

Dr. AHMED MUDASSAR ALI, B.E., M.E., Ph.D.,
 Professor & Head,
 Department of Information Technology,
 S.A. Engineering College, Chennai-77.

Professional Experience:

Period of work	No. Of years	Position held
June 2018 – Till Date	4.6 years	Professor & Head Department of Information Technology, S.A. Engineering College, Chennai
Aug 2011- May 2018	6.10 years	From 10-01-2012 Promoted as HOD Associate Professor, Department of Information Technology, S.A. Engineering College, Chennai.
Jul 2006 – Jul 2011	5 years	Assistant Professor, IT, S.A. Engineering College, Chennai.
Jun 2001 – Jun 2006	5 years	Lecturer, CSE, S.A. Engineering College, Chennai.
Jul 2000 – Jun 2001	1 year	Lecturer, The New College, Royapettah, Chennai.
Jul 1999 – May 2000	1 year	Lecturer, Mohamed Sathak College of Arts & Science, Chennai.

Total Experience (Industry & Academic) : 23.4 Years.

Academic Profile:

Qualification
Stream

: **B.E., M.E., Ph.D.**
 : Computer Science & Engineering.

Courses Taught:

Computer Architecture, Object Oriented Programming(OOPS), Software Design, Operating Systems,
 Software Engineering, OOAD, Fundamentals of Computing, Software Project Management,

Cryptography and Network security, Database Management Systems, Data Structures using C, Programming in C & Java, Professional Ethics in Engineering, Total Quality management.

Courses (Software) Studied:

- Studied Oracle, Developer 2000 & VB in CSI.

Research interests:

Web Mining, E-Learning, Web Services & Knowledge Management

Grants Received:

Ø **Convener for AICTE sponsored STTP on AI and Machine Learning (Nov 2020, Rs.3, 00,000/-) November 2020.**

Ø **Convener for ICMR sponsored Workshop on “Artificial Intelligence and Deep Learning Approaches for Intelligent Clinical Decision Support Systems in Healthcare”(Rs.50,000/-), December 2021.**

Ø Received a grant of **Rs.974314/-** as Grant-in-Aid under the Modernization and Removal of obsolescence (**MODROB**) for the year 2019-20.

Ø **Coordinator** for Conduct of Entrepreneurship Awareness Camp for grant received from DST – NIMAT (Rs.40000/-) 2018.

Proposals sent:

Data Science & Machine Learning For Medical Health, AICTE, Rs.7, 00,000, November 2018

Papers Published in Scopus indexed &SCI Journals:

1. Ahmed Mudassar Ali, S. Soundararajan et al, “Modified Adhoc On-Demand Distance Vector for Trust Evaluation And Attack Detection”, Intelligent Automation & Soft Computing , vol.36, no.2, Jan 2023.
2. Ahmed Mudassar Ali, “IOT based pollution monitoring system with Block Chain”, International Journal of Psychosocial Rehabilitation, Volume 4, Issue 28, June 2020.
3. Ahmed Mudassar Ali, Veena et al., “Adopting Block Chain Technologies in Cloud for Efficient Data Storage and Enhanced Security”, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-2S8, August 2019.
4. Ahmed Mudassar Ali , N. Partheeban, “ Face Detection Attendance System Using RFID with Improved Facial Image Comparison”, International Journal of Advanced Research Trends in Engineering and Technology, Special Issue 1, January 2018
5. Ahmed Mudassar Ali , N. Partheeban, “ Cloud Based Secure Storage Management For Dynamic Groups”, International Journal of Advanced Research Trends in Engineering and Technology, Vol. 5, Special Issue 1, January 2018
6. Ahmed Mudassar Ali , N. Partheeban, “Intelligent Content Recommendation System for e learning Using Social Network

Analysis”, Journal of Computational and theoretical Nano science, Vol. 15, 1–8, 2018

7. Ahmed Mudassar Ali , N. Partheeban, “ A Conceptual Analysis: Adaptive Learning Environment Using Ai Techniques”, International Journal of Pure and Applied Mathematics, Volume 118 No. 10 2018, 353-362

8. Ahmed Mudassar Ali and M. Ramakrishnan, “Search Result Based Web Personalization Using XML Data with RPSO Clustering Algorithm”, International Journal of Control Theory and Applications (IJCTA), Volume-9, Issue-36, pp. 281-289, 2016.

9. K. Sudharson, Ahmed Mudassar Ali, N. Partheeban, “Nuitech - Natural User Interface Technique Formulating Computer Hardware”, International Journal of Pharmacy & Technology Vol. No: 8, Issue No: 4, Paper No: 23598-23606, 2016.

10. Ahmed Mudassar Ali and M. Ramakrishnan, “Equipped Search Results Using Machine Learning from Web Databases”, Research Journal of Applied Sciences, Engineering and Technology, Volume-10, Issue-3, pp. 267-273, ISSN: 2040-7459, 2015.

