

Dr. Aasim Zafar

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BRIEF OVERVIEW

Experience: **26 Years**
Presently working as *Associate Professor* in the Department of Computer Science, AMU, Aligarh since October' **2009**.

Teaching : **25 Years** (Department of Computer Science, AMU since October' **1995**)

Industry : **One & a Half Year** (*S/W Engineer*, Modi Olivetti Ltd, New Delhi)

PhD Title: "*Knowledge Representation and User Modeling in Adaptive E-Learning*"

Academic Record: **Ph.D., M.C.A., M.Sc., B.Ed.** (Throughout **First Division** and **Rank-I** in M.C.A.)

Published Work: **70+**

Research Guidance

PhDs: **02** (Awarded)
01 (Submitted)
01 (Final stage)
05 (Guiding)

Master thesis/dissertation: **80** (completed)

Conference/Seminars Attended: **10**

Training Programmes/Workshops Attended: **15**

Conference/Seminars Organized: **10**

Award: "*Excellence in Teaching Award*" at KAU, Jeddah (2015-2016).

Accreditation Experience:

- Worked as *Director, Academic Accreditation Unit*, FCIT, KAU, Jeddah and led the FCIT to obtain **ABET** (Accreditation Board of Engineering and Technology, USA) accreditations (2013-2015).

Research Project: **04**

- Completed **TWO (02)** DSR funded (**SR 50,000 each**) Projects as *Principal Investigator (P.I.)* at King Abdulaziz University, Jeddah, KSA (2011-2015).
- Completed **KACST (SR 2 Million)** Project titled "*Development of Secure Platform Independent Mobile Learning Tool in Saudi Universities*" as **Co-PI** at King Abdulaziz University, Jeddah, KSA (2013-2016).
- Worked as **Co-PI** in **National Mission of Education through Information and Communication Technology (NMEICT) ERP Mission Project**. ERP Mission Project was funded (Total: Rs 19.36 Crore) by M.H.R.D., Govt. of India and executed in consortium mode with IIT, Kanpur as Coordination Institute and AMU being one of the partner Institutes (Approx. Amount Rs 1.2 Crore).

ADMINISTRATIVE EXPERIENCE

- Working as *UGC SWAYAM Coordinator* of AMU
- Working as *Coordinator* of *IGNOU Study Centre (2713), AMU*
- Working as *Convener* of *Website Committee* constituted by Hon'ble Vice Chancellor, AMU
- Working as *Convener* of *Digital Learning Monitoring Cell, AMU* constituted by Hon'ble Vice Chancellor, AMU
- Working as *Member* of *IT Policy Committee* constituted by Hon'ble Vice Chancellor, AMU
- Working as *Member* of *Ranking Committee* constituted by Hon'ble Vice Chancellor, AMU
- Worked as member of *Website Committee* constituted by Hon'ble Vice Chancellor, AMU
- Worked as *Director, Academic Accreditation Unit*, FCIT, KAU, Jeddah and led the FCIT to obtain Accreditation Board of Engineering and Technology (ABET) accreditations.
- Worked as *Assistant Director, Academic Accreditation Unit*, FCIT, KAU, Jeddah
- Worked as Head, *Curriculum Development Committee*, IS Dept, FCIT, KAU, Jeddah
- Worked as Team Member of *NCAA Accreditation Committee*, FCIT, KAU, Jeddah
- Worked as *Program Coordinator* (IS Program) / *Head*, ABET Committee, IS Dept, FCIT, KAU, Jeddah
- Worked as *Assistant Coordinator (MCA/BCA/CIT Courses)*, IGNOU, AMU Study centre
- Worked as *Coordinator, e-Learning programmes* at Centre for Distance Education, AMU
- Worked as *Training and Placement Officer*, Department of Computer Science
- Worked as a *Member of High Power ICT Committee* constituted by Hon'ble VC for the implementation of *ICT Infrastructure* at AMU Campus
- Worked as a *Member of Steering Committee* constituted by Hon'ble VC for the implementation of *e-Learning Programme* at Distance Education Centre, AMU
- Represented the *Academic Council*, Aligarh Muslim University, Aligarh
- Worked as *Consultant, Examinations and Result Processing*, AMU
- Worked as *In-charge, Computing Lab*, Department of Computer Science, AMU
- Worked as *Assistant D.S.W. (Dean, Students' Welfare)*, AMU
- Worked as *Assistant Superintendent of Examination*
- Worked as a *Tabulator* for processing the results of MCA/PDCA courses

