

CURRICULUM VITAE

DR. NAVEED SHEIKH

Date of Birth AUGUST 21st, 1982
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Websites' URLs

UoB <https://www.uob.edu.pk/departments/Mathematics/Faculty.php>

Research Links

Google Scholar <https://scholar.google.com/citations?user=1n8rUnAAAAAJ&hl=en>

ResearchGate https://www.researchgate.net/profile/Naveed-Sheikh-4?ev=hdr_xprf

ORCID <https://orcid.org/my-orcid?orcid=0000-0001-6632-273X>

EDUCATION

Degree	Year	Subject	University
Doctor of Philosophy (PhD.)	2015	Mechatronics	(AIT), Asian Institute of Technology, Bangkok,
Master of Science (MS/M.Phil.)	2010	Mechatronics	(AIT), Asian Institute of Technology, Bangkok, Thailand.
Master of Science (M.Sc.)	2003	Mathematics	(UoB), University of Balochistan, Quetta, Pakistan.
Bachelor of Science (B.Sc.)	2001	Physics, Mathematics (Pure), Mathematics (Applied)	(UoB), University of Balochistan, Quetta, Pakistan.

AREAS OF EXPERTISE

- Computer/Programming:

MATLAB, Octave, Mathematica, GeoGebra, Python.

Windows based computing platform: MS Office, Word, Excel, PowerPoint, Visio.

RESEARCH INTERESTS

- Mathematical Modeling
- Material Sciences
- Artificial Intelligence (AI)
- Artificial Neural Network (ANN)
- Machine Learning and Deep Learning
- Fuzzy Logic Theory
- Fluid Dynamics
- Robotics
 - (i) Agriculture Robots
 - (ii) Industrial Robots
 - (iii) Medical Robots
 - (iv) Humanoid Robots
 - (v) Miniature Robots

COURSES DEVELOPED

Courses Developed for M.Phil./Ph.D. Programs at Department of Mathematics University of Balochistan

- Machine Learning
- Artificial Neural Network (ANN)
- Advance Artificial Neural Network
- Robotics
- Advance Robotics
- Fuzzy Logic Theory

Courses Developed for BS Programs at Department of Mathematics University of Balochistan

- Mechanics
- Linear Algebra
- Introduction to Machine Learning
- Differential Equations
- Introduction to Artificial Neural Network (ANN)
- Introduction to Robotics
- Dynamics

PROFESSIONAL EXPERIENCE

- **Assistant Professor** at Department of Mathematics and Department of Renewable Energy, University of Balochistan Quetta, Pakistan (**Joined TTS 26th November 2016 to date**)
- Responsibilities include:
 1. **Teaching courses** such as Differential equations, Linear Algebra, Fluid Dynamics, Mechanics, Dynamics Machine Learning, Mathematical Methods, Advance Artificial Neural Network, Robotics, Advance Robotics, Artificial Neural Network (ANN), Advance Artificial Neural Network and Fuzzy Logic Theory
 2. **Research supervision** of MS/PhD and BS students of Mathematics and Renewable Energy Department.
 3. **Chairperson Department of Renewable Energy**, University of Balochistan, (UoB), Quetta, Pakistan.
- **Lecturer (Mathematics)** at University of Balochistan Quetta, Pakistan (07-2005 to 06-2016)
Responsibilities included: Teaching courses such as Differential equations, Linear Algebra, Fluid Dynamics, Mechanics, Dynamics and Mathematical Methods, to Master's students and supervising research work.

Administrative Experience

- Chairperson (Department of Renewable Energy)
- Coordinator of Post graduate (Ph.D./MS) Program of Study
- Coordinator of Undergraduate (M.Sc.) Program of Study
- Member of the Department Admission Committee (DAC)
- Member of the Department Semester Committee (DSC)

THESIS/DISSERTATION

PhD. in Mechatronics Engineering (Industrial System Engineering) (2015)

- **Thesis Title:** DESIGN, ANALYSIS AND FABRICATION OF MEMS BASED AMBIENT ENERGY HARVESTING SYSTEM .
Link: <http://mailserv02.ait.ac.th/ait-thesis/detail.php?q=B08960>
- **University:** Department of Mechatronics, (AIT), Asian Institute of Technology, Bangkok, **Thailand**

MS/M.Phil. in Mechatronics Engineering (Industrial System Engineering) (2010)

