attack and Its Prevention”*** Intl. Journal of Computer Science and Emerging Technology (IJCSET), U.K., Vol.-1, Issue-3, Oct. 2010, ISSN No. -2044-6004.
5. **Mahtab Alam**, M.U. Bokhari, “***Cross Site Scripting (XSS) Attack and its Mitigation Technique”*** IICMR Research Journal i4c, India,Vol.-5, No.2 Jan – Jun 2011, ISSN# 0975-2757.

6. Rohit Chaudhary, Prashant Johri, **Mahtab Alam** and Manoj Kumar Pachariya,”***A Review at Design Phase Perspective to Threat Modeling”***, Vol. -3, No.-6, VSRD Intl. Journal, p-ISSN-2319-2224, June-2013, pp-249-256.

7. M.U. Bokhari, **Mahtab Alam**, “***Quality, Category and Characteristics of Secured Requirement***”, International Journal of ICT and Management, Vol. 1, Issue-3, October-2013, pp.163-170.

8. M.U. Bokhari, **Mahtab Alam**, "***Security Requirement for Software Quality - A Survey for Engineering Discipline”***, International Journal of ICT and Management, Vol. -II, Issue -2, October 2014, pp. 125-133.

11**.** M. U. Bokhari, **Mahtab Alam**, "***Security Requirement Checklist-Hypothetical Testing***", International Journal of Modern Electronics and Communication Engineering (IJMECE), Volume No.-2, Issue No.-6, November, 2014, pp. 11-16.

12. Amit Kumar Vishwakarma, **Mahtab Alam**, “***Interactive Precedence of Test Cases in a Scenario Using Genetic Algorithm***”, Intl. Journal of Computer Science and Information Technology, Vol. 4 Issue 5, May 2015, pp. 202-208.

13. Prafull Kumar Singh, **Mahtab Alam**, Shikha Tyagi, “***Image Encryption Technique Based on Permutation and Combination***”, International Journal of Computer Science and Mobile Computing, IJCSMC, Vol.-4, Issue-6, June 2015, pp-1112-1120.

14. Neeta Sharma, **Mahtab Alam**, Mayank Singh, “ ***Denial of Service: Techniques of Attacks and Mitigation*”,** Journal of Computer Science Engineering and Software Testing, Volume 1 Issue 2, 2015, pp: 1-14.

15. Neeta Sharma, **Mahtab Alam**, Mayank Singh, “***Web Based XSS and SQL Attacks on Cloud & Mitigation*”,** Journal of Computer Science Engineering & Software Testing, Volume 1 Issue 2, 2015, pp: 15-24.

16. **Mahtab Alam**, “***Object Oriented Software Security-Goal Question Metrics Approach***”, “International Research Journal of Computer and Electronics Engineering, March 2017. Vol.-V, Issue-I, ISSN NO. -2329-874X.

17. **Mahtab Alam**, Owais Shah, “***A Study on Cloud Security Growth Model using Non Homogenous Poisson Process***”, Compusoft, An International Journal of advanced computer technology, Volume –VI, Issue-VII, 2017, pp-2378-2380.

**PUBLICATION IN NATIONAL PEER REVIEWED JOURNALS:**

1. **Mahtab Alam**, Nirmal Sharma, Prachi Juyal, “***Software Concept and Methodologies for Designing and Object Oriented Software”*** NIU Journal of Science & Technology, Volume 3, Issue 1, June 2015, pp: 11-19.

2. Nikunaj Bhardwaj, **Mahtab Alam,** “**Characterization of Different Verrucous Mucosal Lesions”** NIU Journal of Science & Technology, Volume 3, Issue 1, June 2015, pp: 1-4.

3. **Mahtab Alam,** Nirmal Sharma, Prachi Juyal, **“**Designing an Object Oriented Software for better Maintenance Using Software Maintenance Life Cycle”, NIU Journal of Science & Technology, Volume 4, Issue 1, June 2015, pp: 1-6.

4. Prachi Juyal, Nirmal Sharma**, Mahtab Alam, “*On Extension of Semi Commutative Modules”,*** NIU Journal of Science & Technology, Volume 4, Issue 1, June 2015, pp: 34-36.

**BOOKS PUBLISHED**

1. Information Security and Cryptography, Bookshelf Publication House, New Delhi, in 2010.
2. One Chapter, **“Design a Secure Object Oriented Software Using Software Development Life Cycle”**, Bulletin of Electrical Engineering and Informatics, 2012, ***pp-23-28, ISSN # 2089-3191.***
3. Fundamental of Information Technology, Visual Soft Publication Pvt. Ltd. in 2017, ISBN No. 978-93-86258-69-4

**SEMINAR / CONFERENCES / WORKSHOPS / MDP / FDP ATTENDED**

1. International Conference on Computational Intelligence and Multimedia Application (ICCIMA 2007), December 13-15, 2007, Madurai, India.