MAJOR CONTRIBUTIONS IN ACADEMIC ADMINISTRATION, RESEARCH AND DEVELOPMENT

ALIGARH MUSLIM UNIV, ALIGARH

1. Worked as a *member of High Power Steering Committee* constituted by Hon'ble VC, AMU for the implementation of *ICT Infrastructure, Fibre Optic based Campus Wide Network* at AMU campus and *e-Learning Programme* at Distance Education Centre.
2. Worked as **Consultant, AMU Entrance Examinations and Result Processing**, and developed Software System for processing and publishing the results.
3. Worked as *Assistant D.S.W. (Systems)*, and took initiatives in developing and implementing oracle based system "*Student Information Management System (SIMS)*", which could be accessed from Halls of Residence and other concerned units.
4. Worked as *Co-ordinator, eLearning Programmes* at Centre for Distance Education, AMU, and established *university wide wireless infrastructure* to conduct online courses and evaluation using Wipro technology (Ten Acado LMS) based e-Learning solutions.
5. Submitted Research Project to MHRD, Govt. of India and worked as Co-PI in **National Mission of Education through Information and Communication Technology (NMEICT) ERP Mission Project**.
6. Entrusted with the responsibility to liaison with IT Industries and Co-ordinate the activities of the **Training and Placement Cell, Department of Computer Science, AMU**. Continuously worked in developing a good relation between AMU & IT Industries in order to have a constant feedback from IT World, so that academia could tune up their products as per Industry requirements to ensure better placement opportunities to our students.
7. Worked as a **Resource Person** in Refresher Courses and Orientation Programmes for teachers of universities/colleges and prepared **Study Material** for the distribution among participants at "**UGC-Academic Staff College, AMU, Aligarh**" and "**Centre for promotion of Science, AMU**"
8. Instrumental person in getting sanctioned **two new Bachelor level courses**, namely, B.Sc. Information Technology (**BIT**) and B.Sc. Computer Maintenance (**BCM**) from UGC along with required funds for the Department of Computer Science (w.e.f. 2002-2003), seats now merged with B.Sc. Computer Applications.

KING ABDUAZIZ UNIV (KAU), JEDDAH

1. Completed **THREE funded Research Projects** and published more than 17 research papers during (2011-2016), out of which **6 papers** are in *ISI-Indexed journals*.
2. Worked as **Director, Academic Accreditation Unit**, FCIT, KAU, Jeddah and led the Faculty of Computing & IT (FCIT) to obtain **ABET** (Accreditation Board of Engineering and Technology, USA) accreditations (2013-2015).

RESOURCE PERSON

- Delivered Invited/Guest Lectures at *Indian Institute of Technology (IIT)*, Roorkee
- Resource Person in Online Training Programmes, Workshops, Refresher Courses and Orientation Programmes for Faculties of Universities/Colleges at *UGC-HRDC (Academic Staff College), AMU*
- Resource Person in various programmes for Teachers conducted by *Centre for Promotion of Science, AMU*
- Counselor of various courses e.g., MCA, BCA, CIC etc run by *IGNOU, AMU Study centre.*

STUDY MATERIALS

Prepared Study Materials/Courseware for the participants of:

- *Workshops, Refresher/Orientation Programmes* conducted by UGC-HRDC (Academic Staff College), AMU
- *Workshop/Training programmes* conducted by Centre for Promotion of Science, AMU
- *MCA/BCA Courses*

SOFTWARE DEVELOPED AND IMPLEMENTED

1. Library Management System (LibMS)

LibMS is a web-based multi-institutional, multi-lingual and multi-layer Library Management System developed under NMEICT EdRP Mission Project, AMU, Aligarh. The URL is: <http://202.141.40.218:8080/LibMS/> (Role: Co-PI)

2. Election Management System (EMS)

EMS is a web-based multi-institutional, multi-lingual, role based Election Management System developed under NMEICT EdRP Mission Project, AMU, Aligarh. The URL is: <http://202.141.40.218:8080/EMS/> (Role: Co-PI)

3. Sales Order Processing System

This software has been developed for the *Order processing Division (HO) of Modi Olivetti Ltd. (MOL), New Delhi.*

4. HRD/MIS & Payroll System

This system has been developed for Administration and Finance Division of Modi Olivetti Ltd., New Delhi.

5. Hospital Management System

Jawaharlal Nehru Medical College, AMU has been computerized, and four subsystems have been implemented. These are:

- i. Drug Inventory Subsystem
- ii. Patient History Subsystem
- iii. Duty Arrangement & Wardcare Staff Information Subsystem
- iv. Bed Allotment, Admit/Discharge Module

Out of these my contribution is:

- Duty Arrangement & Wardcare Staff Information Subsystem
- Bed Allotment, Admit/Discharge Module

6. Housing Loan Information System for AMU

The system has been developed in SYBASE under Unix environment using HCL-HP Meteor 486.