- **Thesis Title:** ANALYSIS OF MEMS BASED HEPARIN INFUSION PUMP FOR WEARABLE ARTIFICIAL KIDNEY SYSTEM (WAK).
Link: <http://mailserv02.ait.ac.th/ait-thesis/detail.php?q=B03315>
- **University:** Department of Mechatronics Engineering, (AIT), Asian Institute of Technology, Bangkok, **Thailand** (**3.5/4.00 CGPA**)

PUBLICATIONS

2025

1.	Maria Nafees, Dr. Syed Sheraz Ul Hasan Mohani, Engr.Dr. Shamim Akhtar, Naveed Sheikh , Mir Rahib Hussain Talpur, Maria Soomro6	Human–Robot Collaboration in Industrial Automation: Leveraging AI-Driven Interfaces to Enhance Productivity, Task Adaptability, and Workplace Safety	Annual Methodological Archive Research Review	Vol 3 issue (5)	Page 314-335	2025	https://amresearchreview.com/index.php/Journal/article/view/187 Y-Category
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2024

1.	Shams-ul-Islam, Bai Mbye Cham, Zia-ul-islam & Naveed Sheikh	Fluid flow control around unequal cylinder spacing behind three side-by-side cylinders	Journal of the Brazilian Society of Mechanical Sciences and Engineering	Vol 46 issue (10)	Page 605	2024	https://link.springer.com/article/10.1007/s40430-024-05186-1 Impact Factor 1.8 W-Category
2.	Shahjahan, Naveed Sheikh , Abdul Rehman, Misbah Anjum	Development of Face Recognition System Using Support Vector Machine Algorithm	European Journal of Applied Science, Engineering and Technology	vol.2, issue 3,	pp. 214-227	2024	https://ejaset.com/index.php/journal/article/view/90
3.	Rehan Kausar, Farhat Iqbal, Abdul Raziq, Naveed Sheikh & Abdul Rehman	Enhanced Foreign Exchange Volatility Forecasting using CEEMDAN with Optuna-Optimized Ensemble Deep Learning Model	Sains Malaysiana	Vol. 53, issue 9	pp. 3229-3239	2024	https://www.ukm.my/jsm/pdf_files/SM-PDF-53-9-2024/25.pdf W-Category
4.	Muhammad Yasin, Naveed Sheikh , Abdul Rehman, Raheela Manzoor, Rabail	Facial Mask Classification Using a Modified Deep Learning Transfer Model with Machine Learning	Kurdish Studies	vol. 12, issue. 3	pp. 390 - 402	2024	https://www.ukm.my/jsm/pdf_files/SM-PDF-53-9-2024/25.pdf W-Category

		Techniques During the Covid-19 Disease Outbreak Rizvi, Aneela Ahsan					
5	Naveed Sheikh , Asma Naem, Sajida Parveen, Abdul Rehman, Misbah Anjum, Muhammad Yasin, Raheela Manzoor	Prediction of Cardiovascular Diseases Through Machine Learning Algorithms: A Supervised Model	<i>Kurdish Studies</i>	vol. 12, issue. 5	pp. 818-822	2024	https://kurdishstudies.net/menu-script/index.php/KS/article/view/3345 W-Category
6	Naveed Sheikh , Sajida Parveen, Abdul Rehman, Asma Naem, Misbah Anjum, Komal Shahid, Muhammad Yasin	Comparative Study of Fake News Detection using Navie Bayes and Logistic Model	<i>Kurdish Studies</i>	Vol 12, Issue 5	Pp 1008 - 1015	2024	https://kurdishstudies.net/article-detail/?id=3390 W-Category
7	Raheela Manzoor, Shazia Kalsoom, Tyyaba Safdar, Farida Panezai, Neelam Panezai, Naveed Sheikh , Muhammad Yasin	Transition of Flow Past Five Square Obstacles in Tandem Arrangement at Distinct Gap Spacing	<i>Kurdish Studies</i>	Vol 12 issue 4	Pp 1719 -173	2024	https://kurdishstudies.net/article-detail/?id=3614 W-Category
8	Nelofer Jamil, Heera Anam, Raheela Manzoor, Rabail Urooj, Farida Behlil, Sadaf Ashraf, Habiba Taj, Musarat Riaz, Bashir Ahmad Bangulzai, Naveed Sheikh , Muhammad Yasin	Sustainable Irrigation System to Decrease Carbon Footprint and Increase Yield of Citrullus Lanatus L.	<i>Kurdish Studies</i>	Vol 12 issue 4	Pp 1732 -1736	2024	https://kurdishstudies.net/article-detail/?id=3615 W-Category

2023

1.	Rehan Kausar, Farhat Iqbal, Abdul Raziq, Naveed Sheikh	Sains Malaysiana	A hybrid approach for accurate forecasting of exchange rate prices using VMD-CEEMDAN-GRU-ATCN model	52(11) (2023): Pp3293-3306	2023	http://doi.org/10.17576/jsm-2023-5211-20 (W-Category)
2.	Muhammad Umar Farooq,	American Journal of Modern Physics	Annular Axisymmetric Stagnation Flow of a Casson Fluid Through	Volume 12, Issue 3 Pp 47-53	2023	http://ajmphys.org/article/10.11648/j.ajmp.20231203.12

	Abdul Rehman, Naveed Sheikh		Porous Media in a Moving Cylinder			
3.	Kalsoon Sherazi, Naveed Sheikh , Misbah Anjum, Arbab Ghulam Raza	Journal of Asian Scientific Research	Solar drying experimental research and mathematical modelling of wild mint and peach moisture content	Volume 13 Issue 2 Pp 94	2023	https://www.proquest.com/docview/3153500004?pq-origsite=gscholar&fromopenview=true&sourcecetype=Scholarly%20Journals
4.	Shakira Hussain, Naveed Sheikh , Misbah Anjum, Arbab Ghulam Raza, Rabail Rizvi	Journal of Asian Scientific Research	Mathematical modelling of COVID-19 pandemic in Pakistan with optimal control	Volume 13 Issue 1, Pp 28	2023	https://www.proquest.com/docview/3152617910?pq-origsite=gscholar&fromopenview=true&sourcecetype=Scholarly%20Journals

2022

1.	Anwar Ali Sanjrani, Junaid Baber, Maheen Bakhtyar, Ihsan Ullah, M Shumail Naveed, Waheed Noor, Abdul Basit, Azam Khan, Naveed Sheikh	Journal of Intelligent & Fuzzy Systems	Extended framework for Sindhi numerals OCR using gradient orientation histograms	Volume 43, Issue 2 Pp 2045-2056	2022	https://doi.org/10.3233/JIFS-219304 (W-Category) Impact Factor 1.7
2.	Imran Sabir, Junaid Baber, Atiq Ahmed, Naveed Sheikh , Maheen Bakhtyar, Azam Khan, Varsha Devi	Journal of Intelligent & Fuzzy Systems	Deep transferable learning on heartbeat classification for imbalance dataset	Volume 43, Issue 2 Pp 2057-2067	2022	https://doi.org/10.3233/JIFS-219305 (W-Category) Impact Factor 1.7
3.	Naseer-U-Din, Abdul Basit, Ihsan Ullah, Waheed Noor, Atiq Ahmed, Naveed Sheikh	Journal of Intelligent & Fuzzy Systems	Brain tumor detection in MRI scans using single shot multibox detector	Volume 43, Issue 2 Pp 1985-1993	2022	https://doi.org/10.3233/JIFS-219298 (W-Category) Impact Factor 1.7
4.	Mamoona Zahid, Farhat Iqbal, Abdul Raziq, Naveed Sheikh	Sains Malaysiana	Modeling and forecasting the realized volatility of Bitcoin using realized HAR-GARCH-type models with jumps and inverse leverage effect	51(3)(2022): Pp 929-942	2022	http://doi.org/10.17576/jsm-2022-5103-25 (W-Category)
5.	Zia-ul-Islam, Shams-ul-Islam, Chao Ying Zhou	Journal of the Brazilian Society of Mechanical	Numerical study of reduction of fluid forces acting on a square	Volume 44, article number 4	2022	https://link.springer.com/article/10.1007/s40430-021-03312-x (W-Category)