11. Ahmed Mudassar Ali and M. Ramakrishnan, “Web Personalized Index Based N-GRAM Extraction”, International Journal of Inventive Engineering and Sciences (IJIES), Volume-3 Issue-3, ISSN: 2319–9598, pp. 6-9, 2015.

12. Ahmed Mudassar Ali and M. Ramakrishnan, “A Novel Approach for Knowledge Extraction Using Ontology Construction Method”, International Journal of Inventive Engineering and Sciences (IJIES), Volume-3 Issue-4, ISSN: 2319–9598, pp. 3-8, 2015.

Paper(s) in the pipeline:

“Blockchain based lightweight authentication approach for multiple wireless sensor network”, Computers & Security, Elseiver (SCIE, Scopus indexed).

Memberships in Professional Bodies / Learned Societies:

S. No	Professional Bodies / Learned Societies	Membership Details
1	Indian society for Technical Education (ISTE),2001	Life Member- LM32113
2	Computer Society of India (CSI),2011	Member- N1227588

National / International Conferences:

1. " Internet of Things Assisted Block chain based Secured Cloud Data Maintenance Scheme", International Conference on Advances in Computing, Communication and Applied Informatics, St. Joseph's College of Engineering, January, 2022, Chennai
2. " A Novel Voice Assisted Internet of Things based Residential Automation Scheme with Learning Support " International Conference on Advances in Computing, Communication and Applied Informatics, St. Joseph's College of Engineering, January, 2022, Chennai.
3. " An Improved Internet of Things enabled Wireless Data Transmission using Visible Light Communication ", International Conference on Advances in Computing, Communication and Applied Informatics, St. Joseph's College of Engineering, January, 2022, Chennai
4. "Efficient Data Transmission Scheme using Modified Wireless Communication Protocol Design", International Conference on Advances in Computing, Communication and Applied Informatics, St. Joseph's College of Engineering, January, 2022, Chennai
5. "UIPS: A Novel Image Resolution and Clarity Enhancement Scheme for Underwater Image Processing Scheme", International Conference on Advances in Computing, Communication and Applied Informatics, St. Joseph's College of Engineering, January, 2022, Chennai
6. "Cloud Based Storage Management for Dynamic Groups", International Conference in Computing & Communications ICCETCC, Sriram Engg. College, January 2018
7. "Face Detection Attendance System Using RFID with Improved Facial Image Comparison", International Conference in Computing & Communications ICCETCC, Sriram Engg. College, January 2018.
8. "A Conceptual Analysis : Adaptive: Learning Environment using AI Technique", National Conference on "Emerging Trends in Mathematical Sciences" NCETME 2017, SA Engg. College, December 2017.
9. "EVALUATION OF COMPARATIVE RISK INFORMATION USING RISK SCORE FUNCTIONING", National Conference on Cutting Edge Technologies in Computing, Sriram Engg. College, March 2016.
10. "Phone theft detection & continuous tracking with User Profile Recording using Android", National Conference on Novel Computing, SMK Fomra Inst. Of Technology March 2016
11. "Configuring BlueStars: Multihop Scatternet Formation for Bluetooth Networks", National Conference on Recent Trends in IT(NCRTIT '05), Jaya Engg. College, Feb 2006.

Patents Published:

- Patent Published “Exploring challenges and implementation of AI for developing environmentally sustainable logistics” Registration Number: **202241067433**
Published Year: 23/12/2022
- Patent Published “Surgical Treatment of Skull via 3D navigation aid using visual analytics and machine learning approach” Registration Number: **202241006395**
Published Year: 25/2/2022

FDP/Seminar/Workshop/STTP attended:

1. Attended Two Day National Level **Workshop** on “Recent Advanced trends in Mobile Computing” conducted by S.A Engineering College, during 12th -13th November 2007.
2. Attended Two Day National Level **Workshop** on “Six Sigma Process” conducted by S.A Engineering College, during 7th -8th February 2008.
3. Participated in National **Workshop** on “Neural Networks and Data Mining” held on 5th & 6th September 2012 organized by Department on Computer Applications, S.A. Engineering College.
4. Participated in the **Workshop** on “Latex for Researchers” organized by the School of computing science and Engineering , VIT Chennai on 20th September 2014.
5. Attended one day **Workshop** on SAP organized by Department of Computer Applications , S.A. Engineering College, held on 12th September 2014
6. Attended ISTE Two Weeks **Short Term Training Programme** On “ Development Of High Impact Teaching Skills In Engineering Teaching at S.A. Engineering College, Chennai during 26-10-2015 to 07-11-2015
7. Attended 3 days Staff Development Programme on “Hadoop based data analytics” 2016 held at Sri SaiRam Engineering College, Tambaram, Chennai during 30-06-2016 to 02-07-2016
8. Attended 3- Days Value Added Course on “Hands on Training in Virtualization and Cloud Computing during 12-07-2016 to 14-07-2016 held at S.A. Engineering College, Chennai.
9. Workshop on “Latex for Researchers”, School of Computing Science and Engineering, VIT, Chennai, 20-09-2014
10. FDP on Recent Trends in Computer & Communication 31-08-2012
11. FDP on “Design and Analysis Algorithm” on 11-12-2014 & 12-12-2014
12. FDP on “Recent Trends in Wireless Sensor Networks” 17-12-2014 to 23-12-2014
13. Workshop One week Hands on training on PHP & web Development 25-5-2015 to 31-05-2015
14. STTP on Cloud Infrastructure and Services 22-06-2015 to 26-06-2015
15. FDP on Mobile Application Development Laboratory 21-12-2015 to 28-12-2015
16. FDP on Data Science and Big Data Analytics 04-01-2016 to 08-01-2016 at Panimalar Institute of Technology (ICTACT)
17. STTP Development of High Impact Teaching Skills in Engineering Teaching 26-10-2015 To 06-11-2015
18. One week FDP on CISCO modules (Routing & Switching) 20-06-2016 TO 25-6-2016.
19. Value added course on “Hands on training in virtualization and cloud computing”.
20. Two days National Workshop on Internet of Things (IOT) the future technology 24-10-16 & 25-10-16.
21. Three days DST sponsored workshop on Data Science & Big Data Analytics 19-12-16 to 21-12-16

