

Permanent Faculty (Electrical)



Engr. Dr. Sameer Qazi
(Associate Professor)

HoD Electrical
PhD (Computer Networks), UNSW, Australia
MS. (Telecom), UNSW, Australia
BE. (Electrical), PNEC-NUST, Pakistan

Profile

Dr. Sameer Qazi is currently working as HoD & Associate Professor in the College of Engineering at Karachi Institute of Economics and Technology, Pakistan. Prior to joining KIET he has worked in WorldCALL Broadband Ltd and at PNEC-NUST (as Assistant Professor) and DHA Suffa University (as HoD Electrical Engineering). He has authored over 25 publications in indexed journals and conferences.

Research Interest

Computer Network Optimization Problems, Routing Protocols, Compressed Sensing, Cloud Computing and Applications of Networking to Smart Cities and Smart Transportation.



Dr. Imran Naseem
(Professor)

PhD Electrical Electronics & Computer Engg.) UoWA
MS Electrical Engineering, KFUPM
BE Electrical Engineering, NEDUET

Profile

Dr Imran Naseem received his B.E. (Electrical Engineering) degree in 2002 from the NED University of Engineering and Technology, Pakistan. He did his M.S. (Electrical Engineering) in 2005 from the King Fahd University of Petroleum and Minerals (KFUPM), KSA and PhD in 2010 from The University of Western Australia. He did his post doctorate at the Institute for Multi-sensor Processing and Content Analysis, Curtin University of Technology, Australia. He joined the College of Engineering, KIET, Pakistan in 2011 where he is currently an Associate Professor. He is also an Adjunct Research Fellow at the School of Electrical, Electronic and Computer Engineering at The University of Western Australia. His research interests include pattern classification and machine learning with a special emphasis on biometrics and bioinformatics applications. He has authored several publications in top journals and conferences including IEEE Transactions on Pattern Analysis and Machine Intelligence, IEEE International Conference on Image Processing etc. His benchmark work on face recognition has received more than 180 citations in less than four years.

Research Interest

Signal Processing, Biometrics, Machine Learning, Pattern Classification

Permanent Faculty (Electrical)



Dr. Muhammad Arif
(Asstt. Professor)

PhD. (Telecommunication), KIET University, Pakistan (July. 2018).
MS (Telecommunication Engineering), Iqra University, Pakistan, 2013.
M.Sc (Physics), Federal Urdu University, Pakistan, 2008

Profile

Dr. Muhammad Arif has completed PhD with distinction in July 2018 from PAF KIET University, Karachi, Pakistan. He has more than 6 years of research experience in the field of adaptive signal processing during PhD and masters degrees. He has also done research work at King Abdul Aziz University, Saudi Arabia during his PhD degree program. He is actively engaged with academic research institutes for working in collaboration in the field of adaptive signal processing for single-agent and multi-agent environments. He has been associated with PAF-KIET as Assistant Professor since January 2015. He has 6 research journal papers in ISI indexed journals and presented multiple papers at national and international conferences.

Research Interest

Adaptive signal processing, artificial neural networks, estimation for single-agent and multi-agent environments, Image processing, 4G,5G wireless communication systems.



Dr. Muhammad Mazher Iqbal
(Asstt. Professor)

PhD. (Embedded Systems), KIET, Karachi, Pakistan (2018).
MS (Telecom. & Networks), Bahria University, Karachi, Pakistan, (2009).
BE (Computer Engineering), Bahria University, Karachi, Pakistan, 2003.

Profile

Dr. Mazher Iqbal has successfully completed his PhD 2018 from KIET, Karachi, Pakistan. During his Ph.D., he has succeeded to publish 06 international research articles, 02 out of them are published in ISI indexed international journals. He has more than 10 years of teaching experience. During his Ph.D., he became a part of a collaborative research project with Umm-Al Qura University, KSA. The project was based on the exploration of new logic blocks for FPGAs, which can allow sharing of SRAM tables among NPN equivalent functions. Moreover, he has also actively participated in a research project funded by ICTRnD, Pakistan. He has been associated with KIET since January 2015.

Research Interest

Reconfigurable Computing, CAD tool and Design optimizations for FPGA, Deep Neural Networks on FPGA.



Engr. Kamran Ali Khan
(Asstt. Professor)

BE, (Computer System), NEDUET

Profile

Mr. Kamran Ali Khan has a vast experience in the field of Digital Systems' Design, Computer Architecture and Computer Networks. He has been into academics for the last 18 years and have extensively contributed in teaching and curriculum design of engineering courses. Mr. Khan is also engaged with Pakistan's Electronic Media in the capacities of researcher and anchor person. Before joining KIET he has served in FAST – NUCES, Bahria University and Caltex Oil, Pak, Ltd.

Research Interest

Embedded Systems

Permanent Faculty (Electrical)



Engr. Sajjad Hussain
(Asstt. Professor)
MBA, AIOU
MSc, Electrical Engg, NEDUET
BE, Electrical Engg, NEDUET

Profile

Mr. Sajjad Hussain did his BE & MS in Electrical Engineering from NED University and Project Management from McGill University, Montreal, Canada. He has over 15 years professional experience with renowned organizations like K-Electric, Siemens Pakistan and DHA Cogen Ltd.

He had been associated as Visiting Faculty with higher education institutes since 2004 with NED University, Institute of Business Management (CBM), ZABIST, BIZTEK prior to joining KIET as a full time Faculty member in 2012.

Research Interest
Project Management
and Professional Ethics



Engr. Shoaib Idrees
(Asstt. Professor)
Ph.D. (In-Progress)
ME, (Industrial Control &
Automation), HU
BE, (Electronics), Dawood College of
Engineering

Profile

Mr. Shoaib Idrees has seven years of university level teaching experience. His expertise is in fields of Control Engineering, Power Electronics, Instrumentation and Electrical Machines. Before joining KIET he served in Bahria University and Indus Institute of Higher Education.

Research Interest
Power Electronics



Engr. Mustafa Asgar Ali
(Asstt. Professor)
MS, (Electrical), MSU, USA
BE (Electrical), Dawood College of
Engineering

Profile

Mr. Mustafa Asgar Ali has vast experience in Communication Industries and has designed several projects related to Electronic Communication Systems. He has served as Assistant Professor in NED University and NUST and has developed expertise in teaching in modern Communication subjects.

Research Interest
Micro strip Circuit
Design

Permanent Faculty (Electrical)



**Engr. Saba Javed
(Asstt. Professor)**

PhD (In-progress), KIET
MS, (Electronics), KIET
BE (Industrial Engg), IIEE

Profile

Ms. Saba Javed is an Industrial Electronics Engineer with specialization in Automation and Control. She did her Masters from KIET. She is still serving as an External Examiner at IIEE.

Research Interest
Applied Powers and Controls



**Engr. Faizan Jawaid
(Asstt. Professor)**

Ph.D (In-Progress)
MS (Electronics), KIET
BE (Electronics), KIET

Profile

Mr. Faizan Jawaid is working as Assistant professor at College of Engineering, PAF- KIET. Before joining KIET, he served as Junior Engineer – Electrical & Instrumentation in Pharmatec Pakistan Pvt Ltd. He has also been engaged in various industrial automation projects as consultant design engineer. He is also the Patron of KIET Robotics Club at College of Engineering, KIET.

Research Interest
MPPT of Solar PV Systems, Robotics & Industrial Automation



**Engr. Muhammad Aatif
Shahbaz
(Asstt. Professor)**




ME, (Computer Architecture & System Design), (In-Progress)
BE (Computer Information System), NEDUET

Profile

Mr. Aatif Shahbaz has started his career as a software developer at Master-key System. Later he joined KIET to pursue his R&D interests and still serving in the field of academia.

Research Interest
Digital Logic Designing, System Programming, Operating Systems

Permanent Faculty (Electrical)

	<p>Engr. Syed Safi Uddin Qadri (Asstt. Professor) PHD (Electronics) In Progress, KIET ME (Telecommunications Engineering), HU BE (Telecommunications Engineering), HU</p>	<p>Profile Mr. Syed Safi Uddin Qadri is working as a Assistant Professor at College of Engineering, PAF- KIET. Before joining KIET, he served as a Lecturer and before as a Lab Engineer at Hamdard University Karachi. He has more than three years of teaching experience. He is also doing PhD in (Electronics) from KIET.</p>	<p>Research Interest Communications, Signal Processing, Image Processing and FPGA-based System design.</p>
	<p>Engr. Farah Sabir (Lecturer) ME. (Electrical power systems), NEDUET BE. (Electrical), DHA SUFFA</p>	<p>Profile Miss Farah is working as Lecturer at KIET-CoE. She has completed her ME in Electrical Engineering (Power Systems) from NEDUET. She has completed her Bachelors from DHA SUFFA University in Electrical Power systems.</p>	<p>Research Interest Electrical power systems & Electrical machines & Machine Learning.</p>
	<p>Engr. Ashar Ali Qureshi (Lab Engineer) ME (Electronics), NEDUET BE (Electronics), KIET</p>	<p>Profile Lab Engineer, KIET</p>	<p>Research Interest Digital IC Design, Embedded System</p>

Permanent Faculty (Electrical)



**Engr. Noor Ul Ain
(Lab Engineer)**
MS (Electronics)
(In-Progress), KIET
BE (Electronics), KIET

Profile

Miss Noor has been working as a Lab Engineer for two years. She has completed her graduation from KIET and currently doing her master from KIET in Signal Processing.

