

Dr. FAIYAZ AHAMAD

Permanent Address:

S/O Jalaluddin

6/775 , Sector 6, Vikas Nagar

Lucknow-226021 (U.P.), India

Mobile: +91-9452300496

+91-7985513509

E Mail: faiyaz.ahamad@yahoo.com

Skype ID: Faiyaz Ahamad



Career Objectives:

To excel professionally in an inspiring work environment of growth oriented organization that allow me grow both professionally and an individual.

Working Experience:

Currently Working in INTEGRAL UNIVERSITY, Lucknow (U.P) India, as a Post of **Associate Professor** in Computer Science and Engineering Department since

2008 Worked in INDIABULLS SECURITY LTD. as a Post of **compliance officer**.

Educational Qualifications

- **PhD** in Computer Science and Engineering on the Title of "**Clinical Decision Support system Using Soft computing Technique**" from BBD, University Lucknow, 2017-18.
- Passed **M.Tech.** in **Information Technology** a Two year course with Distinction. (Batch 2009-2011)
- Passed **B.Tech.** in Information Technology a four year full time course With first division from U.P. Technical University. (Batch 2003-2007)
- Passed **Diploma** in Electrical Engineering a three year full time course with first division from Hewett Polytechnic, Lucknow. (Batch 2000-2003).

Professional training & Project Reports:

Training : **Training on Power Plant**

Duration : **Two Months**

Organization : **NTPC (National Thermal Power Corporation)**
Shaktinagar, Sonbhadra (U.P) India.

- A comprehensive report on Transportation of raw material.
- A study on generation of electricity.
- A study on transmission and distribution of electricity

Training : **Software Development Project Uttar Pradesh Agricultural Marketing Management System.**

Duration : **One Month's**

Organization : **UPDESCO (U.P) India.**

LIST OF PUBLICATIONS(INTERNATIONAL JOURNALS)

1. **Faiyaz Ahamad**, Deepika Dhawan “ A System model of fault tolerance technique in the Distributed and scalable system: A review” International Journal of Innovative Research in Computer Science & Technology (IJIRCST), ISSN: 2347-5552, Volume9, Issue1, January 2022, page 83-87.
2. **Faiyaz Ahamad**, Deepika Dhawan “ Privacy and Security in IOT Cloud-Based Healthcare System” International Journal of Engineering and Management Research, ISSN: 2394-6962, Volume12, Issue3, September 2022, page 61-65.
3. **Faiyaz Ahamad**, Sadaf Saquib” An Integrative Decision Support Model for Smart Agriculture Based on Internet of Things and Machine Learning” Journal of Informatics Electrical and Electronics Engineering, 2021, Vol. 02, Issue. 02, pp. 1-19 ISSN (Online): 2582-7006
4. **Faiyaz Ahamad**,Yusuf, Nikhat Akhtar “An Empirical Study on the Current State of Internet of Multimedia Things(IoMT) International Journal of Engineering Research in Computer Science and Engineering Volume 8 issue 5, March2021.ISSN:2394-2320
5. **Faiyaz Ahamad**, Durba Das Gupta ” Enhance the Co-operation Level among the Peers of the Network and Analysis of Security Aspect of the network” Journal of Emerging Technologies and Innovative Research Volume 8, Issue 5,2021.
6. **Faiyaz Ahamad**, Durba Das Gupta ” Simulation based Exploration of SKC Block Cipher Algorithm An Exploration of Monetary Based Approach (MBA) in Peer-to-peer system Network: A Review” International Journal of Computer Sciences and Engineering Vol.9, Issue.8, on 31st August 2021.
7. **Faiyaz Ahamad**, Aihsan Suhail ” Characterizing and Predicting Reviews for Effective Product Marketing and Advancement” International Journal of Scientific Research in Computer Science, Engineering and Information Technology Volume 7 issue 4 July-August 2021.
8. **Faiyaz Ahamad**, Pratiksha ” Satiating A User-Delineated Time Constraints While Scheduling Workflow in Cloud Environments” International Journal of Innovative Research in Computer Science & Technology (IJIRCST) volume -9, issue -3, May-2021.
9. **Faiyaz Ahamad**, Nagma shakeel ” A Study of WSN and Analysis of Packet Drop During Transmission” International Journal of Innovative Research in Computer Science & Technology (IJIRCST) ISSN: 2347-5552, Volume-9, Issue-2, March 2021
10. **Faiyaz Ahamad**, Divya Mishra” Impact Analysis of Accident Using AI ” International Journal of Scientific Research in Computer Science, Engineering and Information Technology, ISSN : 2456-3307, Volume 7, Issue 4, ,Page Number:397-405 March-2021.
11. **Faiyaz Ahamad**, Obaidullah ” Analysis Of Behavior Extraction On Social Life Issues UsingTweets By Deep Learning Technique” International journal of scientific & Technology research, Volume 8,Issue08,PP-787-790,August 2019.(*Scopus*)
12. **Faiyaz Ahamad**, Obaidullah ” Analysis Of Behavior Extraction On Social Life Issues Using Sentiment Analysis:A Review”International journal of research in Advent technology, Volume 7,Issue06,PP116-119,June 2019.

13. **Faiyaz Ahamad**, Nabila kazmi ” A Survey on Multimodal Biometrics ” Journal of emerging technology and Innovative research(JETIR),Issn:2349-5162, Volume 6,Issue06,PP142-146,June 2019.
- 14.**Faiyaz Ahamad**, Mohd Kamran Khan” Literature Review on Software Complexity, Software Usability and Software Deliverability” International Journal of advanced Research in Computer Science, Volume-9,No.2,pp 438-442, March-April-2018.
15. **Faiyaz Ahamad**, Manuj Darbari, Rishi Asthana “Comparison of Membership Function in Adaptive Neuro Fuzzy Inference System for Prediction of Respiratory Disorder System” International Journal of Scientific & Engineering Research, Volume 8, Issue 5, May-2017.
16. **Faiyaz Ahamad**, Diwan Arshad Khan “Service Discovery in wireless Mesh Network” International Journal of Scientific & Engineering Research, Volume 8, Issue 5, May-2017.
17. **Faiyaz Ahamad**, Manuj Darbari, Rishi Asthana “Different Approaches of Soft Computing Techniques (Inference System) which are used in Clinical Decision Support System for Risk based Prioritization “ in Asian Journal of Computer and Information Systems (ISSN: 2321 – 5658) Volume 03 – Issue 01, February 2015
18. **Faiyaz Ahamad**, Manuj Darbari, Rishi Asthana “Review on A Clinical Decision Support System for Risk Based Prioritization Using Soft Computing Technique “International Journal of Scientific & Engineering Research, Volume 6, Issue 1, ISSN 2229-551,Jan-2015.
19. **Faiyaz Ahamad**, Afsaruddin Khan “Service Mechanism for Reusability Framework for Software and it’s Challenges: Literature review” International Advanced Research Journal in Science, Engineering and Technology, ISSN (Online) 2393-8021,pp 167-174,Vol 2,Issue 1, April 2015, IMS Engineering College, Ghaziabad.
20. **Faiyaz ahmad**, Saba Khalid and Rizwan Beg “Secure key pre distribution in wireless sensor networks using combinatorial design and traversal design based key distribution” International Journal of Smart Sensors and Ad Hoc Networks (IJSSAN) ISSN No. 2248- 9738 Vol- 2, Issue- 2,pp 100-106,2012.
21. **Faiyaz Ahmad** , Saba Khalid “Scalable design of service discovery mechanism for ad-hoc network using wireless mesh network.” International Journal of Smart Sensors and Ad Hoc Networks (IJSSAN) ISSN No. 2248-9738 Vol-2, Issue-2,pp 95-100,2012.
22. **Faiyaz Ahmed**, Saba Khalid, Sahid hussain “Encrypting Data Using The Features of Mimetic Algorithm and Cryptography” International Journal of Engineering Research and Applications (IJERA)ISSN NO.2248-9622 Vol2, Issue-3,May-june2012.
23. **Faiyaz Ahmed**, Fatima Alvi, “A review on Machine learning techniques for the diagnosis of COVID-19”Dogo Rang sang Research Journal ISSN NO.2347-7180 Vol-12, Issue-june2022.(Comm.)
24. **Faiyaz Ahamad**, Fatima Alvi “Service discover mechanism for the diagnosis of covid19 using convolution neural network and hybrid ML Classifier Dogo Rangsang Research Journal ISSN NO.2347-7180 Vol-12, Issue-jan2022(Comm.)

LIST OF PUBLICATIONS(INTERNATIONAL/NATIONAL CONFERENCES)

1. **Faiyaz Ahmad**, Mohd. Usman Khan “Multimodal Data Analysis and Machine Learning Techniques: A Comparison and Review” International conference on Advances in Computational Intelligence and its Applications (ICACIA-2023) from 23rd to 25th February, 2023. KL University, Hyderabad.
2. **Faiyaz Ahamad**, devender kumar “Opinion Extraction from Big Social Data Using Machine Learning Techniques: A Survey” 1st International Conference on Applied Data Science and Smart Systems held on 4th - 5th November 2022 organized by Chitkara University, Punjab (India)
3. **Faiyaz Ahamad**, Mohammad Zunnun, M Suhaib ”Hadoop Based EMH Framework: A big Data Approach” in the International conference on Advance computing and Innovative Technology in Engineering(ICACITE-2021),4th & 5th March 2021.**(Scopus)**
4. **Faiyaz Ahamad**, Mohiyuddin ” Improved Hate Speech Detection System using Multi Layers Hybrid Machine Learning Model” in the International Conference on Computer Vision and Robotics ,August 07-08, 2021.**(Springer)**
5. **Faiyaz Ahamad**, Afroz Alam ” Automatic Driving System by Recognizing Road Signs Using Digital Image Processing” in the International Conference on Computer Vision and Robotics (CVR2021),August 07-08, 2021.**(Springer)**
6. **Faiyaz Ahamad**, Aditya S. Bisht ” Opinion Spamming: Fake Consumer Review Detection” in the International Conference on Computer Vision and Robotics (CVR2021),August 07- 08.**(Springer)**
7. **Faiyaz Ahamad**, Suja Rafeque ” Minimization of Ambulance Response Time Using Image Processing and Critical Path Mapping Based on Traffic Control” in the International Conference on Computer Vision and Robotics, August 07-08, 2021.**(Springer)**
8. **Faiyaz Ahamad**, Anum Kamal ”Path Optimization: A Potential Approach to Path Planning using Deep Learning” in the International conference on recent trends in electrical, Electronic and computer science Engineering(ICEECS-20),10th & 11th January 2020.
9. **Faiyaz Ahamad**, Nikhat “Review of different approaches and analysis of big data security issues” ACEIT-18, Integral University, Lucknow April 6-7 2018.
10. **Faiyaz Ahamad**, Mohd. Rabay “Service discovery mechanism for diagnostic center using Dss” ACEIT-18,Integral University, Lucknow April 6-7 2018.
11. **Faiyaz Ahmed** , Mohd. Talha “Comparison Membership Function of Adaptive Neuro Fuzzy Inference System to fuzzy and Neural network inference system” ETIITC-18, March 17th and 18th 2018,Maulana azad national urdu university Hyderabad school of computer science and information technology.
12. **Faiyaz Ahamad**, Manuj Darbari, Rishi Asthana “ Service Mechanism for Diagnosis of Respiratory Disorder Severity Using Fuzzy logic for Clinical Decision support” Emerging Research in Computing Information Communication and Application. ERCICA, Volume 3, Pages: pp 309-317. 2016.

13. **Faiyaz Ahamad**, Mohd. Rizwan Beg, Rishi Asthana “Service mechanism for Clinical Decision Support System for an Intensive Care Unit “ in International Conference on Multimedia Signal Processing and Communication Technologies IMPACT-2013,IEEE Conference, Aligarh Muslim University,2014.**(Scopus)**
14. **Faiyaz ahamad**, Mohd. Suaib, Mohd. Akbar “Literature Review of Intellectual Property Right Management in India” National Conference on “Internet Security and Cyber Laws” NCISCL-2014, April 5-6, 2014 Department of Computer Science and Engineering, Harcourt Butler Technological Institute, Kanpur.
15. **Faiyaz Ahmed**, Sahid hussain, Saba Khalid “A Language Independent Approaches to Develop Urdu Stemmer” Second International Conference on Artificial Intelligence, Soft Computing and Applications, Springer (AIAA-2012) 13th to 15th july2012.**(Scopus)**
16. **Faiyaz Ahamad**, Nagma Sakiel ” Soft computing approaches are used for packet drop and energy Saving policy during transmission of data in WSN” in the International Conference on Futuristic Trends For Sustainable Ecosystem (FTSE-2021) 26-28th August 2022(Comm.)

BOOK CHAPTER:

1. Dr. Faiyaz Ahamad

Title : “ *Minimization of Ambulance Response Time Using Image Processing and CriticalPath Mapping Based on Traffic Control.*”

Book Title: *Algorithms for Intelligent Systems.*

https://doi.org/10.1007/978-981-16-8225-4_23

Book Subtitle: Computer Vision and Robotics ,pp 295–306, Print ISBN978-981-16-8224-7

Publisher Springer Singapore, Copyright Holder: Springer Science + Business Media Singapore,Date of Publication: 15 March 2022.

2. Dr. Faiyaz Ahamad

Title : “*Opinion Spamming: Fake Consumer Review Detection*”.Book

Book Title: *Algorithms for Intelligent Systems.*

https://doi.org/10.1007/978981-16-8225-4_23

Book Subtitle: Computer Vision and Robotics ,pp 307–317, Print ISBN978-981-16-8224-7 Publisher

Springer Singapore, Copyright Holder: Springer Science + Business Media Singapore,

Date of Publication: 15 March 2022

3. Dr. Faiyaz Ahamad

Title : “*Automatic Driving System by Recognizing Road Signs Using Digital Imageprocessing*”.

Book Title: *Algorithms for Intelligent Systems.*

https://doi.org/10.1007/978-981-16-8225-4_23

Book Subtitle: Computer Vision and Robotics ,pp 329–339, Print ISBN978-981-16-8224-7 Publisher

Springer Singapore, Copyright Holder: Springer Science + Business Media Singapore,Date of

Publication: 15 March 2022

4. Dr. Faiyaz Ahamad

Title : “*Improved Hate Speech Detection System Using Multi-layers Hybrid Machine Learning Model*”.

Book Title: *Algorithms for Intelligent Systems.*

https://doi.org/10.1007/978-981-16-8225-4_23

Subtitle: Computer Vision and Robotics ,pp 341–352, Print ISBN978-981-16-8224-7 Publisher Springer

Singapore, Copyright Holder: Springer Science + Business Media Singapore,15 March 2022

5. Dr. Faiyaz Ahamad

Title : *“Service Mechanism for Diagnosis of Respiratory Disorder Severity Using Fuzzy Logic for Clinical Decision Support System”*.

Book Title: *Emerging Research in Computing, Information, Communication and Applications*

Book Subtitle: ERCICA 2015, Volume 3, Pages: pp 309-317, Copyright 2016 981-10-0287- 8, Publisher Springer Singapore, Copyright Holder: Springer Science + Business Media Singapore, Date of Publication: 10th May 2016

6. Dr. Faiyaz Ahamad

Title : *“Forensic Case Study”*.

Book Title: *Critical Concepts, Standards, and Techniques in Cyber forensics*

Volume 3, Pages:pp 248-264,Copyright 2020 DOI: 10.4018/978-1-7998-1558-7,Print ISBN: 9781799815587, Online ISBN:9781799815600,Publisher IGI Global, Release Nov 2019.

7. Dr. Faiyaz Ahamad

Title : *“Application of Machine learning in forensic science”*.

Book Title: *Critical Concepts, Standards, and Techniques in Cyber forensics*

Volume3,Pages:pp228-239,Copyright2020DOI:10.4018/978-1-7998-1558-7,PrintISBN: 9781799815587, Online ISBN: 9781799815600, Publisher IGI Global, Release Nov 2019.

8. Dr. Faiyaz Ahamad

Title : *“Cyber Forensic Lab Setup and its Requirements”*.

Book Title:*Critical Concepts, Standards, and Techniques in Cyber forensics*

Volume3,Pages:pp103-115,Copyright2020DOI:10.4018/978-1-7998-1558-7,PrintISBN: 9781799815587, Online ISBN: 9781799815600, Publisher IGI Global, Release Nov2019.

9. Dr. Faiyaz Ahamad

Title : *“A Language Independent Approach to Develop Urdu Stemmer”*.

Book Title: *Advances in Computing and Information Technology*

AISC,volume 178, Pages: pp 45-53, Copyright 2013 DOI: 10.1007/978-3-642-31600-5_5, Print ISBN: 978-3-642-31599-2, Online ISBN: 978-3-642-31600-5, Publisher: Springer,Berlin, Heidelberg, Release Date: September 2013.

10. Dr. Faiyaz Ahamad

Title : *“An Integrative Decision Support Model for Smart Agriculture Based on Internet of Things and Machine Learning”*.

Book Title: *Computer Science Advancement,*

Volume 1, Pages: pp 102-124, Copyright 2021 Print ISBN: 978-93-94070-46-2, Publisher: Argon Press, and Release Date: September 2021

EDITED BOOK PUBLICATION (SUBMISSION)

1. Dr. Faiyaz Ahamad

Title: “Latest Technology and Tools Aiding Industry 5.0 Development”

Publish by: Cambridge Scholars Publishing,UK.2023

The Future of the Industrial Economy discusses the integration of product, process, machine, software, and industrial robots in realizing Industry 5.0. It covers the dual integration of human intelligence with machine intelligence and reviews the results of making use of Industrial Internet of Things (IoT) and Artificial Intelligence (AI). The creation of a new category of robots named Collaborative Robots (Cobots) specifically designed to speed up the manufacturing process and profitability is explored.

BOOK PUBLICATION:

1. Dr. Faiyaz Ahamad

Title: ***“Cyber Law and Information Security”***

ISBN:978-93-5119-200-8 Publish by Dreamtech PRESS, September 2013.

The Cyber Law and Information Security book touches almost every important aspect of cyber law and need of information security, such as what is cyber law and how is it used to deal with cyber crimes, fundamental concepts of e-commerce (including models and generations of e-commerce, advantages of e-commerce, e-governance and EDI, e-cash, e-payment, and security threats), ethical issues in data and software privacy, Internet security threats, digital signatures, information security, cryptography, VPN. Concept of networking, IP addressing and sub netting, DNS, DHCP, malicious code.

2. Dr. Faiyaz Ahamad

Title: ***“A COMPLETE INTRODUCTION OF BIG DATA ANALYTICS”***

ISBN: 978-93-92929-32-8 Publish by Blue Hill Publications Pvt. Ltd.2023.

Data analysis is a process of inspecting, cleansing, transforming, and modeling data to get useful information to find a conclusion or make a decision. There are several approaches used in Data Analysis to discover helpful information. Data analysis is widely used in every industry for various purposes, and that's why there is a huge demand for Data Analysts worldwide. This book covers the basic programming fundamentals, professional programming logics and deep concepts of programming in .NET such as the flow control statements in C# and Visual Basic, the basic programming techniques, procedures and procedural programming concepts.

PATENT PUBLICATION

1. Dr. Faiyaz Ahamad

Title: ***“A MEDICAL DEVICE FOR DETECTING CORONAVIRUS SYMPTOMS”***

Utility Model Number and Date: DE 20 2021 103 397 U1 2021.08.12

The Federal Republic of Germany Patent, IPC: A61B5/00

The present disclosure relates to a medical device for detecting corona virus symptoms and preventing corona virus transmission. The device comprises a detachable body having chip-based sensing unit having input plate exposed to an outer surface to receive temperature, pulse rate and oxygen level of a user upon contacting with the body part of the user and a control unit for classifying users in corona virus infected person and non-infected person upon receiving data from the sensing unit and thereby transferring into a block chain based database for storing the received data of temperature, pulse rate and oxygen level of the user; and a central processing unit configured with the database for evaluating data of each and every sensing unit for disallowing a smart authentication entry of the corona virus infected person inside working or institutional space of a campus to avoid virus transmission.

2. Dr. Faiyaz Ahamad

Title: ***“Multi Objective Optimization based decision support system in buying mobile handset”***

Application Number: 202011046787(2021)

Intellectual Property Right, INDIA

The Present Work, examine the mediating role of decision process variables in the use of an online customer buying Mobile handset DSS. We do so through an experimental study of an alternative-based and an attribute-based DSS for product customization by online customers. Using cognitive fit and flow theories, we develop a theoretical model with four mediating decision process variables and two of their antecedents: interface design and task complexity.

3. Dr. Faiyaz Ahamad

Title: “Energy Efficient Security Mechanism for Battery Constrained Light Weighted Devices Using Offline or Pre-processing Approach”

Application Number: 202211001091 A (2022)

Intellectual Property Right, INDIA

Security is the major Concern in IoT and WSN devices. Energy related apprehension increases due to limited battery power, especially when we are dealing with light weighted devices in unattended environment. For providing basic security services, we always prefer symmetric encryption techniques over asymmetric techniques. But asymmetric approaches are the only way to get complete security services like one way authentication. Still we do not prefer to use asymmetric approaches because it consumes more energy in computation than symmetric approaches.

4. Dr. Faiyaz Ahamad

Title: “An Intelligent Hybrid Model for Breast Cancer Detection”

Application Number: 202311004587 (2023)

Intellectual Property Right, INDIA

Breast cancer is significantly increasing the number of deaths each year. It is the most common type of cancer and the leading cause of death worldwide among women. Any improvement for expectation and conclusion of malignant growth infection is capital significant for a solid life. As a result, accurate cancer prediction is essential for updating patient survivability standards and treatment options. Breast cancer detection can be done With a hybrid detection model.

RESEARCH PROJECTS :(Submission)

1. Dr. Faiyaz Ahamad(Principal Investigator)

Title: “Studies on development of early diagnosis system for Respiratory Disorders Problems Using Soft computing Techniques”

Science and Engineering Research Board (SERB), India

Scheme: Core Research Grant, Total Cost (INR): 49,90,000.File Number: CRG/2021/001447

Recent research in the field of medicine has been able to identify risk factors that may contribute toward the development of internal diseases but more research is needed to use this knowledge in reducing the occurrence of internal diseases. Soft Computing technique and methods applied in patient medical dataset has resulted in innovations, standards and decision support system that significant success in improving the health of patients and the overall quality of medical services.

2. Dr. Faiyaz Ahamad

Title: “Study on development of crowd behavior of metropolitan cities using data analytics and machine learning techniques.”

Council of Science & Technology, Uttar Pradesh (UPCST)

Scheme: Core Research Grant, Total Cost (INR): 29,00,000

The proposed work aims to Crowd is refer to a collection or group of individuals. All of us have witnessed or been a part of, crowd at some point of time. Hence, we can safely say that crowd is a very important part of our lives. Crowd analysis is the process of understanding the overall behavior of the crowd and using that understanding to make important inferences such as estimation of the count of people in the crowd or the nature of the crowd. The analysis of crowd can help us to forecast multiple real-world situations such as mob lynching, traffic jams, riots, stampede, violence etc. Using these important predictions, we can notify corresponding authorities beforehand to take preventive actions.

3. Dr. Faiyaz Ahamad

Title: “Studies on development of early diagnosis system for smoking-related lung cancers using Soft Computing Techniques.”

Council of Science & Technology, Uttar Pradesh (UPCST)

Indian Council of Medical Research (ICMR), New Delhi

Scheme: Core Research Grant, Total Cost (INR): 1272,000

Present Research introduces the issue of Smoking-related lung cancers finding and its long-haul genuine impacts. Smoking-related lung cancers is multi factorial sickness having noteworthy hereditary and natural segments, however its pathogen is not somewhat obvious, quite a bit of its description is enlightening, in light of the utilitarian outcomes of aviation routes irritation, GINA (Global Initiative for Respiratory) reported that if there should be an occurrence of Smoking-related lung cancers aviation routes get to be contracted and excited, which influence the numerous cells and cell components of the body. Conclusion of Smoke Related Lung Cancer in advance can assume an essential part in medicinal treatment

4. Dr. Faiyaz Ahamad

Title: *“An Intelligent, Interactive Spectacle for Visually Challenged Persons for Object Detection”*

SEED Money, Integral University Lucknow

Grant, Total Cost (INR): 152,500

The purpose of this project is to make a visually impaired person self-dependent. It will provide a better support to the society. The main aim of this project work is to develop an intelligent, interactive spectacle for visually challenged persons for object identification. The object includes house hold things (table, chair, TV, almirah, etc) that are being interacted with the visually challenged persons in day to day life.

Research Internships in Science and Engineering (Submission)

1. Dr. Faiyaz Ahamad

Title: *“Analysis of Radiographic Image for detection of chronic obstructive pulmonary disease (COPD) Using Deep Learning Technique”*

DAAD RISE (Research Internships in Science and Engineering)

RISE Worldwide is funded by the German Federal Ministry of Education and Research

Lung disease is common throughout the world. These include chronic obstructive pulmonary disease, pneumonia, asthma, tuberculosis, fibrosis, etc. Timely diagnosis of lung disease is essential. Many image processing and machine learning models have been developed for this purpose. Different forms of existing deep learning techniques including convolutional neural network (CNN), vanilla neural network, visual geometry group based neural network (VGG), and capsule network are applied for lung disease prediction.

2. Dr. Faiyaz Ahamad

Title: *“Prediction of Leukemia in human blood samples using Reinforcement learning (RL) Technique”*

DAAD RISE (Research Internships in Science and Engineering)

RISE Worldwide is funded by the German Federal Ministry of Education and Research

Blood cancer has been a growing concern during the last decade and requires early diagnosis to start proper treatment. The diagnosis process is costly and time-consuming involving medical experts and several tests. Thus, an automatic diagnosis system for its accurate prediction is of significant importance. Diagnosis of blood cancer using leukemia microarray gene data and machine learning approach has become an important medical research today. Despite research efforts, desired accuracy and efficiency necessitate further enhancements. This study proposes an approach for blood cancer disease prediction using the supervised machine learning approach.

3. Dr. Faiyaz Ahamad

Title: *“Analysis of EEG signal for detection of Neurological Disorder using Machine Learning Approach”*

Neurological disorders lead to difficulty in daily activities and often lead to the medical assistance for prolonged period of time. These methods include analyzing the EEG signal patterns or by observing the symptoms of the patient. This work proposes a novel approach for detection of neurological disorders based on the phenomena of recurrences that are generally found in EEG signals of the patients with neurological disorders.

Short Term Courses (STC's) / Orientation Program / Faculty Development Program

1. **Dr.Faiyaz Ahamad** Successfully Completed **“Proactive Computer Security”** an online course authorized by **University of Colorado System** and offered through Coursera from Aug2020 to Sept, 2020(Seven Week Programmed).
2. **Dr.Faiyaz Ahamad** Successfully Completed **“CRYPTOGRAPHY”** an online course authorized by **University of Maryland, College Park** and offered through Coursera from Aug2020 to Sept, 2020 (Seven Week Programmed).
3. **Dr.Faiyaz Ahamad** Successfully Completed **“USABLE SECURITY”** an online course authorized by **University of Maryland, College Park** and offered through Coursera from Aug2020 to Sept, 2020(Seven Week Programmed).
4. **AICTE Sponserd QIP Short Term Course “Data Analytics and its Applications in Industries”**Department of Computer Science and Engineering & Department of Electrical Engineering IIT (BHU), Varanasi during 14-16 December 2020.
5. **Faculty Development Program through ICT“Open Source Cyber Security Tools”** Organized by National Institute of Technical Teachers Training & Research at Remote Centre of NITTTR, Chandigarh. (18th May to 22nd May, 2020)
6. **Faculty Development Program on ” Python Programming”** Orgnised by SpokenTutorial Project, IIT Bombay from 01st May to 05th May 2020, remotely at Amity university, Lucknow
7. **Faculty Development Program on ”R-Language for Analytics and Data Science”** Organized by Spoken Tutorial Project, IIT Bombay from 26th April to 30 April 2020, remotely at Amity university, Lucknow
8. **Tools for Engineering Research (ICT43)**
Organized by National Institute of Technical Teachers Training & Research at Remote Centre of NITTTR, Chandigarh. (30th Jan to 3rd Feb, 2017)
9. **Artificial Neural Network and Fuzzy Logic through ICT**
Organized by National Institute of Technical Teachers Training & Research at Remote Centre of NITTTR, Chandigarh. (24th April to 28thApril, 2017)
10. **Microwave Radar Remote Sensing and its Applications**
Organized by Indian Institute of Remote Sensing, Indian Space Research Organization, Organized by Department of Computer Science and Engineering with the collaboration withTNS, Integral University, Lucknow (09th Nov to 13thNov, 2011)
11. **Academic Leadership**
Organized by the Centre for Academic Leadership and Education Management under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching(PMMMNTT) MHRD, Govt. of India and UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh held in Integral University from 17th March'2017 to 23rd March'2017.
12. **Orientation Program**

Organized by the Centre for **Academic Leadership and Education Management** under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) MHRD, Govt. of India and UGC Human Resource Development Centre, Aligarh Muslim University, Aligarh from 24th May'2016 to 20th June'2016.

Department of Space, Govt. of India, Dehradun, India at Integral University, Lucknow.
(April 10, 2017 – April 28, 2017)

13. Router Installation and configuration

Organized by Department of Computer Science and Engineering with the collaboration with TNS, Integral University, Lucknow(09th Nov to 13th Nov, 2011)

14. Faculty Development Planning and Management through ICT

Organized by National Institute of Technical Teachers Training & Research at Remote Centre of NITTTR, Chandigarh. (12th March to 16th March, 2018)

15. Faculty Development Program on MATLAB

Organized by the Department of Electronics and Communication, Integral

University under the aegis of Academic Staff College, Integral University with Technical Collaboration from CEPTA Infotech Pvt. Ltd., Lucknow.(1st Feb to 7th Feb'2016)

16. Faculty Development Program on Data Science and Big Data Analysis

Organized by the Department of Computer Science and Engineering, Integral University with Technical Collaboration from EMC Pvt. Ltd.(1st Sept to 30th Sept'2016)

17. Faculty Development Program on Information Storage Management

Organized by the Department of Computer Science and Engineering, Amity University Lucknow.(9th Jan to 16th Jan'2018)

18. Faculty Development Program on Xcell in Excel

Organized by the Department of Computer Science and Engineering, Integral University Lucknow.(22nd May to 28th May'2018)

19. Faculty Development Program on Perspective of Modern Teaching Techniques & Use of Case Studies Through Experimental Learning

Organized by the Academic Staff College, Integral University Lucknow.(22 Aug to 24th Aug 2015)

20. Faculty Development Program on Advance in Control and its Application in Power Technology

Organized by the Department of Electronics and Communication, Department of Electrical Engineering and HRDC Integral University under the aegis of Academic Staff College, Integral University with Setting up of Electronic and ICT Academics(24th to 28th Sept 2018)

21. Faculty Development Program on Courseware Creation Using Moodle for outcome based education

Organized by the Department of Electronics and Communication and HRDC Integral University under the aegis of Academic Staff College, Integral University with Setting up of Electronic and ICT Academics (15th Nov to 15th Jan 2020)

Workshops , Seminars & Webinar Attended

1. Workshop on “Mission 10X Wipro Technology Workshop”, held in Ramswaroop College of Engineering and Technology for 3 days and 3 times, 2010-11.

2. Workshop on “Economic empowerment of the derived through timely information and its utility” Organized by Integral University, 2nd Feb 2011.