2. International Conference on Advanced Computing and Communications (ICACC 2007), Madurai, India, Feb 9-10, 2007.

3. International Conference on Information System Security, ICISS, December 17-21, 2006, Kolkata.

4. National Seminar organized by FISAT, Ernakulam, 10-12 Aug.2007.

5. National Conference on Security Issues in e-commerce, Aligarh, India, Mar 10th, 2007.

6. National Conference Recent and Future Trends of Information Technology, Patiala, 5–6 March 2005.

7. Organized 3 days International Conference on BRICS ***Agenda for Cooperation*** in INMANTEC, December 5-7, 2007.

8. Conducted 3 days Faculty Development Program in Noida International University in July 21-23, 2014.

9. Attended 3 days Faculty Development Program at Noida International University, .Net Platform on 21-23 July 2014.

10. Organized a One day seminar and Science exhibition on Science day 26th Feb. 2016 at Noida International University.

11. Attended 5 days Faculty Development Program at Ducat Training Centre, .Latest Technology on Computer Science, 23-28 May 2016.

12. Attended and Organized 6 days Faculty Development Program at Noida International University on Android Application, Aug. 29- Sept. 03, 2016.

13. Attended as a panel speaker in ICT Conclave on 11th Nov. 2016.

14. Attended 2 days Faculty Development Program at Bhartiya Vidyapeeth Institute of Computer and Management, ***Leveraging Technology for Quality Education***, 27-28 January 2017.

**NATIONAL AND INTERNATIONAL RECOGNITION**

1. Attended as **C*hief Guest*** and deliver a lecture notes on “***Pattern Recognition: Design Cycle and Approaches***” in ICICT April-2012, New Delhi, Organized by IRnet.

**URL: http://www.interscience.ac.in/Highlights/ICICT\_DelhiHighlight/index.htm**

1. Reviewer of the International “Requirement Engineering Journal (Springer), U.K.
2. Associate Member of Universal Association of Computer & Electronics Engineers (Membership No. Am1002697).
3. Member of International Association of Engineers (IAENG) membership No. – 142308.
4. Fellow member of International Society of Research and Development, membership Id =F3140900212.
5. Associate Editor of International Journal of Research in Advanced Engineering and Technology, Ref NO. AKINIK/LM/39
6. Editorial Board Member in A R Research Publication & Conference World, Ref No. CW/2017/748

**WORK EXPERIENCE**

1. **Aug 18, 2013 - Present**

Organization : Noida International University, Greater Noida

Designation : Associate Professor and Head (CS & IT)

Job : Teaching in B.Tech. , M.Tech..and Ph.D. Classes.

1. **Aug 09, 2010 – Aug, 15, 2013**

Organization : Aryabhatt College of Engineering, Baghpat

Designation : Associate Professor and Head. Of Dept. (CS & IT)

Job : Teaching in B.Tech. Classes.

1. **Feb. 24, 2009 – July 31, 2010**

Organization : Advance Institute of Management, Ghaziabad

Designation : Sr. Lecturer

Job : Teaching in MCA, BCA and MBA classes.

1. **June 18, 2007 – Dec. 31, 2008**

Organization : Integrated Academy of Management and Technology,

Designation : Sr. Lecturer

Job : Teaching in MCA and PGDM classes.

1. **June 1, 2006 – May 31, 2007**

Organization : Jamia Millia Islamia

Designation : Research Assitant

Job : Work on a Govt. funded project

1. **June 16, 2001 – May 30, 2006**

Organization : Ishan Institute of Management & Technology,

Designation : Lecturer, Computer Science

Job : Teaching in MCA and PGDM Classes.

1. **July 1, 1996 – April 30, 2001**

Organization : **Career in Computer Management, New Delhi**.

Designation : Lecturer, Computer Science

Job : Teaching Computer Programming Languages.

1. **Dec. 8, 1992 – March 31, 1996**

Organization : **Al Shdaif Trading Est., Riyadh, Saudi Arabia**.

Designation : Computer Programmer

Job : Programming in Oracle and Power Builder.

**ADMINISTRATIVE WORK:**

* Head, Department of Computer Science, Noida International University, Greater Noida, UP, 2013 to continue
* Head, Dept. of Computer Science Engineering, Aryabhatt College of Engineering & Technology, Baghpat, UP, 2010-2013
* Senior Associate Editor of NIU Journal of Science and Technology.
* Assistant Centre Superintendent, University End Term Exam (2016-2017), Noida International University.

**CURRICULUM DESIGN:**

* Designed 2 Years M. Sc. (Computer Science) courses for the Department of Computer Science, Noida International University (A Private University) Greater Noida.
* Designed 2 Years M. Tech. (Software Engineering) courses for the Department of Computer Science, Noida International University (A Private University), Greater Noida.
* Designed a curriculum for 5 Years Integrated Course (BCA & MCA), Noida International University 2001-17.

**PERSONAL DETAIL:**

Father’s Name : Mr. Maqbool Hussain Marital Status : Married

Religion : Islam Passport No. : Z4085557

Date of Issue : 13 April 2017 Date of Expiry: 12 April 2027

Present Address: I-545, Alpha-II, Greater Noida, G.B. Nagar, U.P-201308, India

Permanent Address: Dr. Mahtab Alam, Adj. St. Augustin School, Pugmil Road, Hazaribagh

**Dr. Mahtab Alam**

Date and Place