Research Interest

Machine Learning,
Pattern Classification,
Time Series Prediction,
Image Processing



**Engr. Bilal Sanauddin
Pirzada
(Lab Engineer)**
BE (Electrical Engineering),
DHA Suffa University.

Profile

Bilal Sanauddin Pirzada has completed his Bachelors in Electrical Engineering from DHA Suffa University and was awarded with a Gold medal for securing First position in his batch. The appointment of Mr Bilal will further strengthen the engineering faculty at KIET.

Research Interest

Power generation using
renewable energy,
Electronics and
Robotics.

Permanent Faculty (Mechatronics)



Engr. Dr. Muzaffar Mahmood
(Professor)
PhD (AE), CIT, UK
M.Sc (AE), CIT, UK
BE (Mechanical Engg.), NED

Profile

Dr Muzaffar Mahmood has over 30 years experience in academics and industry. He retired as a Pro-Vice Chancellor and Professor from NED University of Engineering and Technology, Karachi. During his service, besides teaching and research he was responsible for the developmental work at the University, especially establishing new departments, notably Textile, Biomedical and Marine. He has supervised four PhD projects and has over 18 research publications.

Research Interest
Applied Energy, Power Plants and Applied Statistics



Engr. Dr. Muhammad Bilal Kadri
(Professor)
HoD Mechatronics Engineering
DPhil (PhD), Engg. Science, Oxford, UK
BS, (Computer System Engineering), GIKI

Profile

Dr. Muhammad Bilal Kadri completed his DPhil from University of Oxford, UK in 2009. His research area is Neuro-Fuzzy Control. The title of his DPhil thesis was "Disturbance Rejection in Information Poor systems using Model Free Neuro-Fuzzy Control". He worked under the supervision of Professor Arthur L. Dexter. He was a member of Lincoln College, University of Oxford. Dr. Kadri earned his BS in Computer System Engineering from Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (I), Pakistan in May 2002. He served as an Assistant Professor from October 2009 to August 2014 in the Department of Electronics & Power Engineering at PN Engineering College, National University of Science & Technology (NUST). From September 2014 to January 2018 he worked as an Associate Professor in the Mechatronics Department, College of Engineering, KIET. Currently he is working as a Professor and Head of Mechatronics Department in the College of Engineering at PAF-Karachi Institute of Economics and Technology (KIET), Karachi, Pakistan. His research area is Control and Robotics. He has authored/co-authored 20 research papers in reputable international journals and 38 research papers in international conferences. He has over 18 years of teaching and research experience. Dr. Kadri is HEC Approved PhD Supervisor and also PEC Certified Program Evaluator (PEV) for OBE Based Accreditation

Research Interest
Control Engineering, System Identification, Optimization and Robotics



Dr. Adil Loya
(Asstt. Professor)
PhD, (Mechanical and materials Engg.),
University of Hertfordshire
BE, (Aerospace Engineering),
University of Hertfordshire.

Profile

Dr. Adil has done his PhD from University of Hertfordshire, UK and is associated with KIET since 2016. He is also working as Assistant professor. He has authored and Co-authored 7 publications in high impact journals, and 3 papers in international conferences.

Research Interest
Molecular dynamics, Aerospace design and analysis & Automotive design and analysis

Permanent Faculty (Mechatronics)



Engr. Shaukat Ali Shaikh
(Lecturer)
BS in M.E GIK
MS E.S NEDUET

Profile

Completed his BS in Mechanical Engineering from GIK Institute of engineering and Technology in 2017. Currently he is pursuing his MS in ENERGY SYSTEMS from NEDUET

Research Interest

Geothermal energy extraction, Wind turbine blades aerodynamics



Ms. Bushra
(Lecturer)
ME (Electronics), NED UET
BE. (Industrial Electronics), Mehran UET

Profile

Backed by the immense experience in electronics field, Ms. Bushra is currently working as a lecturer in College of Engineering (CoE), KIET. She did her B.E in Electronics from Mehran UET and M.E in Industrial Electronics from NEDUET, Karachi. She is teaching electronics related subjects at the moment. Furthermore, she has research interests in the field of control engineering and robotics.

Research Interest

Control System, AI and Robotics



Engr. Muhammad Duraid
(Lecturer)
ME (Mechanical Design), NEDUET
BE (Industrial & Manufacturing), NEDUET





Profile

Mr. Duraid is currently working as lecturer in College of Engineering (CoE), KIET. He received his B.E. (Industrial & Manufacturing) degree from NEDUET and M.E. (Mechanical Design) degree from NEDUET, Pakistan. He is competent in design and manufacturing technology. Currently teaching Manufacturing technology and workshop. Moreover, he is research oriented towards computer aided design and manufacturing. Currently, he is working on research papers and projects related with designing of aerovehicle parts.

Research Interest

Working on research papers and projects related with designing of aerovehicle parts. Quality assurance of parts, Mechanical components in robotics

Permanent Faculty (Mechatronics)

 <p>Engr. Sofia Yousuf (Lecturer) MS (Electronics), KIET B.E.(Electronics), NEDUET.</p>	<p>Profile Miss Sofia joined KIET on 22nd August 2017. She is working as a lecturer in Mechatronics Engineering Department, KIET. She completed her Bachelor's degree from NED University in Electronic Engineering in 2012. She has also worked in IMR (Intelligent Mobile Robots) Project funded by ICTR&D at KIET.</p>	<p>Research Interest Image Processing, Sensors, Design of Estimation Algorithms, Controls.</p>
 <p>Engr. Osama Anis (Lecturer) ME (Design and Development Mechanical and Automotive) Hochschule Esslingen, Germany. BE (Mechanical), NED UET.</p>	<p>Profile Mr. Osama Anis joined KIET on 13th January 2020. He is currently working as a lecturer in Mechatronics Engineering Department. He has completed his Bachelor of Engineering (B.E) in Mechanical Engineering from NED University, Karachi in 2012 and Master of Engineering (M.E) in Design and Development in Mechanical and Automotive from Hochschule Esslingen. University of Applied Sciences, Germany in 2018. Moreover, He has more than 5 years of industrial experience. He worked for reputable organizations like "Atlas Honda, Allied Engineering Service Ltd and Thomson Neff GmbH".</p>	<p>Research Interest CAD/CAM, Machine Design, Finite Element Analysis, Mechanical Vibration & Fracture Mechanics.</p>
 <p>Engr. Muhammad Tehreem (Lab Engineer) B.E.(Electronics), NEDUET.</p>	<p>Profile Mr. Muhammad Tehreem has been associated as a Lab Engineer with KIET since June 2019. He has completed his B.E in 2015 and currently enrolled in Masters (Electronics) in KIET.</p>	
 <p>Engr. Hamza Hamid Taimuri (Lab Engineer) BE (Mechatronics), KIET</p>	<p>Profile Mr. Hamza Hamid Taimuri is working as a Lab Engineer in Mechatronics Department of KIET</p>	<p>Research Interest Control engineering, Embedded system design</p>

Permanent Faculty (Avionics)



**Dr. Syed Arsalan Jawed
(Professor)**

HoD Avionics
PhD. (Analog IC Design and Micro-Electronics) FBK & University of Trento
MS. (System-on-Chip), Linkoping University Sweden
BE. (Computer Systems), NEDUET

Profile

Dr. Arsalan did his PhD in analog/mixed-signal Integrated Circuit (IC) design from University of Trento, Italy in 2009. He is currently HOD Avionics at KIET and the Director of Electronic Devices, Circuits and Systems Research Group. He has worked with reputed organization such as ST Microelectronics, Analog Devices, NESCOM, Open-Silicon, EFABLESS and KACST. He has published more than 30 papers in ISI indexed journals and peer-reviewed international conferences. He holds two patents and several other patents are being reviewed by USPTO. He has been actively involved in establishing international collaboration at KIET with KACST-KSA, IROI-China, UAEU-AIAin, EFABLESS-USA and Ohio-State-USA. He is the Principal Investigator of ICTRNd Funded project on Monolithic CMOS Microsystems

Research Interest

Smart Sensor Readout
Integrated Circuit Design,
High speed IO Design for
Wired Communication,
Multispectral Imaging
Integrated Circuit Front-
end Design, Data-
Converters, Low- Power
and Low-noise
Preamplifiers for MEMS
and Opto-Electrical
devices.



**Engr. Dr. Shahid Baqar SI (M)
(Associate Professor)**

PhD (Electrical Engineering), Cranfield University, Shrivenham, UK.
MS (Avionics), CAE, NUST Risalpur.
BSc (Honours) in War Studies, Air War College, Faisal, University of Karachi.
BE (Avionics Engg), College of Aeronautical Engineering, PAF Academy, Risalpur.

Profile

Dr SHAHID BAQAR SI(M) is a PhD graduate, with a total of 31 years combined experience of higher education management, teaching and research experience along with electronics systems development, management and maintenance for Pakistan Air Force. Well conversant with HEIs financial regulations, academic statutes and Human resource hiring, development and retention

Research Interest

Electronic Warfare,
ELINT, RWR, ECCM,
Electro-Optics Infra-Red
(EO/IR) and Lasers,
RF Microwave, Radars
and Passive sensors,
Airborne Avionics
Systems for Fighter
Aircraft and UAVs.



**Engr. Syed Najeeb Haider Jafri
(Asstt. Professor)**

BE Avionics, CAE
MBA Marketing
B.Sc Defense & Strategic Studies (Air War College)

Profile

Syed Najeeb Haider Jafri is associated with KIET since 22-Sep-2008 and is performing as Director College of Engineering since 2014. Mr. Jafri has served Pakistan Air Force for 31 years. He is an Avionics Engineer and has an extensive experience of Aircraft and Radar System Engineering. He has also received degree in Strategic Studies and Human Resource Management. He spearheaded the manufacturing of Pakistan's first Airborne Radar at PAC Kamra

Research Interest

Avionics, AI, Image
Processing, Virtual
Retina Display and
Direct Voice Input

Permanent Faculty (Avionics)



Dr. Sarmad Ahmed Shaikh
(Asstt. Professor)

PhD. (Information Technology), Alpen-Adria University, Klagenfurt, Austria (Sept. 2018)
MS (Electronics Engineering), Sabanci University, Istanbul, Turkey, 2015
BS (Telecom Engineering), FAST-NUCES, Pakistan, 2011

Profile

Dr. Sarmad A. Shaikh has completed PhD with distinction in September 2018 from Alpen-Adria University, Klagenfurt, Austria. He has more than 5 years of research experience in the field of RF/microwave engineering and antenna designing while doing PhD and masters degrees. He has also done research work at Cambridge University, UK for short period of time during his master degree program. He is actively engaged with industrial as well as academic research institutes for working in collaboration. He has been associated with KIET as Assistant Professor since October 2018. He has 3 research journal papers in ISI indexed journals and multiple conference, workshop and white papers. Currently, he is also working as associate editor and reviewer of multiple international journals and conferences.

Research Interest

RF/microwave engineering, antenna array design (including EM lens antennas), radio source localization, and DoA/AoA/ToA.



Engr. Syed Mujahid Ali
(Asstt. Professor)

MPhil, Physics, UoK
MS, (Applied Mathematics), UoK

Profile

Syed Mujahid Ali is a passionate physicist. He has a firm background in mathematics that has sharpen his analytical skills. His teaching has two main features, strong grip on physics and his interdisciplinary approach towards it. His innovative ideas inspire students. Before joining KIET he has served as a faculty member of Institute of Industrial Electronics Engineering. He is currently involved in research in theoretical mesoscopic physics.

Research Interest

Open quantum systems, quantum optics, quantum-classical transition, quantum optomechanics and foundational issues of quantum mechanics



Engr. Fahd Khan
(Asstt. Professor)

ME, (Micro System Design), NEDUET
BS, (Electronics), SSUET

Profile

Mr. Fahd has more than 5 years of industry experience in CMOS IC designing. He has worked in Monolithic Solutions Inc an IC design firm having held the position of Senior Analog IC Design Engineer. He has experience in working at the cutting edge RF CMOS technology having worked with high profile industry customers such as Microchip and LG electronics.

Research Interest

Transmitter and Receiver Front-end Design, Power Amplifiers, High Speed PLLs for CMOS ICs. CMOS readout circuit design.

Permanent Faculty (Avionics)



Engr. Rehan Rasheed Khan
(Lecturer)
MS (Aerospace), IST
BE (Electronics), KIET

Profile

Mr. REHAN RASHEED KHAN is Lecturer at KIET. He holds a BE in Electronics with specialization in Avionics and MS in Aerospace with specialization in guidance, navigation and control from IST

Research Interest

Control algorithm, design of special purpose system dynamics, optimization, and 2D and 3D simulation over MATLAB and simulink



Engr. Farooq Alam
(Lecturer)
PhD. in process (Electrical Control Engineering), NUST, Karachi, Pakistan.
MS (Electrical Control Engineering), NUST, Karachi, Pakistan, 2016.
BE (Electronic Engineering), NEDUET, Karachi, Pakistan, 2013.

Profile

Farooq Alam did his post-graduation in Electrical Engineering specialization control theory from the NUST-PNEC, Karachi. He has more than 4 years of research experience in the field of linear/nonlinear control systems, sensor-less machine drives and control systems implementation using the FPGAs. He is an active member of IEEE Control and Power system societies and invited several renowned conferences as a guest speaker as well as an evaluator. He recently joined PAF-KIET as Lecturer and have 5 years of academic teaching experience. He has 4 IEEE conference research publications and a paper in the ISI indexed journal.

Research Interest

Nonlinear Systems Analysis, Control Theory, Embedded Systems, FPGA.



Engr. Muhammad Aaqib Shahbaz
(Lecturer)
MS (Electronics), KIET
BE (Electronics), NEDUET

Profile

Mr. Aaqib has 3 years of industrial experience in CMOS IC designing. He has worked in Monolithic Solutions Inc, a Fab-less IC design firm having held the position of IC Design Engineer. During this period, has worked on deep submicron CMOS technology including 65nm & 40nm TSMC, 55nm Global Foundry and 110nm & 150nm L-Foundry. Experienced in completing several complete design cycles including; architecture study, the design of RF/ Analog/Mixed Signal cells, layout of critical cells as well as the evaluation and testing of prototypes.

Research Interest

Low Noise Amplifiers , Analog Baseband, Power Amplifiers for CMOS ICs. MEMS design and CMOS readout circuit design.

Permanent Faculty (Avionics)



**Ms. Farheen Nasir
(Lecturer)**

MS (Nanoscience and Engineering)
National University of Sciences and
Technology, Islamabad, Pakistan
(Dec 2018)
BS (Electronics Engineering) Sir Syed
University of Engineering and
Technology, Karachi

Profile

Farheen Nasir has completed her MS in Nanoscience and Engineering in Dec 2018 from National University of Sciences and Technology (NUST), Islamabad, Pakistan and BS in Electronics Engineering from Sir Syed University of Engineering and Technology (SSUET), Karachi, Pakistan with distinction. Her research experience includes supercapacitors, surface acoustic wave (SAW) devices as well as molecular tweezers. She has been associated with KIET as lecturer since Jan 2019. Currently she is also working on MEMS based biosensors funded by IGNITE.

Research Interest

MEMS/NEMS, Energy storage devices, Electric double layer capacitors, pseudocapacitors, surface acoustic wave devices, finite element modelling (FEM).



**Engr. Faiqa Abubakar
(Lecturer)**

MS. (Electronics), NEDUET
BE. (Electronics), NEDUET

Profile

Miss Faiqa has 4 years of teaching experience during which she taught different electronic courses including Analog & Digital IC's, microcontroller, Electronic Devices & Circuits etc. She possess good academic record throughout the career, attend & organize multiple seminars from IEEE & remain participant at different project exhibitions of Robotics, Home automation & medical applications, also worked as technical co-ordinator at BIOS Technology.

Research Interest

Sensor Designing, CMOS readout, Analog & Digital IC's



**Engr. Muhammad Junaid
(Lecturer)**

ME, (Micro System Design),
NEDUET
BS, (Electronics), SSUET

Profile

Mr. Muhammad Junaid has 3 years of industry experience in CMOS IC designing, Formerly IC Design Engineer at fab-independent IC designing firm MSI and has experience in analog and mixed-signal IC design and layout for IEEE 802.11 wireless transceivers. Familiarity with IC engineering life cycle, system definition and architecture.

Research Interest

Analog VLSI design, Analog Integrated Circuits, ultra low dropout voltage regulator IC engineering life cycle.

Permanent Faculty (Avionics)



Engr. Syed Usman Amin
(Lab Engineer)
MS (Electronics) (In-progress),
KIET
BE (Electronics), KIET

Profile

Mr. Syed Usman Amin has approx. 1 year of industry experience in PCB Designing and Circuit Debugging. He has worked in Microsystems (pvt) Ltd. an PCB Designing firm having held the position of Design Engineer. He is also the member of EDCAS (Electronic Device Circuit And System) KIET.

