

Faculty

The institute has highly qualified permanent and adjunct faculty members, who hold PhD degree from leading overseas and Pakistani Universities.

Dr Syed Irfan Hyder, University of Texas at Austin, US.

Dr M. Amin, Imperial College London, UK.

Dr M. Mohiuddin, The University of Manchester, UK.

Dr S.M. Ghazanfar Munir, Nanyang Technological University, Singapore.

Dr Faraz Zaidi, University of Bordeaux-1, France.

Dr Imran Naseem, University of Western Australia, Australia.

Dr Syed M. K.Raazi Kyung Hee University, Korea.

Dr Kashif Ishaque, University of Technology Malaysia, Malaysia.

Dr Husain Parvez, University Paris-6, France.



Research Collaborations

M&N Group, The University of Manchester, UK.
School of Electrical and Computer Engineering,
Institute of Microelectronics, University of Vienna,
Austria.

Computer and Communications Security Laboratory,
Korea University, South Korea.

Ubiquitous Computing Laboratory, Kyung Hee
University, South Korea.

Laboratory of Research in Computer Science,
Bordeaux, France.

The University of Western Australia, Australia.

Kemerburgaz University, Turkey.

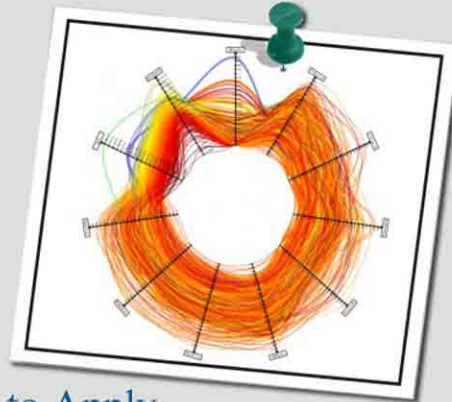
www.pafkiet.edu.pk/gsse

Scholarships

The institute offers merit-based scholarships at PhD and MS level with fee waiver and monthly stipends in various categories. Fifteen MS and PhD students availed scholarships of approx. Rs. 4 million in the year 2012.

For details please visit our website:

<http://gsse.pafkiet.edu.pk/scholarships>



How to Apply

Please visit the following website:

<http://gsse.pafkiet.edu.pk/apply>

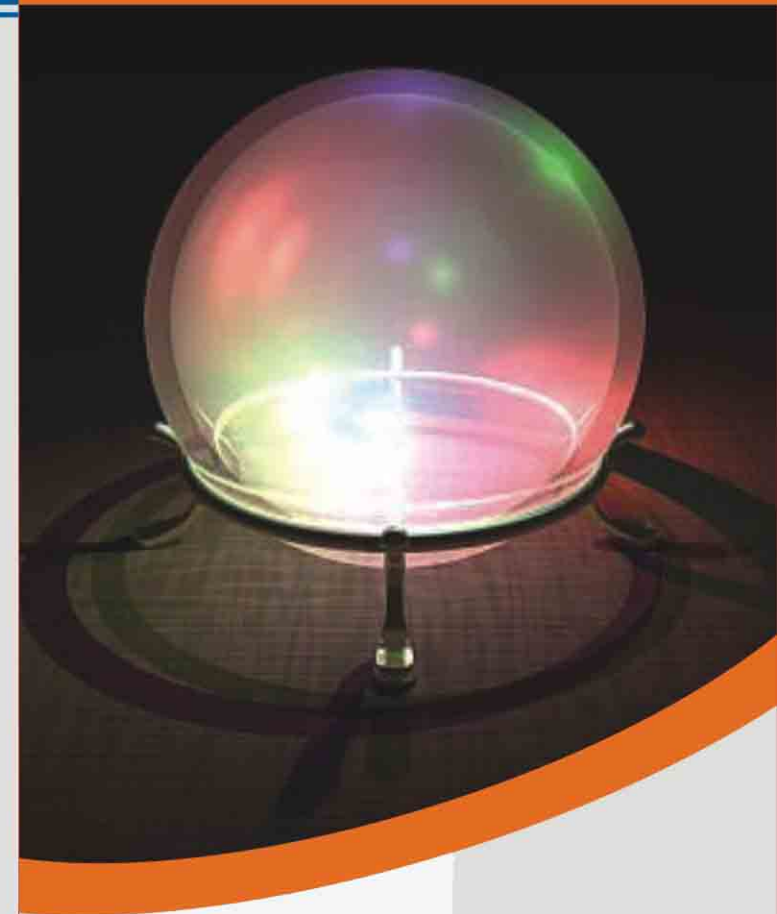
Contact

Graduate School of Science and Engineering
PAF Karachi Institute of Economics and Technology

Email: gsse@pafkiet.edu.pk

Web: www.pafkiet.edu.pk/gsse

www.pafkiet.edu.pk/gsse



Graduate School of Science and Engineering



A CHARTERED INSTITUTE

Main Campus:
PAF Korangi Creek,
Karachi-75190
Tel: (92-21) 3509-1114-7,
(92-21) 3509-2324-30
Fax: (92-21) 3509-1118

City Campus:
28-D Block-6, P.E.C.H.S.,
Karachi.
Tel: (92-21) 3454-6872,
(92-21) 3453-2182
Fax: (92-21) 3438-3819

North Nazimabad Campus:
F-98, Block-B, North Nazimabad,
Karachi.
Tel: 0336-2444191-3

PAF Karachi Institute of Economics & Technology

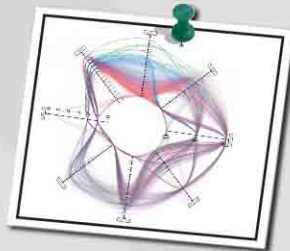
Karachi Institute of Economics and Technology (KIET) was set up by Pakistan Education Foundation (PEF) in 1997. The Higher Education Commission (HEC), former UGC, recognized the institute in 1998 and the institute received its charter from the Government of Sindh on May 04, 2000. It currently focuses on the fields of Computer Science, Engineering, Business Administration and Media & Arts. The institute is committed to provide quality education at affordable cost.

Graduate School of Science and Engineering (GSSE)

GSSE offers latest industry-pertinent education and advanced research labs in order to impart a thoroughly comprehensive knowledge and understanding of global trends and developments in the scientific world.

GSSE is currently offering following HEC approved graduate programs:

- Phd Electronic Engineering
- Phd Computer Science
- MS Electronic Engineering
- MS Computer Science



Objectives

- To develop a culture of research where faculty and students are involved in investigation of the fundamental problems of industry and society.
- To produce a real and measurable impact on society and industry by offering scientific and engineering solutions to their problems.

- To generate impact factor research with wide industrial applications.
- To develop rigorous and intensive MS and PhD research programs.
- To develop mutually beneficial industrial and academic collaborations.

Research Culture & Environment

GSSE is committed to the provision of quality facilities and research environment for meeting the stated objectives.



- Full-time highly qualified PhD faculty with recent publications in leading research journals.
- Availability of lab equipment, advanced simulation tools and research funding.
- Specialized and active research groups in the areas of computer science and electronic engineering.
- Regular workshops, seminars and colloquia by scholars and researchers of International repute.
- Accessibility to a wide range of research archives.
- Advanced and research oriented courses.
- GSSE's Cumulative Impact Factor for the year 2012 was 19.3 [ISI Web of Science].

Research Grants

- CNRS France has awarded 6000 Euros in 2011 for the analysis and mining of Maritime Systems.
- ICTRnD Fund, Pakistan has awarded 14 million PKR in 2012 to explore alternate FPGA architectures.
- ICTRnD Fund, Pakistan has awarded 15 million PKR in 2013 to develop FPGA-based face recognition system.

Research Groups

Signal Processing

This group addresses the most challenging problems faced by the signal and image processing community such as watermarking, wavelet analysis, face recognition, finger-print and iris recognition.

Applied Control and Power

This group addresses problems in the area of applied controls and electrical power systems. Research areas include modeling, design and control of autonomous underwater vehicles, aeronautical control, process and control system optimization.

Embedded Systems

This group focuses on the design and exploration of reconfigurable architectures, related CAD tools, FPGA-based systems design, embedded systems design and their applications.

Molecular and Nanoelectronics

The primary focus of this group is the physical and empirical device modeling of compound semiconductors based high speed devices and solar cells.

Smart Networks

The group investigates research problems in the area of smart networks with a focus on Content-Based Communications, Ad Hoc Networks, Sensor Networks and Body Area Networks.

Data Mining and Visual Analytics

This group aims to develop algorithms and models for the technological advancements in the area of Data Mining, Extraction of Knowledge, Visualization of Information and Visual Analytics.

Software Engineering and Future Generation Computing

This group pursues research in the domains of Volunteer & Ubiquitous Computing, and Ontology Engineering.