Soyiba Jawed

Assistant Professor

College of Electrical & Mechanical Engineering

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About

Dr. Soyiba Jawed is working as Assistant Professor in the College of Electrical & Mechanical Engineering. Dr. Soyiba Jawed has a PhD in Biomedical Engineering. Dr. Soyiba Jawed has published 13 research articles & conference papers having a citation count of 45, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Biomedical Engineering   2016 - 2021
  Universiti Teknologi Petronas , Malaysia

MSc in Electrical and Electronic Engineering   2008 - 2009
  University of Leicester , United Kingdom

BSc in Computer Engineering   2002 - 2006
  COMSATS Institute of Information Technology, Islamabad , Pakistan

Experience

Assistant Professor   2023- Present
  College of Electrical & Mechanical Engineering

Researcher   2022 - 2023
  Brno University of Technology , Bozetechova 1/2, Brno Czech Republic

Research Articles

Examining AI-Powered ADHD Diagnosis: Current Trends, Key Challenges, and Future Directions in the Field

2025

Soyiba Jawed Ahmad Rauf Subhani Wasi Haider Butt Muhammad Usman Akram Qurat Ul Ain

IEEE Access , Volume 13, Pages 93148-93177

Impact Factor: 3.600 | **Quartile:** 2

DOI: 10.1109/ACCESS.2025.3567427

Deep learning based approaches for intelligent industrial machinery health management and fault diagnosis in resource-constrained environments.

2025

Ali Saeed Muazzam A Khan Muhammad Usman Akram Waeal J. Obidallah Soyiba Jawed Awais Ahmad

Scientific Reports , Volume 15, Article Number: 1114

Impact Factor: 3.800 | **Quartile:** 1 | **Citations:** 11

DOI: https://doi.org/10.1038/s41598-024-79151-2

Deep Learning-Based Assessment Model for Real-Time Identification of Visual Learners Using Raw EEG

2024

Soyiba Jawed Ibrahima Faye Aamir Saeed Malik

IEEE Transactions on Neural Systems and Rehabilitation Engineering, Volume 32, Pages 378-390

Impact Factor: 4.9 | **Quartile:** 1 | **Citations:** 13

DOI: 10.1109/TNSRE.2024.3351694

Hemispheric asymmetries in electroencephalogram oscillations for long-term memory retrieval in healthy individuals

2020

Soyiba Jawed Hafeez Ullah Amin Aamir Saeed Malik Ibrahina Faye

Brain Sciences , Volume 10, Issue 12, Article Number 937

Impact Factor: 3.394 | **Quartile:** 3 | **Citations:** 1

DOI: https://doi.org/10.3390/brainsci10120937

Classification of visual and non-visual learners using electroencephalographic alpha and gamma activities

2019

Soyiba Jawed Hafeez Ullah Amin Aamir Saeed Malik Ibrahina Faye

Frontiers in Behavioral Neuroscience, Volume 13, Article Number 86

Impact Factor: 2.512 | **Quartile:** 2 | **Citations:** 20

DOI: https://doi.org/10.3389/fnbeh.2019.00086

Conference Proceedings

EEG emotion classification using deep neural network
2024

Veronika Vengerová Soyiba Jawed Sophia Bano Aamir Saeed Malik

17th International Conference on Machine Vision (ICMV 2024), res.country(231,)

Citations: N/A

DOI: Nil

Diagnosing ADHD with 1D-CNN: Efficient Analysis of fMRI Data
2024

Qurat Ul Ain Soyiba Jawed

17th International Conference on Machine Vision (ICMV 2024), res.country(231,)

Citations: N/A

DOI: Nil

A Cross-domain Vision Transformer Based Framework for Baggage Threat Classification
2024

Ammara Nasim zawar Khan Taimur Hassan Soyiba Jawed Muhammad Usman Akram Jahan Zeb

International Conference on Computer and Automation Engineering (ICCAE) , res.country(13,)

Citations: N/A

DOI: https://doi.org/10.1109/ICCAE59995.2024.10569367

Effective eeg feature selection for interpretable mdd (major depressive disorder) classification
2023

Vojtech Mrazek Soyiba Jawed Muhammad Arif Aamir Saeed Malik

GECCO 2023 - Proceedings of the 2023 Genetic and Evolutionary Computation Conference, res.country(183,)

Citations: N/A

DOI: 10.1145/3583131.3590398

Deep learning-based diagnosis of Alcohol use disorder (AUD) using EEG
2022

Soyiba Jawed Aamir Saeed Malik Rusdi Bin Abd Rashid Mohamad Naufal Mohamad Saad

IEEE International Conference on Consumer Electronics - Berlin, ICCE-Berlin, res.country(57,)

Citations: N/A

DOI: 10.1109/ICCE-Berlin56473.2022.9937134

EEG Visual and Non- Visual Learner Classification Using LSTM Recurrent Neural Networks
2018

Soyiba Jawed Hafeez Ullah Amin Aamir Saeed Malik Ibrahina Faye

2018 IEEE-EMBS Conference on Biomedical Engineering and Sciences (IECBES), res.country(157,)

Citations: N/A

DOI: 10.1109/IECBES.2018.8626711

Differentiating between Visual and Non-Visual Learners Using EEG Power Spectrum Entropy
2018

Soyiba Jawed Hafeez Ullah Amin Aamir Saeed Malik Ibrahina Faye

International Conference on Intelligent and Advanced System, ICIAS 2018, res.country(157,)

Citations: N/A

DOI: 10.1109/ICIAS.2018.8540571

Performance and cost evaluation of IEEE 802.11g and 802.3i protocols for network connectivity at a university campus using OPNET simulation
2013

Arslan Musaddiq Umair Sajid Hashmi Soyiba Jawed

UKSim 15th International Conference on Computer Modelling and Simulation, UKSim 2013, res.country(231,)

Citations: N/A

DOI: 10.1109/UKSim.2013.111

Editorial Activities

Frontiers in Psychiatry
2025

Reviewed Papers for Journals

Impact Factor: 3.2

Frontiers In Human Neuroscience
2024

Reviewed Papers for Journals

Impact Factor: 2.4

Frontiers in Neuroscience
2023

Reviewed Papers for Journals

Impact Factor: 2.9