

02 FAST-NUCES Prospectus 2023

# Table of Contents

The Foundation	
Board of Governors of FAST	05
Rector's Message	07
The University  Board of Trustees  Board of Governors  Officers of the University	08 08 08
Deans of Faculties	80
Campuses & Faculty Chiniot-Faisalabad Campus Research Faculty Islamabad Campus Research Centres Faculty Karachi Campus Research Centres Faculty Lahore Campus Research Centres Faculty Peshawar Campus Research Centres Faculty	09 10 15 23 24 36 51 53 62 73 74 85 99 100 102
Academic Programs	406
Programs Offered & Campuses	106
Programs in Computing BS (Artificial Intelligence) BS (Computer Science) BS (Cyber Security) BS (Data Science) BS (Software Engineering)	108 110 112 114 116
MS (Artificial Intelligence) MS (Computer Networks and Security) MS (Computer Science) MS (Data Science) MS (Software Engineering) MS (Software Project Management)	118 119 120 121 122 123

Programs in Engineering BS (Civil Engineering) BS (Electrical Engineering)	126 128
MS (Civil Engineering) MS (Electrical Engineering)	131 133
Programs in Management Sciences BBA BS (Accounting and Finance) BS (Business Analytics) BS (Financial Technologies)	136 138 140 142
MBA MS (Management Sciences) MS (Business Analytics) MS (Applied Linguistics) MS (Mathematics)	144 145 146 148 149
PhD (Doctor of Philosophy)	151
Office of Research, Innovations & Commercialization (ORIC)	152
Quality Enhancement Cell	155
Admission Information Admission Information NU Online Admission Test Admission & Academic Schedules Fee Information Financial Assistance/Scholarships Transport & Hostel Facilities	158 159 160 161 162 163
Rules & Regulations Academic Rules & Regulations Code of Conduct	164 168

Prospectus 2023 FAST-NUCES 03



## The Foundation

The sponsoring body of the University - the Foundation for Advancement of Science and Technology (FAST) was established in 1980. It is registered with the Government of Pakistan as a charitable institution. In 1985. it selected higher education as a vehicle to pursue its objective of producing scientists and technologists of the highest caliber. FAST pioneered the development of IT industry in Pakistan by offering the country's first undergraduate program in Computer Science. Today, this University, sponsored by FAST, stands recognized as the leader and trend-setter in this field in Pakistan and abroad.

A Board of Governors, elected in accordance with its Constitution, manages the affairs of the Foundation. The members of the Board are eminent personalities in their respective fields and are associated with the Foundation in an honorary capacity.