	& Naveed Sheikh	Sciences and Engineering	cylinder using a control plate			
6.	Ghulam Shah, Abdul Rehman, Naveed Sheikh	Am. J. Appl. Math	Heat transfer analysis over the boundary layer stagnation-point flow of couple stress fluid over an exponentially stretching sheet	Volume 10, Issue 3, Pp 100-105	2022	https://www.sciencepublishinggroup.com/article/10.11648/j.ajam.20221003.13
7.	NAJEEB ULLAH, NAVEED SHEIKH , ALI AHMED, SALEEM IQBAL, DAWOOD KHAN, MEHMOOD KHAN, KHALIDA MIR ALAM, MUHAMMAD UMAR FAROOQ	International Journal of Multidisciplinary (EUROPEAN ACADEMIC RESEARCH)	Insertion of Pythagorean fuzzification in PU-algebras	Vol. X, Issue 5	2022	https://euacademic.org/PastIssueList.aspx?artid=115

2021

1.	Abdul Raziq , Naveed Sheikh , Muhammad Rafique , Ghulam Murtaza , Arbab Muhammad Jehandad , Muhammad Alam Tareen	LINGUISTICA ANTVERPIENSI A,	Forecasting Fertility and Child Mortality Rates of Pakistan Using Time Series Model	V 2021 Issue 2, Pp 1194-1213	2021	https://shorturl.at/n17gb (W-Category)
2.	Abdul Raziq , Ghulam Murtaza , Muhammad Rafique , Naveed Sheikh , Khuram Shahzad, Arbab Muhammad Jehandad	LINGUISTICA ANTVERPIENSI A,	Renewable Electricity Consumption, Foreign Direct Investment and Economic Growth in Pakistan: An ARDL Approach and Regression Analysis	Issue 2 Pp 1214 - 1227	2021	https://d1wqtxts1xzle7.cloudfront.net/78113813/Renewable_Electricity_Consumption_Foreign_Direct_Investment_and_Economic_Growth_in_Pakistan._ARDL_Approach-libre.pdf?1641384351=&response-content-disposition=inline%3B+filename%3DRenewable_Electricity_Consumption_Foreign_Direct_Investment_and_Economic_Growth_in_Pakistan._ARDL_Approach-libre.pdf&Expires=1745772262&Signature=...

						ure=cifNIRZn1Xxx8qczn3XkO3PfUNi kfzJVwFfC2gsDLt nemBQ3teH1~8mlPplbum8dQoA-rClrBmhniBb~x3gZGFkowhmCIEbJWj5GsqG5BSH5uDoQI12hf6oVIF9JaKw4w630dEBJ84H4WE3hRENoC9K4Z7udkVHPJ55PSxp~vwIPXufSdIoBQ6J48dHVEIkG0rVISCzH1vcPodLUSj7zMLgPdfu3qhTD9DWqpL9ZIpysyV9G6ZWIMTAXmjjBH1NK6uEsC9npakLiZHQhnd0~OE6RCuIp7Z1h9JKvkW653ItzyNsbh307syaSRK9yj2IOIEIN13TnWNE03mxbMrnHTA_&Key-Pair-Id=APKAJLOHF5GGSLRBV4ZA (W-Category)
3.	Durdana Munir, Naveed Sheikh , Abdul Raziq, Abdul Rehman, Abdul Basit, Ihsan Ullah, Dawood Khan	LINGUISTICA ANTVERPIENSI A,	Blood Pressure Estimation Using Artificial Neural Network and Multitaper Model	Issue 2 Pp 4041 – 4052	2021	https://shorturl.at/enF1t (W-Category)
4.	Dawood Khan, Abdul Rehman, Saleem Iqbal, Naveed Sheikh	Punjab University Journal of Mathematics	Some Results of Self-Maps in PU-Algebra	Vol 53, No 3 (2021)	2021	http://111.68.103.26/journals/index.php/pujm/article/view/Article/4385 (X-Category)
5.	Muhammad Shafiq, Naveed Sheikh , Dawood Khan	International Journal of Systems Science and Applied Mathematics	Topological Structure of Fuzzy PU-new Ideal in PU-algebra	Vol 6(4): Pp 125-130	2021	https://shorturl.at/RcSVq
6.	Farah Deba, A Rahman, Zahida Khan, Saleem Iqbal, Naveed Sheikh	International Journal of system Engineering	Flow of a Williamson fluid over a stretching sheet containing nanoparticles	Vol 5(1): Pp13-17	2021	https://www.sciencepublishinggroup.com/article/10.11648/j.ijse.20210501.12

7.	Khan Muhammad, Naveed Sheikh , Abdul Rehman	Mathematical Modelling and Applications	Mathematical Modeling, Design and Development of Light-Weight Polyvinyl Chloride (PVC) Pipe Based Quadrotor for Monitoring an Outdoor Environment	Vol ; 6(1): Pp10-16	2021	https://www.sciencepublishinggroup.com/article/10.11648/j.mma.20210601.12
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2020

1.	Muhammad Umar Farooq, Abdul Rehman, Naveed Sheikh , Manzoor Iqbal	International Journal of Systems Science and Applied Mathematics	Axisymmetric Flow Through a Cylinder with Porous Medium	Vol 5(3): Pp 32-35	2020	https://www.sciencepublishinggroup.com/article/10.11648/10051270
2.	Muhammad Khalid, Junaid Baber, Mumraiz Khan Kasi, Maheen Bakhtyar, Varsha Devi, Naveed Sheikh	IEEE 43 rd International conference on telecommunication s and signal processing (TSP)	Empirical evaluation of activation functions in deep convolution neural network for facial expression recognition	Pp 204-207	2020	https://ieeexplore.ieee.org/abstract/document/9163446
3.	Zahida Khan, Abdul Rehman, Naveed Sheikh , Saleem Iqbal, Ejaz Shah	American Journal of Mathematical and Computer Modelling	Boundary Layer Flow of a Nanofluid Through a Permeable Medium Due to Porous Plate	Vol 5(4): Pp 97-101	2020	https://www.sciencepublishinggroup.com/article/10.11648/j.ajmc.20200504.11
4.	Dawood Khan, Abdul Rehman, Naveed Sheikh , Saleem Iqbal, Israr Ahmed	International Journal of Management and Fuzzy Systems	Properties of Discrete Dynamical System in BCI-Algebra	Vol 6(3): Pp 53-58	2020	https://www.sciencepublishinggroup.com/article/10.11648/j.ijmfs.20200603.12
5.	MUHAMMAD ASIF1 SALEEM IQBAL, MUDASSAR IQBAL, NAVEED SHEIKH MUHAMMAD NAEEM	International Journal of Multidisciplinary (EUROPEAN ACADEMIC RESEARCH)	Techniques for Solving a Certain Class of Partial Differential Equation by Fractional Fourier Transform	Vol. VIII, Issue 3	2020	https://euacademic.org/PastIssueList.aspx?artid=89

2019

1.	N Ambreen, A Rehman, N Sheikh , S Iqbal, M Zulfiqar	Indian Journal of Science and Technology	Boundary-layer flow and heat transfer over a rotating porous disk in a non-Newtonian Williamson nanofluid	Volume: 12, Issue: 38, Pages: 1-8	2019	https://indjst.org/articles/boundary-layer-flow-and-heat-transfer-over-a-rotating-porous-disk-in-a-non-newtonian-williamson-nanofluid
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2.	Amina Panezai, Abdul Rehman, Naveed Sheikh , Saleem Iqbal, Israr Ahmed, Manzoor Iqbal, Muhammad Zulfiqar	American Journal of Mathematical and Computer Modelling	Mixed convective magnetohydrodynamic heat transfer flow of Williamson fluid over a porous wedge	Vol 4(3): Pp 66-73	2019	https://www.sciencepublishinggroup.com/article/10.11648/j.ajmc.m.20190403.13
3.	Muhammad Rashid, Naveed Sheikh , Arbab Raza, Abdul Raziq, Abdul Rehman, Junaid Baber, Abdul Basit	American Scientific Research Journal for Engineering, Technology, and Sciences (ASRJETS)	Development of Dynamic Modeling and Fuzzy Logic System by Classical and Modern Strategies for the Control of Quadcopter	Volume 62, No 1, pp 108-114	2019	https://asrjetsjournal.org/index.php/American_Scientific_Journal/article/view/5413
4.	MUHAMMAD NAEEM NAVEED SHEIKH , MUDASSAR IQBAL, MUHAMMAD ASIF DURDANA MUNIRAND SAMINA NAZ	International Journal of Multidisciplinary (EUROPEAN ACADEMIC RESEARCH)	Applying (A.I) Algorithms to Stabilize the Cooling State in a 3-Dimension Continuous Casting Process	Vol. VII, Issue 6/	2019	https://euacademic.org/PastIssueList.aspx?artid=80

2018

1.	Azizullah Kakar, Naveed Sheikh , Bilal Ahmed, Saleem Iqbal, Abdul Rahman, Saboor Ahmad Kakar, Arbab Raza, Samina Naz, Junaid Babar	International Journal of Advanced Computer Science and Application	Systematic analysis and classification of cardiac rate variability using artificial neural network	Vol. 9, No. 11	2018	https://thesai.org/Publications/ViewPaper?Volume=9&Issue=11&Code=IJACSA&SerialNo=106
2.	Saboor Ahmad Kakar, Naveed Sheikh , Adnan Naseem, Saleem Iqbal, Abdul Rehman, A Kakar, Bilal Ahmad Kakar, Hazrat Ali Kakar, Bilal Khan	International Journal of Advanced Computer Science and Applications	Artificial neural network based weather prediction using Back Propagation Technique	Vol. 9, No. 8,	2018	https://thesai.org/Publications/ViewPaper?Volume=9&Issue=8&Code=IJACSA&SerialNo=59
3.	Saeeda Saeed, Junaid Baber, Maheen Bakhtyar, Ihsan Ullah, Naveed Sheikh , Imam	International Journal of Advanced Computer Science and Applications	Empirical evaluation of svm for facial expression recognition	Vol. 9, No. 11,	2018	https://thesai.org/Publications/ViewPaper?Volume=9&Issue=11&Code=IJACSA&SerialNo=95

	Dad, Anwar Ali Sanjrani					
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2017

1.	Abdul Rehman, Naveed Sheikh	International Journal of Fluid Mechanics & Thermal Sciences	Boundary Layer Stagnation-Point Flow of Micropolar Fluid over an Exponentially Stretching Sheet	Vol 3(3): Pp 25-31	2017	https://www.sciencepublishinggroup.com/article/10.11648/j.ijfmts.20170303.11
2.	Haroon Rasheed, Abdul Rehman, Naveed Sheikh , Saleem Iqbal	Applied and Computational Mathematics	MHD boundary layer flow of nanofluid over a continuously moving stretching surface	Vol. 6(6): Pp 265-270	2017	https://www.sciencepublishinggroup.com/article/10.11648/j.acm.20170606.15

2013

1.	Naveed Sheikh , Nitin Afzulpurkar, Muhammad Waseem Ashraf	Journal of Nanomaterials	Robust nanogenerator based on vertically aligned ZnO nanorods using copper substrate	Volume 2013 Issue 1 Pages 861017	2013	https://onlinelibrary.wiley.com/doi/full/10.1155/2013/861017 Impact Factor JCR list 2013 (1.611)
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2012

1.	Naveed Sheikh , Muhammad Waseem Ashraf, Nitin Afzulpurkar, Muhammad Sohail and Shahzadi Tayyaba	Bahria University Journal of Information & Communication Technology	Protein sensor for the waste dialysate material	Vol. 5, Issue 1 Pp 19-22	2012	https://shorturl.at/kR4kC
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2010

1.	Jafar Khan Kasi, Ajab Khan Kasi, Nitin Afzulpurkar, Naveed Sheikh	IEEE 2nd International Conference on Mechanical and Electronics Engineering	Performance Analysis of Commercially Available Piezoelectric Based Energy Harvester	Volume 2 Pages V2-307-V2-312	2010	https://ieeexplore.ieee.org/abstract/document/5558420
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RESEARCH SUPERVISION

Ph.D. Supervision

S. No	Name of Scholar	Dissertation Title	Year
1	Imran Sabir	<i>Decision Making and Prediction in Health Care of Cardiac Diseases using Algorithm of Deep Learning</i>	2018 (Thesis Accepted Waiting for Final Defense) Paper accepted in Impact factor Journal
2	Arbab Ghulam Raza	<i>Humanoid Hand Mobility Classification by Manipulating Multi-Channel Myoelectric Control Capability</i>	2018 (Paper Submitted)
3	Mr. Sardar Mohammad	<i>Neural Ordinary Differential Equations Based Deep Learning for Image Segmentation</i>	Working on Journal Paper
4	Mr. Muhammad Yasin	<i>Recognition of Facial Mask Using Modified Deep Learning Transfer Model with Machine Learning Technique</i>	Thesis submitted. Paper accepted in Impact factor Journal
5	Sadia Parveen	<i>AI Enhanced Strategies for Volatility Based Risk Management and Portfolio Optimization in Bitcoin Investment</i>	Working on Journal paper
6	Asma Naeem	<i>A Comprehensive Study of the Impact of Artificial Intelligence on Analyzing and Predicting Cryptocurrency Behavior</i>	Working on Journal Paper
	Total No.	Six	06

M.Phil. Supervision (as Supervisor)

S.No	Name of Scholar	Thesis Title	Year
1	Mr. Aziz ullah Kakar	<i>Systematic Analysis and Classification of Cardiac Rate using Artificial Neural Network.</i>	Graduated (Defended in 2020)
2	Mr. Saboor Ahmed Kakar	<i>Analysis of Weather Forecasting Through Artificial Neural Network.</i>	Graduated (Defended in 2020)
3	Ms. Samina Naz	<i>Prediction of Blood Glucose Level (BGL) on Junk Food Consumers using Artificial Neural Network and Logistic Regression Model</i>	Graduated (Defended in 2023)
4	Ms. Durdana Munir	<i>Blood Pressure Estimation of Energy Drinkers using Artificial Neural Network and Multitaper power Spectrum Estimation.</i>	Graduated (Defended in 2023)
5	Mr. Mohammad Naeem	<i>Applying Artificial Intelligence (AI) Algorithms to Stabilize the Cooling State in a 3-Dimension Continuous Casting.</i>	Graduated (Defended in 2020)

6	Mr. Khan Muhammad	<i>Modified Wings/Frame Design of a Low-Cost Unmanned Aerial Vehicle (UAV) Quadrotor by using the plastron/Rubber Air Tube for Vertical takeoff and Landing on Water and Dry Surfaces.</i>	Graduated (Defended in 2022)
7	Muhammad Rashid	<i>Development Of Dynamic Modeling and Fuzzy Logic System by Classical and Modern Strategies for The Control of Quadcopter</i>	Graduated (Defended in 2022)
8	Mr. Muhammad shafiq	<i>Topological Structure of Fuzzy PU-new ideal in PU-algebra</i>	Graduated (Defended in 2022)
9	Ms. Shakira Hussain	<i>Mathematical Modeling of Covid-19 in Pakistan with Optimal Control</i>	Graduated (Defended in 2023)
10	Mr. Muhammad Saleem	<i>Real Time Object Identification Through Convolution Neural Network Based on YOLO Algorithm</i>	Graduated (Defended in 2024)
11	Mr. Najeeb Ullah	<i>Pythagorean Fuzzification in PU-Algebra and Approximation</i>	Graduated (Defended in 2023)
12	Ms. Kalsoom Sherazi	<i>Solar Drying Experimental Research and Mathematical Modeling of Wild Mint and Peach Moisture Content</i>	Graduated (Defended in 2023)
13	Mr. Najeeb Ullah	<i>Pythagorean Fuzzification in PU- Algebra and Approximation</i>	Graduated (Defended in 2023)
14	Farishta	<i>Comparison of Image Compression Accuracy Using Traditional and Deep Learning Methods</i>	Waiting for Paper Acceptance
15	Komal Shahid	<i>Advanced Predictive Modeling for Radio Resource Control Session in Long Term Evolution (LTE)</i>	Working on Research Paper
16	Mr. Shahjahan	<i>Development of Face Recognition System Using Support Vector Machine Algorithm</i>	Graduated (Defended in 2025)
17	Mr. Azhar Manzoor	<i>A Quad-Copter Featuring Atmospheric Sensing Capabilities</i>	Waiting for Paper Acceptance
	Total No	Seventeen	17

LANGUAGES

- English
- Urdu
- Sindhi
- Thai (spoken)

AWARDS, FELLOWSHIPS AND GRANTS

- UOB-AIT Fellowship for PhD by University of Balochistan

FOREIGN EXPOSURE

- Thailand (seven years)
- China (2013)
- Singapore (2014)
- Saudi Arabia (2017)

REFERENCES

- **Dr. Nitin Afzulpurkar**, Professor/Dean, Engineering Sciences at (AIT), Asian Institute of Technology, Bangkok, **Thailand**, Pathumthani, Thailand
Email: afzulpurkar.n@gmail.com
- **Prof. Manukid Parnichkun**: Vice President for Academic and Research (VPAR) / Chairperson of Academic Senate at (AIT), Asian Institute of Technology, Bangkok, **Thailand**, Pathumthani, Thailand
Email: manukid@ait.ac.th