Research Interest

Low Power
Temperature Sensor
Design, Data Converters,
Analog IC Design.



Ms. Sameea Javiad
(Lab Engineer)
BE (Avionics), KIET

Profile

Ms. Sameea Javiad is working as a Lab Engineer in Avionics Department of KIET.



Mr. Muhammad Musadiq
(Lab Engineer)
BE (Electrical), KIET

Profile

Mr. Musadiq has experience in Automation and Instrumentation and he was previously working as service engineer in Speedy Automation. In 2018 he joined PAF-KIET and EDCAS.

Research Interest

Cmos LVDS IO Design,
Instrumentation,
Microwaves and
Antennas

Permanent Faculty (Avionics)



Mr. Muhammad Siraj
(Lab Engineer)
BE (Avionics), KIET

Profile

Mr. Muhammad Siraj is working as a Lab Engineer in Avionics Department of KIET.

Research Interest

Avionics, Aerospace, Flight dynamic Modulations, Microelectronics, Flight controls, Flight data analytics & Flight simulations



Mr. Arsalan Khan
(Lab Engineer)
BE (Avionics), KIET

Profile

Mr. Arsalan Khan is working as a Lab Engineer in Avionics Department of KIET.

Research Interest

Avionics, aerospace, flight dynamic modulation, microelectronics, flight controls, flight data analytics & flight simulation, 3 Dof gyroscopic platform and 4 degree of freedom motion simulator. Aircraft designing, flight control computers and flight simulations



Engr. Irfan Muqim
(Lab Engineer)
BS, BE. (Avionics), PAF-KIET

Profile

Mr. Irfan is working as a Lab Engineer in Avionics Department of KIET and Research Assistant in EDCAS. He has research paper in Antenna Designing.

Research Interest

RF/microwave engineering, Antenna array design, Analog Integrated Circuits and Computer Aided Design

Permanent Faculty (Software Engineering)



**Engr. Dr. Husain Parvez
(Associate Professor)**

HoD Software Engineering
PhD, (Computer Science & Micro-Electronics), UPMC
MCS, (Architecture and Design of Integrated Systems), UPMC
BE, (Computer Software Engineering), NUST

Profile

Husain Parvez received his Bachelors of Engineering in Computer Science from National University of Sciences and Technology, Rawalpindi. He received MS and PhD in Electronics and Computer Science from University Pierre & Marie Curie (Paris-6), Paris. Before doing MS and PhD, he worked at the System-on-Chip tools department at Communications Enabling Technologies Islamabad, and at Video Decoder & Optimization department at Streaming Networks Islamabad. He has taught at University Pierre & Marie Curie, Paris, and at IQRA University, Karachi. He is associated with KIET since 2012. His current research interests include design and exploration of FPGA architectures and related CAD tools for FPGAs.

Dr. Parvez was the co-principal investigator of two ICTR&D funded projects, each worth 14 million rupees. He is also working on funded projects of mutual interest in collaboration with international partners. He has authored and co-authored 5 publications in high impact journals, and 15 papers in international conferences. He has also authored a book titled "Application-Specific Mesh-based Heterogeneous FPGA Architectures" published by Springer.

Research Interest

Architectures and Tools for Reconfigurable Architectures, FPGA-based System design, Embedded real-time Systems



**Engr. Muhammad Ejaz
Tayab
(Asstt. Professor)**

MS, (Electrical Engineering), WMU
BE, (Computer Systems Engg), NEDUET

Profile

Mr. Tayab has more than 20 years of combined industrial and teaching experience. He is pioneer in bringing AutoIDs and last-mile Supply Chain IT in Pakistan in 1998. Before joining PAFKIET, he has served Autobar as CTO and CEO. He is a member of MS/PhD research committee at SZABIST.

Research Interest

RFID, IoT, Supply Chain IT and Mobility



**Engr. Shazia Ahmed Khan
(Lecturer)**

ME (Computer Networks), NEDUET
BE (Computer and information systems), NEDUET




Profile

Miss Shazia is working as Lecturer at KIET-CoE. She has completed her ME in Computer Networks & Bachelors from NED university.

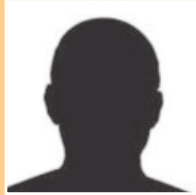
Research Interest

Machine learning and artificial intelligence.

Permanent Faculty (Software Engineering)

 <p>Engr. Tooba Sheikh (Lecturer) ME (Computer network & Performance Evaluation), NEDUET BE. (Computer & Information Systems), NEDUET</p>	<p>Profile Miss Tooba has been associated with KIET as a Lecturer. She has a 1-year internship experience with SUPARCO PNSS_1 project..</p>	<p>Research Interest AI based systems and currently working on stock exchange prediction using deep learning.</p>
 <p>Engr. Tooba Hai (Lab Engineer) MS. (Electronics) In-Progress, KIET BE. (Electrical), KIET</p>	<p>Profile Lab Engineer, KIET.</p>	<p>Research Interest Control Engineering, Robotics, Power Engineering</p>
 <p>Engr. Muhammad Zawish (Lab Engineer) BE. (Computer Engg), MUET</p>	<p>Profile Lab Engineer, KIET.</p>	<p>Research Interest Machine Learning, Medical Imaging, Data Analytics, Healthcare Analytics</p>

Visiting Faculty / Adjunct Faculty / Project Liaison



Dr. Syed Roomi Naqvi

Adjunct Faculty Member / Project Liaison
IC Design Engineer at Intel Co
PhD (Electrical Engineering), Arizona State University
MBA (Global Management), Arizona State University
MS (Electrical Engineering), Arizona State University
BS (Electrical Engineering), NEDUET

Profile

Dr. Roomi has over 17 years of experience in all aspects of IC design and validation, including digital, analog and RF. Have worked in the New Business Initiatives Group at Intel responsible for developing innovative technologies and products. Technical leader with proven track record of strong leadership and hands-on expertise in product development in both entrepreneurial and established organizations. Extensive experience in leading dynamic organizations, growing and developing teams, and delivering to customer commitments. Have been awarded two patents and have three research papers published.

Research Interest

PLL, DLL, Clocking, A/D, D/A DC-DC converters
Mixed Signal Validation.



AVM (Retd) Syed Nudrat Kazmi

Visiting Faculty Member
MSc, (Defence & Strategic Studies), National Defense University
MS, (Aerospace Engineering), University of Dayton Ohio, USA
BE, (Aerospace Engineering), CAE, PAF

Profile

Aeronautical Engineer spanning 36 years, with experience in the domain of aircraft maintenance (French, American and Chinese systems) and managing production lines for maintenance repair & overhaul and manufacturing of aviation products. Wide ranging experience in project management as chief project director of JF17 aircraft co-production project in collaboration with international vendors. Excellent skills in setting up of logistics, production & quality management systems, training of human resource & product development.



Engr. Syed Salman Ahmed

Visiting Faculty Member
MS (Electronics), KIET
B.E.(Electronics), NEDUET
MBA (Mkt & Fin), IBA
MEM (Quality Mngt.) NEDUET
MAS (HRM) UoK
MA (Economics) UoK
BE (Aerospace), NEDUET
LLB, UoK

Profile

Engines Systems Management, PAF
Airborne Electrical / Instrumental Systems Management, PAF
Quality Assurance / Quality Control of Airborne Systems, PAF
Associate Professor in College of Aeronautical engineering, PAF
General Engineering & Support Facilities Management, PAF
Research & Development of Aerospace related field, PAF
Aviation and Ground Safty Management, PAF

Research Interest

General Management
Human Resource
Engineering
Management
Marketing
Finance

Visiting Faculty / Adjunct Faculty / Project Liaison



**Engr. Dr. Najam
Muhammad Amin
(Asstt. Professor)**

PhD Circuits & Systems, Southeast
University, China
M.Sc. Communication Technology,
University of Ulm, Germany
B.Sc. Electronic Engineering, SSUET

Profile

Dr. Najam is currently working as an Assistant Professor in the College of Engineering (CoE) KIET. At the same time he is also working as a postdoctoral researcher in the National Mobile Communications Research Lab. of Southeast University (SEU), Nanjing, China. He was awarded a fully funded scholarship by the Chinese Government for his PhD studies. He has recently acquired an innovative talent fund from SEU (China), worth RMB 10,000 for his postdoctoral project namely "An In-Band Full-Duplex Transceiver Front-End for 5G Cellular". Dr. Najam has authored and coauthored 10 research papers in high impact factor journals and international conferences until now. He has also worked in leading telecom companies such as Nokia and Nokia Siemens Networks in Germany.

Research Interest

Circuits and Systems,
Radio Frequency
Integrated Circuit
(RFIC) design for
wireless applications,
Modeling transmission
lines and other
passives for Millimeter-
wave (MMW)
applications.