22. FDP on Python Programming, SAEC, June 8th to 10th 2017
23. Research Summit on Computational Intelligence in Association with IEEE CIS Madras Chapter, VIT University, June 20-21, 2017.
24. FDP on AI , Deep Learning & Computer Vision, Veltech Inst. of Science & Tech., 3.12.18 to 9.12.18

Conferences, Short-Term Training Programs & Workshops Organized:

1. Organized Two Day National Level Workshop on “**Recent Advanced trends in Mobile Computing**”, during 12th -13th November 2007.
2. Organized one day National conference on “**High Performance Computing (HiperCom 2008)**”, during Jan24th -25th 2008.
3. Organized Two day National conference on “**High Performance Computing (HiperCom 2009)**”, during 20th Feb 2009.
4. Organized **National Level Students Technical Symposium** 2006, 2007, 2008, 2009, 2010 in Odd / Even Semesters.
5. Organized one day National conference on “**High Performance Computing (HiperCom 2010)**”, during 18th Feb 2010.

Contributions / Achievements:

- Ø Session Chair and Keynote Speaker in International Conference “IEEE Technological Innovations in ICT for Agriculture and Rural Development”, Department of Information Technology, Easwari Engineering College, Chennai.
- Ø Produced **100% results 8 times** from date of joining.
- Ø **Promoted as Assistant Principal from October 2019.**
- Ø Promoted to **HOD of Information Technology Department 2009-May 2011.**
- Ø Received **Best Department Award** during 2010 while acting as **HOD.**
- Ø Conducted **National Level Students’ Technical Symposium 2006-2012.**
- Ø As an organizer conducted **Conference 2008-2014** every year.
- Ø **Project Mentor & Counselor for students** to motivate them in academics.
- Ø Motivating the Students to present the **Papers in the National / International Conferences & National / International Journals.**
- Ø As a member organized **College Day, Sports Day, Annual Day and Graduation Day from the Year 2002 -2011.**
- Ø Active participation in **Anna University Inspection, ISO Internal Auditing, NBA and NAAC Inspection.**
- Ø Acting as **NBA coordinator for IT department** from 2007.
- Ø Acting as overall **NBA coordinator for the college from 2011.**
- Ø Acting as overall **NAAC coordinator for the college from 2014.**
- Ø Acted as **ISO coordinator for IT department** from 2005.
- Ø Acting as **Assistant HOD** for monitoring all department Activities from 2003-09, 20012-16.
- Ø Received an appreciation certificate for **Continuous service (>13 Years)** in S.A. Engineering College.

Ø Received a grant of Rs.20,000 for conducting national conference on “Ultra-Modern Techniques in Information , Communication and Engineering” from CSIR organization on March 8th 2013.

Responsibilities in the College/Department:

S. No	Responsibilities	Year
1	HOD / IT Department	Currently
2	Project Coordinator	2004 - 2005, 2005 - 2006, 2007 - 2008, 2009 – 2010, 2011- 2012, 2012- 2013
3	Faculty Advisor	From 2004 – till date
4	Dept. ISO Coordinator	2003 – 2016
5	NBA/NAAC Coordinator (College & I.T.)	2007 – 2016
6	Alumni Committee Coordinator	2006-2014
7	Coordinator for National Level Students Technical Symposium	2006, 2007, 2008, 2009,2010,2011,2012, 2013

Software Skills:

Operating Systems	: Win 98/XP/2000/NT, MS- Dos, Red hat Linux7.0,
Languages	: Java 2.0, C, C++, HTML, DHTML, JavaScript
J2EE Technologies	: Servlets2.3, JSP1.1, JDBC2.0
Application/ Web servers	: Web Logic 8.3., Apache Tomcat 4.1,
Database	: Oracle8x, Ms-Access.
GUI	: Developer2000.