7. Hotel Information System

The system has been developed in SYBASE under Unix environment using HCL-HP Meteor 486.

8. Operations on Non-Primitive Data Structures

The System has been developed in C under Unix using HCL-HP Meteor 486 Systems.

ACADEMIC PROFILE

1. **Ph.D.** in *Computer Science* from Aligarh Muslim University, Aligarh (**Title: “Knowledge Representation and User Modeling in Adaptive E-Learning”**) in 2010.
2. Passed **Master in Computer Science and Applications (M.C.A.)** from Aligarh Muslim University, Aligarh with **First Division** securing **87%** of marks in 1994 (**Rank-I**).
 - Ranked Top throughout the three years of MCA
 - UGC Scholarship during the final year of MCA
3. Passed **B.Ed.** from Govt. Teachers’ Training College, Hazaribagh (Under Ranchi University) with **First Division** securing **69%** of marks in 1991.
4. Passed **M.Sc.** from St. Columba’s College, Hazaribagh (Under Ranchi University) with **First Class** securing **72%** of marks in 1988.
5. Passed **B.Sc. (Hons.)** from St. Columba’s College, Hazaribagh (Under Ranchi University) with **First Class** securing **68%** of marks in 1985.
6. Passed **I.Sc.** from St. Columba’s College, Hazaribagh (Under Ranchi University) with **First Division** securing **68%** of marks in 1982.
7. Passed **Secondary School Examination** from S.S. High School, Mandu, Hazaribagh (Under BSSEB, Patna) with **First Division** securing **71%** of marks in 1980.

PROFESSIONAL EXPERIENCE

INDUSTRY EXPERIENCE ONE & HALF YEAR

SEPTEMBER 1994 – SEPTEMBER 1995

Software Engineer, Modi Olivetti Limited (H.O.), New Delhi

FEBRUARY 1994 – AUGUST 1995

Programmer Trainee, Administration & Finance Division, Modi Olivetti Limited (H.O.), New Delhi

TEACHING EXPERIENCE 21 YEARS

SINCE OCTOBER 2009 - TILL DATE

Associate Professor, Department of Computer Science, AMU

2006 - Lecturer (Selection Grade), Department of Computer Science, AMU

1995 - Lecturer, Department of Computer Science, AMU, Aligarh

SINCE SEPTEMBER 2011 - JULY 2016 (ON EOL)

Assistant Professor, Department of Information Systems, FCIT, KAU, Jeddah, KSA.

HIGHLIGHTS OF INDUSTRY EXPERIENCE

SEPTEMBER'94 TO SEPTEMBER'95

Worked for Modi Olivetti Limited (MOL) New Delhi as *Software Engineer*.

ASSIGNMENTS & JOB RESPONSIBILITIES AT MOL

- Development & Implementation of Software for Sales Order Processing and for Incentive Computation.
- Computerization of Order Processing Divisions of East, West, South East and South West regions of MOL.
- Communicating to our Factory & Regions through INET and Email. Interacting with various departments, which are interlinked through LAN.
- Administration and Maintenance of Communication Systems.

MAJOR ACHIEVEMENTS

- Developed and Implemented "**SALES ORDER PROCESSING SYSTEM**" for H.O. within the six months of joining the company.
- Established a full-fledged Networking lab to provide connectivity to different local & Zonal Branch offices of MOL spread all over India through VSAT, leased lines and Inet.
- Started Communication with our factory through INET, after the Implementation of the above said software.
- Started sharing the data with various departments using LAN.
- Decentralized the Order Processing at Regional levels. Developed & Implemented the Software and provided training on the same and Connected Bombay, Madras, Bangalore, Calcutta regions to H.O Through VSAT within the first year of joining.

FEBRUARY'94 TO AUGUST'94

Worked for Modi Olivetti Ltd. as *Programmer Trainee* in the Administration & Finance Division.

- Developed and Implemented '**HRD/MIS & PAYROLL SYSTEM**' for Administration & Finance Division.
- Developed a complete software using Advance SQL Server at the Back end and Visual Basic at the front end to monitor the Performance of MOL machines under Windows-NT.

HIGHLIGHTS OF ACADEMIC CAREER

CLASSES TAUGHT

Post Graduate level: 25 Years

Master in Computer Science and Applications (MCA)
Master in Computer Information Systems (MCIS)
PG Diploma in Computer Science and Application (PDCA)
PG Diploma in Computer Programming (PGDCP)
PG Diploma in Electronic Data processing and Machine Operation (PGEDP)

Under Graduate level: 23 Years

B.Sc. (Hons.) Computer Application (BCA)
B.Sc. (Hons.) Information Technology (BIT)
B.Sc. (Hons.) Computer Maintenance (BCM)
B.Sc. (Hons.) Information Systems (BSIS)

JOB RESPONSIBILITIES AND CONTRIBUTIONS

1. Taught the following courses of Computer Science at PG & UG Level

- a. Computer Communication & Networks
- b. TCP/IP Programming
- c. Database Management System (DBMS)
- d. Object Oriented Programming Languages (C++/Java)
- e. Information System Analysis and Design (SSAD/OOAD)
- f. Principles of Computer and Information Technology
- g. Business Data Processing
- h. Data Structure using C
- i. Design and Analysis of Algorithms
- j. Software Engineering
- k. Management Information System
- l. Internet Technologies
- m. Operating Systems
- n. e-System Applications
- o. Information System Strategies and Policies

2. **Supervised the development & implementation of more than 80 Software Projects/Dissertation works** of Master Level students (MCA) in C/C++, JAVA, C#, SYBASE, ORACLE, Visual Basic, FoxPro, ASP, HTML/XML, J2EE, .NET etc.
3. **Member of Syllabus Drafting Committee** of a newly proposed four-year integrated Bachelor Degree Course, **Bachelor of Industrial Informatics (BII)** and newly introduced courses B.Sc.(Hons.) Information Technology (**BIT**) and B.Sc. (Hons.) Computer Maintenance (**BCM**). Also, prepared syllabi of newly introduced Semester System (From 2003-2004 onwards) for MCA and PDCA courses.
4. **Member of Curriculum and Syllabus Review Committee** for the Courses of MCA, PGDCA, BCA, BIT, BCM and Diploma Courses like DCP, EDP, and DCA etc.
5. **Within the very first year of joining AMU, took initiatives in:**
 - a. Introduction of New Courses (BII, PGCIT) at Bachelor & PG levels to meet the growing demand of IT industries instantly.
 - b. Organizing a two day national convention on “Vocationalization of Computer Education”.
 - c. Developing a good relation between AMU & IT Industries in order to have a constant feedback from IT World, so that Academia could tune up their products as per Industry requirements.
6. Entrusted with the responsibility of Computing **Lab In-charge**, which includes administration of Network and Database Administration.
7. Appointed as a **Tabulator** for processing the results of MCA/PDCA courses and **Assistant Superintendent of Exams**.
8. Entrusted with the responsibility to liaison with IT Industries and Co-ordinate the activities of the **Training and Placement Cell, Department of Computer Science, AMU**.
9. **Seminar /Conferences Organized**
 - a. Organized a Two-Day Seminar on ***IT – Recent Trends*** in the Department of Computer Science, AMU in 1993.
 - b. Organized a Two Day National convention on ***Vocationalization of Computer Education*** in the Department of Computer Science, AMU in 1996.
 - c. Organized a Three Day ***Science & Technology Exhibition and Seminar on Popularization of Science*** in co-ordination with District Science Club, Aligarh and funded by Council of Science & Technology, U.P., in 2001.
 - d. Organized three-day Workshop on ***“Capacity Building on e-Learning Technologies”*** for faculty members at Centre for Distance Education, AMU, Aligarh during March 15-17, 2007.

- e. Organized two-day special training programme on “***Content Development and Usage of E-Learning Solutions***” for faculty members at Centre for Distance Education, AMU, Aligarh during August 6-7, 2007.
 - f. Organized a two-day workshop on “***e-Content Development and Usage of e-Learning Solutions***” at the Centre for Distance Education, AMU, Aligarh during January 13-14, 2008 in collaboration with Wipro Infotech.
 - g. Organized a two-day training programme on “***Open Source Software: Collaborative Development Practices***” under NME-ICT ERP Mission Project at the Department of Computer Science, AMU, Aligarh during February 8-9, 2011.
10. Worked as **Academic Counselor** for the courses like **MCA, BCA and CIC** run by Indira Gandhi National Open University (**IGNOU**), AMU Study Centre.
 11. Worked as **Asstt. Co-ordinator**, IGNOU, AMU Study Centre.
 12. Worked as a **Resource Person** in faculty training programmes and workshops Organized by “**Centre for promotion of Science, AMU**”
 13. Worked as a **Resource Person** in Workshops, Refresher Courses and Orientation Programmes for faculties of universities/colleges and prepared **Study Material** for the distribution among participants of **Orientation Programme** conducted by “**UGC-Academic Staff College, AMU, Aligarh**”.
 14. Member of the committee for designing courses and courseware for the I.T. Institute, Assam run by Markaz-ul Ma-arif, an NGO.
 15. Worked as a member of Steering Committee constituted for the **implementation of Campus Wide Networking** and to provide Fibre Optic Connectivity to various departments/offices/centre of the University.
 16. Worked as a **member of Steering Committee** constituted by Hon’ble VC for the implementation of **e-Learning Programme** at Distance Education Centre, AMU.
 17. Worked as **Co-ordinator, eLearning Programmes** at Centre for Distance Education, AMU, Aligarh.
 18. Delivered Invited/Guest Lectures in **Indian Institute of Technology (I.I.T.), Roorkee**.
 19. Worked as a **member of High Power Committee** constituted by Hon’ble VC for the implementation of **ICT Infrastructure** at AMU, Aligarh.
 20. Worked as **Director, Academic Accreditation Unit** and **Head, ABET Committee** and led to successful ABET accreditation of B.Sc (CS), B.Sc (IS), and B.Sc (IT) programs of FCIT, **King Abdulaziz University (KAU)**, Jeddah, KSA.

INNOVATIONS/CONTRIBUTION IN TEACHING

1. Took initiative and conducted various workshops and online training programmes to train teachers in "**Online Teaching Tools**". Used Learning Management System (LMS) to conduct online courses and objective type tests (used Blackboard, Ten Acado, Brihaspati, Moodle, eLGuide, Google Classroom, etc).
2. Prepared Lecture Notes and reading materials for PG/UG level students and started the use of **Internet/Intranet** for disseminating knowledge and course materials to our students as well as the use of modern audio-visual **multimedia teaching aids** in imparting the education and training to our students.
3. Took initiative in establishing a **Switch based Computer Network Lab** in the Department of Computer Science, AMU comprising more than 70 nodes and three servers.
4. Instrumental person in getting sanctioned **two new Bachelor level courses**, namely, B.Sc. Information Technology (**BIT**) and B.Sc. Computer Maintenance (**BCM**) from UGC along with required funds for the Department of Computer Science (From 2002-2003).

WORKSHOPS /TRAINING PROGRAMMES ATTENDED

1. Participated in the ABET's IDEAL workshop on "**ABET Institute for the Development of Excellence in Assessment Leadership**" organized by King Abdulaziz University at King Fahad Medical Research Centre, KAU, Jeddah during October 16-19, 2013.
2. Participated in the workshop on "**Effective use of Brihaspati-3**" organized by I.I.T., Kanpur during April 23-24, 2011.
3. Participated in the workshop on "**Issues related to the Translation of Science and Social Science Books from English into Urdu**" organized by National Translation Mission (NTM), CIL, Mysore and Centre for Distance Education, AMU, Aligarh during October 25-30, 2010.
4. Participated in the workshop on "**e-Content Development and Usage of e-Learning Solutions**" organized by Centre for Distance Education, AMU, Aligarh during January 13-14, 2008.
5. Participated in training programme on "**Content Development and Usage of e-Learning Solutions**" organized by Centre for Distance Education, AMU, Aligarh during August 6-7, 2007.
6. Participated in Workshop on "**Development of Online Self Learning Materials and Quality Assurance Mechanism**" organized by Centre for Distance Education, AMU, Aligarh during May 16-18, 2007.
7. Participated in Workshop on "**Capacity Building on e-Learning Technologies**" organized by Centre for Distance Education, AMU, Aligarh during March 15-17, 2007.
8. Participated in training programme on "**Borland ALM Suite – A CASE Tool**" organized at the Department of Computer Science, AMU during October 30-31, 2006.
9. Participated in Workshop on "**Simulation Techniques in Physics**" organized by Department of Physics, AMU, Aligarh during March 20-25, 2006.

10. Participated in workshop on "**Capacity Building Programme on Multimedia and E-content Development**" organized by Consortium for Educational Communication (UGC-CEC), New Delhi from 04-07-2005 to 23-07-2005.

REFRESHER COURSES/ORIENTATION PROGRAMMES ATTENDED

1. Participated in **Refresher Course in Computer Applications** organized by UGC Academic Staff College, AMU, Aligarh from 11-05-2009 to 30-05-2009.
2. Participated in **Pilot Orientation Programme in Information Technology**, a special training programme organized by UGC for the Directors of ASC and Teachers at Academic Staff College, JNU, New Delhi from 15-09-2003 to 3-10-2003.
3. Participated in **Refresher Course in Computer Applications** organized by UGC Academic Staff College, AMU, Aligarh from 02-07-2001 to 21-07-2001.
4. Participated in **Orientation Programme** for Teachers organized by UGC Academic Staff College, AMU, Aligarh from 25-07-2001 to 23-08-2001.

CONFERENCES/SEMINARS ATTENDED

1. Attended Scientific Seminar on the topic "**Big Data and Immersive Technologies Research**" held at FCIT, KAU, Jeddah on May 5, 2016.
2. Attended Scientific Workshop on the topic "**Big Graph Processing for Improving Social Services**" held at FCIT, KAU, Jeddah on December 17, 2015.
3. Attended Scientific Workshop on the topic "**High-Impact Research and Highly-Cited Papers**" held at FCIT, KAU, Jeddah on February 19, 2014.
4. Attended Scientific Workshop on the topic "**High Performance Computing**" held at FCIT, KAU, Jeddah on September 30, 2013.
5. Attended & Presented Paper in **IEEE INDICON 2006**, held at New Delhi during 15-17 September, 2006.
6. Attended & Presented Paper in **National Conference on SEMIT**, BIG CSI-2003 held at Vishakhapatnam during 10-12 June, 2003.
7. Attended & Presented Paper in **National Conference on Changing Business Environment: Role of Management and IT Professionals**, held at Hotel Holiday Inn, Agra during 21-22 February, 2003.
8. Attended & Presented Paper in **National Seminar on Statistical Computing** held at Department of Statistics and Computer Applications, T. M. Bhagalpur University, Bhagalpur during November 22-28, 2002.
9. Attended & Presented Paper in **International Conference on Geography In The 21st Century: Prospects And Challenges** in 2000.
10. Attended & Presented Paper in **National Conference on Data Communication**, COMNET-97, 1997.
11. Attended & Presented Papers in **National Convention on Vocationalization of Computer Education** during 28-29th September 1996.
12. Attended many **CSI Annual Conventions**.

CONFERENCES / SEMINARS / WORKSHOPS / TRAINING PROGRAMMES ORGANIZED

1. Organized a four-day online teachers' training programme on "**Online Teaching Training Programme**" under aegis of UGC-HRDC, AMU during April 20-23, 2020.
2. Organized a two-day training programme on "**Open Source Software: Collaborative Development Practices**" under NME-ICT ERP Mission Project at the Department of Computer Science, AMU, Aligarh during February 8-9, 2011.
3. Organized a two-day workshop on "**e-Content Development and Usage of e-Learning Solutions**" at the Centre for Distance Education, AMU, Aligarh during January 13-14, 2008 in collaboration with Wipro Infotech.
4. Organized two-day special training programme on "**Content Development and Usage of E-Learning Solutions**" for faculty members at Centre for Distance Education, AMU, Aligarh during August 6-7, 2007.
5. Organized three-day Workshop on "**Capacity Building on e-Learning Technologies**" for faculty members at Centre for Distance Education, AMU, Aligarh during March 15-17, 2007.
6. Organized a three-day "**Science & Technology Exhibition and Seminar on Popularization of Science**" in co-ordination with District Science Club, Aligarh and funded by Council of Science & Technology, U.P., in 2001.
7. Organized two-day "**National Convention on Vocationalization of Computer Education**" during 28-29th September 1996.
7. Organized a two-day Seminar on "**IT – Recent Trends**" in the Department of Computer Science, AMU, Aligarh in 1993.

PUBLISHED WORKS: 70+

A. PUBLICATIONS IN JOURNALS

1. **Aasim Zafar** and Arshad Iqbal, "*Application of Soft Computing Techniques in Machine Reading of Quranic Kufic Manuscripts*", Journal of King Saud University - Computer and Information Sciences, First Published version available Online-30-April-2020, **Web of Science** and **Scopus indexed**, DOI: 10.1016/j.jksuci.2020.04.017.
2. **Aasim Zafar** and Mohd Anas, "*Neutrosophic Cognitive Maps for Situation Analysis*", Neutrosophic Sets and Systems, vol. 29, October 2019, pp. 78-88, **Web of Science** and **Scopus indexed**, DOI: 10.5281/zenodo.3514407.
3. Jeelani, M. Rana and **Aasim Zafar**, "*A Distributed Trust Based Approaches for Wireless Sensor Networks*", International Journal of Research and Analytical Reviews (IJRAR), Vol. 6, Issue 2, June 2019, pp:842-850.
4. Jeelani, M. Rana, S. Kumar and **Aasim Zafar**, "*Trust Based Approaches to Counter Selective Attacks on Wireless Sensor Networks*", International Journal of Computer Science and Mobile Computing (IJCSMC), Vol. 7, Issue 12, December 2018, pp:291-303.
5. Jeelani, M. Rana, S. Kumar and **Aasim Zafar**, "*Trust Based Approaches of Intrusion Detection Architecture for Wireless Sensor Networks: A Survey*", International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), Vol. 7, Issue 10, October 2018, pp:107-114, DOI: 10.17148/IJARCCE.2018.71024.

6. O. S. Islam, M. Ashi, F. M. Reda and **Aasim Zafar**, “*Strategic Knowledge Management as a Driver for Organizational Excellence: A Case Study of Saudi Airlines*”, *International Journal of Modern Education and Computer Science (IJMECS)*, Vol.9, No.7, pp.38-49, 2017.DOI: 10.5815/ijmeecs.2017.07.05
7. S. H. Hasan, D. M. Alghazzawi and **Aasim Zafar**, “*Integrating Java Coding into Project Based Learning in M-Learning Environment*”, *Malaysian Journal of Computer Sciences (MJCS)*, Vol.30(2), 2017, pp:91-98, **Web of Science and Scopus indexed (ISSN: 0127-9084)**.
8. M. M. Alam, A. I. Khan and **Aasim Zafar**, “*An Empirical Study of the Improved SPLD Framework using Expert Opinion Technique*”, *International Journal of Engineering and Applied Computer Science (IJEACS)*, Vol.2, Issue.3, March-2017, pp.98-106, **(ISBN: 978-0-9957075-4-2)**. DOI: 10.24032/ijeacs/0203/03
9. M. M. Alam, A. I. Khan and **Aasim Zafar**, “*A Secure Framework for Software Product Line Development*”, *International Journal of Computer Applications (IJCA)*, Vol. 159, No.4, February-2017, pp.33-40, **(ISBN: 973-93-80895-52-8)**. DOI: 10.5120/ijca2017912919
10. M. Al-Malki, S. Al-Fleit and **Aasim Zafar**, “*Challenges in Implementation of Information System Strategies in Saudi Business Environment: A Case Study of a Bank*”, *International Journal of Computer Trends & Technology (IJCTT)*, Vol.43 , No.1, January-2017, pp.56-64 **(ISSN: 2231-2803)**. DOI: 10.14445/22312803/IJCTT-V43P108
11. M. M. Alam, A. I. Khan and **Aasim Zafar**, “*A Comprehensive Study of Software Product Line Frameworks*”, *International Journal of Computer Applications (IJCA)*, Vol. 151, No.3, October-2016, pp.11-17 **(ISSN: 0975–8887)**. DOI: 10.5120/ijca2016911698
12. W. Bajaber, M. AlQulaity and **Aasim Zafar**, “*An Overview of Strategic Information Systems Planning in Banking Sectors: A case study of Riyadh Bank of KSA*”, *International Journal of Computer Applications (IJCA)*, Vol. 144, No.7, June-2016, pp.1-6 **(ISSN: 0975–8887)**. DOI: 10.5120/ijca2016910211
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18. **Aasim Zafar**, Huma Anwar and Raheela, “*Computer Aided Evaluation Technique (CAET)*” in the proceedings of National convention on Vocationalization of Computer Education, **1996**.
19. **Aasim Zafar** and Osama Sajid, “*A Study of level of Computer Awareness among the students of Bussiness Oriented P.G. Professional Courses of A.M.U*” in the proceedings of National convention on Vocationalization of Computer Education, **1996**.
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C. CHAPTERS IN BOOK

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2. Z. Rahman, J. Siddiqui and **Aasim Zafar** “*Do IT/IS Investments Pay Off their worth in Organisational Performance and Productivity?*” in Journal of Systems Management, Vol. 3, NO. 4, Nov. 2005, 7-15 is to be reprinted as a chapter in a book on “**E- Strategy**” to be published by ICFAI University Press.
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4. I. A. Khan and **Aasim Zafar**, “*Information Network: An Overview*” in Higher **Education: Issues and Challenges**, Edited by Prof. A.R. Kidwai, 306-333, 2010 (ISBN: 978-81-309-1265-3).

D. INVITED PAPER

1. S. H. Hasan and **Aasim Zafar**, “*Effects of Learning Styles in E-learning Environment*” in the proceedings of 3rd International Conference on Advances in Information Technology and Networking (ICATN’16), February-2016.

E. COMMUNICATED FOR PUBLICATION

1. Abdulkhalaq, F. Al-Sehani, F. Darwis and **Aasim Zafar**, “*The Role of Social Media Networks in SISP*”, International Journal of Information Technology and Computer Science (IJITCS).

RESEARCH SUPERVISED

Ph.D. Degree Awarded: 02

Topic	Role
<i>A study of linear and angular kinematic analysis of soccer instep and inside instep foot kicks of different level players</i>	<i>Co-Supervisor</i>

<i>Personalized Information Retrieval using e-Portfolio</i>	<i>Supervisor</i>
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Ph.D. (Submitted): 01

<i>A Study on the use of Soft Computing Techniques in Machine Reading of Ancient Quranic Manuscript</i>	<i>Supervisor</i>
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Ph.D. in Final Stage: 01

<i>Designing Intelligent System for routing in Wireless Adhoc Sensor Networks</i>	<i>Supervisor</i>
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Ph.D. (Guiding): 05

MASTER LEVEL PROJECTS/DISSERTATIONS SUPERVISED: 80+

2020,	GreenWay: Healthcare Application
2020,	HoverNest: Residential Security Web-App
2019,	Harsh Industries Web Portal
2019,	Sedgwick: Claim Management System (CMS)
2018,	Searching Quran: A Multi-faceted Approach
2018,	Cloud based Sensor Network Suite for Weather Monitoring System
2018,	Supply Chain Automation through Salesforce
2018,	Enterprise Vulnerability Assessment and Penetration Testing Simulator
2018,	Predictive and Scheduling Mechanism for a Multiplex Organization
2017,	Online UPVC Windows and Doors

2017, ERP Implementation for a Trading Company
2017, Web RTC Video Calling Application
2010, LibMS: A Multi-Institutional Library Management System
2010, Channel Testing for Retailer
2009, Campus Management System
2009, Subscription Management Module
2009, NoidaPoint.Info (Social Module)
2009, Online Auction
2009, Magazine Subscription System
2009, Real Estate Geographic Information System
2009, net Bazaar: An Online Shopping Portal
2009, Faculty Supporting System
2008, Online Book Gallery
2008, Resort Management System
2008, StarAds: An online Advertisement Portal
2008, Network Custody and Clearing System
2008, Complaint Tracking and Rectification System
2008, Online Stock Exchange
2008, Job Consultancy (Web Application)
2007, STAF-Automated Regression Test System - 2.0
2007, Online Share Transaction
2007, ISTUDY Buddy (Front Desk Module)
2007, Specialized Human Resource Tool for Territorial Army
2007, SHOPLINK: An Inventory Management Tool
2007, Partial Finance Assistance Program
2006, Customer Relationship Management: A Case Study
2006, Palm Conduit
2006, Wireless Games Development on BREW
2006, A MANET Routing Protocol: An Improvement over ZRP
2006, Performance Appraisal System for Infotech Enterprises Limited
2006, Gaming Application for Micro-Devices (Motor Bike Race and Crab Race)
2006, Detection and Prevention of Hacking in MANET
2006, Margin Lending User Maintenance
2006, Routing and Quality of Service (QoS) in MANET
2005, XML Datasheet Parsing using Java
2005, Course Authoring and Learning Management System
2005, Enhancement of Valmiki - A Multilingual Tool

2005, Housing & Development Board (Planning & MIS Module)

2005, Judges Information System for Ministry of Home affairs

2004, Automation of an Educational Institute

2004, Integrated Hospital Management System

2004, Import and Export of Rich Text Format (RTF)

2004, Training Management System

2003, Helpdesk of Indian Customs EDI System

2003, Deposit Management System

2003, Asset Management System for Reliance Infocomm

2003, Area Management and Data Capturing System for Telebox & MIS Reporting

2002, Online Document Submission System

2002, Netramlite for Linux

2002, Seed Management Information System

2002, Satellite Carrier Monitoring System

2001, Computerization Of The Office Of Registrar Of Co-Operative Society.

2001, Computer Based Multimedia Kit For Children With Learning Disability

2000, Property management System.

2000, Academy Information And Presentation Of Welfare Activities.

2000, Dop Budget Information System.

2000, Academic Work Flow System.

1999, Graphical Analyzing Of Case Flow

1999, ChemCALC (A Chemical Engineering Utility Tool).

1999, Electoral & Regional Problem Analysis Information System.

1999, Web Enabled Employee Information System For CSIR-NISTADS

1999, Computer Aided Typist Evaluation System (CATES).

1999, Automation Of Export / Import Management System.

1999, Retirement Benefits.

1999, Fixed Deposit Control System.

1999, Library Information System.

1999, Computerization Of Budget Branch (Department Of Posts).

1998, Establishing Of Textual Data.

1998, Sales Order Processing System (SOPS).

1997, Computerization Subsystem Of Payroll System.

1997, MIS Quality Assurance System.

1997, Fee Information System.

1997, Delhi Police Application.

1997, Enhancements To GX-9100 Tool To Support Homepage And Trend.

- 1997, Parliamentary Notice Office (PNO-MIS).
- 1996, Computerized Reporter's Information System (RAJYA Sabha Secretariat).
- 1996, Weekly Schedule Generation System(CMC LTD.).
- 1996, World Wide Web Site For IP.
- 1996, Payroll System (Hicks Thermometer (I) LTD.).

(Dr. Aasim Zafar)