# BOARD OF GOVERNORS OF FAST



**President**Mr Wasim Sajjad, N.I.

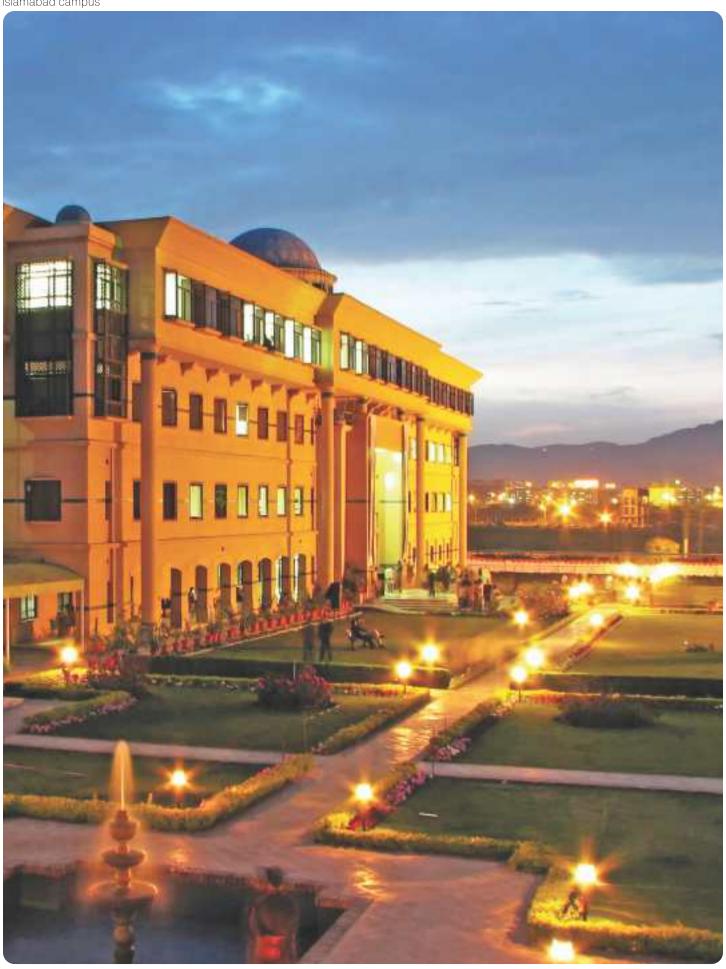
### Members

Justice (Retd) Mian Muhammad Ajmal
Justice (Retd) Muhammad Ather Saeed
Justice (Retd) Shabbar Raza Rizvi
Dr Amir Muhammed
Dr UAG Isani
Dr Naveed A. Malik
Dr Samar Mubarakmand
Dr Lutfullah
Ms Perveen Qadir Agha
Mr Nisar A. Memon
Mr Rashid A. Khan
Mr Arshad Nasar
Mr Oaiser Ahmed Shaikh

## Secretary General

Rana Ghulam Shabbir, S.I; T.Q.A

Prospectus 2023 FAST-NUCES 05



# The University

## Rector's Message

**Dear Applicants** 

We are happy to receive your application to our premier university for higher education. You are entering university life in a very exciting and challenging time. These are interesting times because technological development is taking place at a speed that has never been witnessed before. These are challenging times too, because you are faced with a decision to opt for education in a traditional subject or an emerging and growing subject. Post-Covid times have proved that technology is the new future.

Back in 1985, FAST was the first one to start a bachelor's degree program in Computer Science. This initiative made us the leader in computer science education in the country. Today, graduates of FAST form the backbone of the software industry in Pakistan and Globally.

We take immense pride in our graduates. Our graduates have not only contributed to major Multi-National companies but also shaped the entrepreneurial eco-system of Pakistan and abroad. We continued our pioneering spirit by offering degree programs in Artificial Intelligence, Data Science, Financial Technologies (FinTech), and Cyber Security. Last year we



successfully started degree program in Business Analytics. We have also introduced a specialization in Game Development in Computer Science. These programs are being offered to keep the projected worldwide shortage of manpower in these areas.

I hope your right decision today will help you in a rewarding career in an emerging discipline. We also offer programs in Computer Science, Software Engineering, Electrical Engineering, Civil Engineering, Business Administration, and Accounting & Finance.

Whichever program you choose, we shall strive to prepare you for a rewarding career.

Best Wishes and good luck in your endeavors.

Dr Aftab Ahmad Maroof **Rector** 

Prospectus 2023 FAST-NUCES 07

# The University

Founded as a Federally Chartered University in July 2000, the National University of Computer and Emerging Sciences is a premiere University of Pakistan, renowned for quality and impact of its students in the development of local software and other industries. The university has five modern campuses at Karachi, Chiniot-Faisalabad. These campuses provide world class educational

environment and recreational facilities to about 13,000 students, around one-quarter are female.

Research wings of the university are well recognized, nationally and internationally. They are embarked upon cutting edge research having direct impact on the social, economic and technological needs of Pakistan. Lahore, Islamabad, Peshawar and Our vision is to become a globally recognized research university of Pakistan within the next decade.

## Patron of the University

President, Islamic Republic of Pakistan

#### **Board of Trustees**

#### **CHAIRMAN**

Mr Wasim Sajjad, Chancellor

#### **MEMBERS**

- 1. Justice (Retd) Muhammad Ather Saeed
- 2. Justice (Retd) Shabbar Raza Rizvi
- 3. Dr UAG Isani
- 4. Mr Arshad Nasar
- 5. Ms Perveen Oadir Agha
- 6. Mr Qaiser Ahmed Shaikh
- 7. Mr Ahmad Faroog
- 8. Dr Aftab Ahmad Maroof, Rector, NU
- 9. Chairman HEC
- 10. Secretary, Ministry of Federal Education & Professional Training

## **Board of Governors**

#### CHAIRMAN

Dr Aftab Ahmad Maroof, Rector, NU

#### MEMBERS

- 1. Justice (Retd) Mian Muhammad Ajmal
- 2. Dr Amir Muhammed
- 3. Dr Lutfullah
- 4. Mr Rashid A. Khan
- 5. Mr Ahmad Faroog
- 6. