



TO THE RECTOR OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE A022

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Studi Storici dell'Università degli Studi di Milano**

Scientist- in - charge: Prof. Aslan Sinem

[Name and surname]

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	KAJLA
Name	Nadeem Iqbal

PRESENT OCCUPATION

Appointment	Structure
Assistant Prodessor	Tenured Track Assistant Professor from 06-10-2021

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
PhD	Computer Science	The Islamia University of Bahawalpur	06-04-2021
Master Degree	Computer Science	Air University	26-05-2016
Master	Computer Science	Virtual University	03-05-2013
M.Ed.	Masters in Education	University of Education	25-08-2016
B.Ed	Bachelors in Education	The Islamia University of Bahawalpur	24-06-2013
Bachelour (BSc)	Advanced Computer Studies	Bahaudin Zikariya University	27-09-2005
Intermediate	Science	BISE Multan	31-07-2003
Matric	Science	BISE Multan	20-07-2001

FOREIGN LANGUAGES

Languages	level of knowledge
English	Fluent



AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2016	Appreciation-Contribution Towards WURI Rankings 2024
2023	Microsoft Imagine Cup 2023 Regional Level
2023	First Place at Berlin Falling Walls idea competition
2023	Best Presenter Award at International conference on AI and Emerging Trends 2023
2023	Best Paper award at International conference on AI and Emerging Trends 2023

TRAINING OR RESEARCH ACTIVITY

Worked as PhD researcher in Laboratoire Informatique, Image et Interaction (L3i) in 2019 and worked under the supervision of Dr. Micakel Coustaty
Participate in AI Week at Technische Hochschule Lübeck in November 2023
Faculty Professional Development Training Program, August-September 2023
Training on Generative Artificial Intelligence Tools for Higher Education February, 2024
Training on Advancing Teaching Excellence Strategies for Effective Higher Education Instructions & Professional Development September 2023
International Workshop on Climate Smart Water-Fertilizer Intelligent System for Cotton and Wheat March 2022
Training on Outcome Based Education and Assesment Systems November 2021

PROJECT ACTIVITY

Year	Project
2024	I am PI of Using Artificial Intelligence from Illness to Eco-wellnes jointly funded Campus France and HEC Pakistan for the duration of three years.
2024	Developed a Non Invasive Pneumonia Detection device, that detects pneumonia by taking the sample of patient's breath
2024	Dengue Larvae Detection Device using AI and IoT that detects larvae in stagnant water
2023	AI Based Beehive to control Colony collapse disorder in beehives.this project won Microsoft Imagine cup at regional level and secured first place at Berlin Falling walls idea pitching competition and was presented in the grand finale on the occasion of Berling Falling walls anniversary in Nobember 2023

PATENTS

Patent
Artificial Intelligence Based Beehive to control Colony Collapse Disorder (Submission No. 635/2023 dated 22 September 2023)



CONGRESSES AND SEMINARS

Date	Title	Place
January, 9-10 2024	Role of AI in Agriculture and Ecosystem	Institute of CS & IT, The Women University, Multan
November, 8th 2023	Revitalizing Agriculture and Ecosystems with Artificial Intelligence	Technische Hochschule Lübeck, Germany
November, 29-30 2023	Orgnized 1st International Conference on AI and Emerging Technology	Institute of Computing, MNS University of Agriculture, Multan
20-05-2023	Sustainable Beekeeping Practices with Smart Hive Monitoring and Predictive Analytics	4rd International Conference on Bee Pollination and Conservation, MNSUAM Pakistan
29-11-2023	IOT Based Real Time Emergency Healthcare Monitoring System using Machine Learning Application in Edge Devices	1st International Conference on AI and Emerging Technology, MNSUAM Pakistan

PUBLICATIONS

Articles
Kajla, Nadeem Iqbal, et al. "A histogram-based approach to calculate graph similarity using graph neural networks." <i>Pattern Recognition Letters</i> (2024).
Kajla, Nadeem Iqbal, et al. "Graph neural networks using local descriptions in attributed graphs: an application to symbol recognition and hand written character recognition." <i>IEEE Access</i> 9 (2021): 99103-99111.
Kajla, Nadeem Iqbal, et al. "Additive angular margin loss in deep graph neural network classifier for learning graph edit distance." <i>IEEE Access</i> 8 (2020): 201752-201761.
Awan, Malik Daler Ali, Nadeem Iqbal Kajla, Amnah Firdous, Mujtaba Husnain, and Malik Muhammad Saad Missen. "Event classification from the Urdu language text on social media." <i>PeerJ Computer Science</i> 7 (2021): e775.
Ali Awan, Malik Daler, Sikandar Ali, Ali Samad, Nadeem Iqbal, Malik Muhammad Saad Missen, and Niamat Ullah. "Sentence Classification Using N-Grams in Urdu Language Text." <i>Scientific Programming</i> 2021, no. 1 (2021): 1296076.
Iqbal, Nadeem, et al. "On video based human abnormal activity detection with histogram of oriented gradients." <i>Handbook of Multimedia Information Security: Techniques and Applications</i> (2019): 431-448.
Mehmood, Muhammad Rehan, Nadeem Iqbal Kajla, Malik Daler Ali Awan, Malik Muhammad Saad Missen, Muhammad Umar Chaudhry, and Amnah Firdous. "Accident Alert System of Vehicle and Life Security using IoT Devices and Image Processing." <i>Journal of Computing & Biomedical Informatics</i> 4, no. 01 (2022): 197-206.
Younas, Hafiza Iqra, Sarah Bukhari, Fatima Bukhari, Naeem Aslam, Hafiz Muhammad Sanaullah Badar, and Nadeem Iqbal Kajla. "An Efficient Methodology for the Classification of Invasive Ductal Carcinoma Using Transfer Learning." <i>Journal of Computing & Biomedical Informatics</i> 4, no. 01 (2022): 236-250.
Ullah, Saif, Nadeem Iqbal, Ali Haider Khan, Muhammad Sajid, Zohaib Ahmad, Haroon Ahmad, and Muzammil Hussain. "EMPOWERING AGRICULTURE: A GREEN REVOLUTION WITH INTERNET OF ENERGY-DRIVEN FARM ENERGY MANAGEMENT FOR SUSTAINABLE AND ECO-FRIENDLY PRACTICES." <i>Journal of Population Therapeutics and Clinical Pharmacology</i> 30, no. 19 (2023): 975-992.
Bukhari, Fatima, Shaista Ilyas, Laiba Rehman, Humera Batool Gill, Khadija Kanwal, and Nadeem Iqbal Kajla. "Blockchain and Big Data to Revolutionize Archaeological Photogrammetry (AP): A Safe and Effective Method." <i>Journal of Computing & Biomedical Informatics</i> 4, no. 02 (2023): 249-268.



Rehman, Durdana, Muhammad Ahsan Jamil, Hafiz Muhammad Sanaullah Badar, Malik Daler Ali Awan, Muhammad Umar Chaudhry, and Nadeem Iqbal Kajla. "Enhancing Crop Production and Water Conservation through IoT-Based Smart Irrigation Systems." <i>Journal of Computing & Biomedical Informatics</i> 5, no. 01 (2023): 96-104.
Naqvi, Gulfraz, Zunaira Anwar, Aiza Asim Khan, Aqsa Ahmad, Hafiz Muhammad Sanaullah Badar, and Nadeem Iqbal Kajla. "Advancements in Facial Expression-Based Automatic Emotion Identification Using Deep Learning." <i>Journal of Computing & Biomedical Informatics</i> 5, no. 01 (2023): 165-173.
Aslam, Fatima, Abdul Razzaq, and Nadeem Iqbal Kajla. "Augmented Reality based DNA Learning: An Innovative Educational Tool for Students." <i>Journal of Computing & Biomedical Informatics</i> 6, no. 01 (2023): 97-107.
Zafar, Ubaid Bin, Hafiz Hamza, Nadeem Iqbal Kajla, Hafiz Muhammad Sanaullah Badar, Syed Ali Nawaz, and Muhammad Nasir Siddique. "Advancing Glioblastoma Diagnosis through Innovative Deep Learning Image Analysis in Histopathology." <i>Journal of Computing & Biomedical Informatics</i> (2024).
Khan, Aiman Mujtaba, Amjad Ali, Imran Khurshid, Nadeem Iqbal Kajla, and Muhammad Ahsan Jamil. "Evaluating User Experience and Functionality in Blood Pressure Mobile Applications." <i>STATISTICS, COMPUTING AND INTERDISCIPLINARY RESEARCH</i> 6, no. 2 (2024): 113-132.

Articles in reviews
Comic Character Recognition using Graph Embedding in Graph Representations, 2nd Revision submitted, IJDAR (Springer), 2024, Initial Submission 2022

Congress proceedings
Smart livestock monitoring and management system using wearable internet of things and cloud services, Abstract, MNSUAM Pakistan, 2022
Convolutional Neural Network based Approach to save Honeybees, MNSUAM Pakistan, 2022
Weed detection and spraying architecture using deep learning, Abstract , MNSUAM Pakistan, 2023
Multispectral Based Reflective Analysis for Identification of Pink Bollworm in Cotton Crop Abstract, MNSUAM Pakistan, 2023

OTHER INFORMATION

<p>In Last 3 year after my PhD, I have the following achievements.</p> <ol style="list-style-type: none">1. One Patent2. One international Funded project jointly funded by Campus France and HEC Pakistan (15000 Euros campus France and 3.456 Million PKR HEC)3. produced 7 masters students4. surprising 2 PhD students5. Won Microsoft imagine cup at regional level6. Won first position at Berlin Falling Walls ideas pitching competition 20237. Published 21 research articles (11 of which are as main author)8. featured at national Television PTV National9. two letter of appreciation from my university's ORIC10. Invited to international university Germany for collaboration (MoU signed with Technische Hochschule Lübeck)



11. established collaboration with French Lab Laboratoire Informatique, Image et Interaction (L3i), University of La Rochelle France.
12. Organized one International Conference at my university

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that **CV WILL BE PUBLISHED** on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: Pakistan, 07-12-2024