3. Seminar Coordinator of “Ethical Hacking” Organized by Computer Science and Engg. Department, Aug 2012.

4. Workshop on “4G LTE Technology” Organized by Aligarh Muslim university, 24th Nov.2013.
5. Workshop on “Intellectual Property system: India today and tomorrow” Organized by Integral university, 10th jan 2014.
6. Seminar on “Examination Reforms” Organized by National P.G College, 9th feb2014.
7. Workshop on “Industrial Automation” Organized by Integral University, 26th march 2014.
8. Seminar on “ARM Controlled robotics” Organized by Electronic Department, 12thmarch2015.
9. Workshop on “ARM Controlled robotics” Organized by Electronic Department, 11th feb-13th feb 2015.
10. Seminar on “MATLAB” Organized by Electronic Department, 16thsept.2015.
12. Seminar on “Embedded system and robotic” organized by integral university, 22ndsept.2015.
14. Workshop on “Android Development HTML5 Expensive Template” organized by integral university 14th Aug2015.
15. Workshop on “Energy conservation and energy audit” organized by integral university, 26th feb-27th feb 2016.
16. Workshop on “Matlab and photonic crystal” organized by integral university, 20th Feb.2016.
17. Seminar on “modeling simulation and control of mechatronic system” organized by integral university, 17th march 2016.
18. Seminar on “nature Inspired computing 2016” organized by BBD university, 15th Oct 2016.
19. Seminar on “DEFCON international info-seek meet” organized by PNBIT,Lucknow , 10th oct 2016.
20. Oral Lecture on “Evolutionary multi objective fuzzy systems” organized byCSEdepartment, 8th aug 2016.
21. Poster Presentation on “invincible 2016” organized by IMS Ghaziabad 29th Oct 2016
22. workshop on “ Time management and goal setting “organized by integral university, 16th feb 2017.
23. Workshop on “ PYTHON” organized by integral university, 18th jan-19th jan 2017.
24. Workshop on “Cyber security” organized by IMS Ghaziabad ,2nd jan-3rd jan 2017.
25. Workshop on “window 10 security and backup” organized by inurture, 21st march 2018.
26. Workshop on “ Core java training with cloud sim implementation using eclips” organized by integral university, 22nd march-24th march 2018.
27. Seminar on “Following the Research workflow using Elsevier’s Tools” organized byHRDC Integral university lucknow, march 16th 2018.
28. National Webinar On COVID-19:Rise of Cyber Crime and Complain to Cyber Laws,Organized

by, Integral University lucknow, on May 9, 2020.

29. Webinar on Type of Patent in India Conducted by Turnip Innovation, BITS Vadodra on 16th January 2021.

30. One Week International Webinar on Industry4.0: Artificial Intelligence & Related Technology in the duration from July 6, 2020 to July 10, 2020, conducted by Department of Electronics & Communication Engineering, Integral University, Lucknow.

31. Webinar on "INDIAN SPACE PROGRAMME: A JOURNEY" organized by IEI Chapter of Electronics & Communication Engineering and Department of Electrical Engineering, BBDNIIT on July 26, 2020.

32. Webinar on Image Processing & Its Applications organized by the Department of Computer Science & Engineering, BBD University in association with The Institution of Engineers, India on July 26, 2020.

33. One Day International Webinar on Job Expo the duration from Aug 16,2020, conducted by Department of Management, Integral University, Lucknow

Membership/Editorial/Reviewer

1. Technical Program Chair of International conference on Artificial Intelligence (ICAI-2021), Organized by AI Foundation of India, 22nd & 24th May 2021, Lucknow, Uttar Pradesh.
3. Technical Committee Member of International conference on Academic science and engineering (ICASAE-20), 14th & 15th February 2020, IFERP, Punjab.
4. Obtained Certificate of Appreciation for contribution in international conference ACEIT-organized by department of CSE, Integral University Lucknow
5. Member of Editorial Board in International journal of Computer Science and Electrical Engineering.
6. Member of Editorial Board in International Technology Research Letters.
7. Member of Editorial Board in Advance Computational Intelligence: An International journal.
8. Member of Editorial Board in Journal of Clinical and nursing research.
9. Reviewer of VIVECHAN International Journal of research.
10. Reviewer of International Conference artificial intelligence, soft computing and application.
11. Reviewer of International Journal of computer science and electrical engineering.
12. Reviewer of Frontiers of intelligent computing theory and application (Springer).
13. Reviewer of Recent Advancement in computational intelligence.
14. Reviewer of International network and information security grid computing.
15. Program committee member of AEEE.

16. Program committee member of AIAA.
17. Program committee member of AISE.
18. Program committee member of ICEGDD.
19. Program committee member of ACEIT.
20. Member of ISTE Life membership.
21. Member of The Society of Digital Information and Wireless Communications(SDIWC)2021.
22. Member of International Association of Engineers (IAENG) Hong Kong 2021.
23. Member of Computer Science Teachers Association (CSTA)2021.
24. Member of Member of International Association of Computer Science and Information Technology (IACSIT), Singapore.

PhD/M.Tech Thesis Awarded / Submitted / In Progress as Supervisor:

S. No	Name of Student	Title	Supervisor	Status
1.	Mr.Devandra Kumar (PhD)	Opinion extraction from big social data using Machine learning technique.	Dr.Faiyaz Ahamad Department of Computer Science and engineering, Integral University, Lko	Pursuing (Integral University)
2.	Ms. Anum Kamal (PhD)	Deep learning based Chest disease detection using multimodal.	Dr.Faiyaz Ahamad Department of Computer Science and engineering, Integral University, Lko	Pursuing (Integral University)
3.	Mr. Nushrat	Service discover mechanism for whether detection system using Machine Learning Techniques.	Dr.Faiyaz Ahamad Department of Computer Science and engineering, Integral University, Lko	Pursuing (Integral University)
4.	Mr. Usman Khan	An Efficient framework for multimodal data analysis Using Machine learning.	Dr.Faiyaz Ahamad Department of Computer Science and engineering, Integral University, Lko	Pursuing (Integral University)
5.	Diwan Arshad Khan (M.Tech)	Service Discovery Mechanism for Wlan	Dr.Faiyaz Ahamad Department of Computer Science and engineering, Integral University, Lko.	Awarded(Dr. A.P.J. Abdul Kalam Technical University Uttar Pradesh Lucknow)

6.	Mohd Kamran Khan (M.Tech)	Application of Soft computing to establish trade off relationship between complexity of software and software deliverability	Dr.Faiyaz Ahamad Department of Computer Science and engineering, Integral University, Lko.	Awarded (Integral University)
7.	Faizan Ahmad (M.Tech)	Random Point based binary search algorithm	Dr.Faiyaz Ahamad Department of Computer Science and engineering, Integral University, Lko.	Awarded (Integral University)
8.	Obaidullah (M.Tech)	Analysis of user sentiment on social life issues using tweets by Deep learning	Dr.Faiyaz Ahamad Department of Computer Science and engineering, Integral University Lko.	Awarded (Integral University)
9.	Nabeela khan (M.Tech)	Modeling, Designing and Optimization of Biometric system	Dr.Faiyaz Ahamad Department of Computer Science and engineering, Integral University, Lko.	Awarded (Integral University)
10.	Ms.Anum Kamal (M.Tech)	Path Optimization:A Potential Approach to Path Planning using Deep Learning	Dr.Faiyaz Ahamad Department of Computer Science and engineering, Integral University, Lko	Awarded (Integral University)
11.	Mohd Niyaz Ahmad (MBA)	The strategic Implication of Reliability Practices in Oil and Gas Industry Finance Management	Dr.Faiyaz Ahamad Department of Computer Science and engineering, Integral University, Lko	Awarded (UPES Dehradun)
12.	Sadaf Saquib (M.Tech)	Evaluation of Security Challenges for Escalating Software Platforms	Dr.Faiyaz Ahamad Department of Computer Science and engineering, Integral University, Lko.	Awarded (Integral University)
13.	Durba Das Gupta	Black Listing Peers in Prioritization and Punish Method.	Dr.Faiyaz Ahamad Department of Computer Science and engineering, Integral University, Lko.	Awarded (Integral University)
14.	Fatima Alvi	Designing a model for speech synthesis using HMM	Dr.Faiyaz Ahamad Department of Computer Science and engineering, Integral University, Lko.	Awarded (Integral University)
15.	Deepika Dhawan	Task Scheduling Management for load balancing Using Task Grouping based on Cloud Computing.	Dr.Faiyaz Ahamad Department of Computer Science and engineering, Integral University, Lko.	Awarded (Integral University)

Duties which are successfully completed in the current assignments

1. Member of INTELLECTUAL PROPERTY RIGHTS MANAGEMENTCELL (IPRMC).
2. Mentor of Centre for Incubation and Entrepreneurship Development (CIED).
3. Team Member of Integral University Robotics Lab.
4. Member of School Outreach Activates in Integral University.
5. Teaching B.Tech, M.Tech & PhD Computer Science and Engineering students
6. Program Coordinator M.Tech Computer science and Engineering.
7. Convener of NAAC Criteria IV in Computer science and Engineering.
8. Member, Dept Asset management and faculty Board Member.
9. Guiding U.G. and P.G. students for dissertation and research project work.
10. Guiding students for Doctorate of Philosophy (PhD) in Computer Science and Engineering.
11. As member of the proctorial board providing assistance in order to maintain law and order in university hostels and campus.
12. Organizing national and international conferences and workshops in the area of Emerging Trend of Computer Science, Ethical Hacking and Cyber Security in Science & Technology.
13. Coordinator of External practical Examinations of C.S.E. Department from last 15 Years.
14. Coordinator of lecture arrangement of the CSE and I.T. Department.
15. Seminar Coordinator of final year B.Tech students.
16. Member of Alumni Association of Integral University.
17. Member of Discipline Committee of C.S.E. and I.T. Department.
18. Fully involved in AICTE & NAAC Accreditation team of CSE Department.
19. Fully involved in Development of R&D Cell of CSE&I.T Department.
20. Have been a Sports Coordinator for last 4 years.
21. Have been a course Coordinator for many times.
22. Core Team Member of Fiesta for Cultural Committee.
23. Core Team Member of Convocation for Lunch and Refreshment Committee.

Extra Curricular Activities:

- Participated in U.P. state Basketball championship regularly 6 Years as the caption of Sonebhadra distt. Basketball team.
- Participated in Science Congress in 1999 which was held in Patna, on the subject Transportation and communication.
- Participated in Jawar Lal Nehru Science Congress in 1999, this was held in Patna, on the topic „Water Pollution and its sources“.
- Participated in Regional volleyball championship in 2002 and 2003 in Gonda and Jagdeeshpur.

Research Related References

Address

Dr. Shahid Hussain
Assistant Professor
College of Applied Science
Salalah College
Oman

Contact details

E-mail
dr.mohdshahid.sal@cas.edu.om

Dr. Mohammad Haroon
Associate Professor
Department of Computer Science
Integral University
India

E-mail
mharoon@iul.ac.in

Personal Information

Date of Birth:	17 th April, 1982
Place of Birth:	Lucknow
Natinality:	Indian
Martial Status:	Married
Sex:	Male
Languages known:	English (US), Hindi, Arabic and Urdu
Passport NO:	W4145665
Date of Expiry:	18/10/2032

Declaration

Hereby, I declare that all the above details are true and correct to the best of my knowledge

Place: Lucknow

(Dr.FAIYAZ AHAMAD)

Date: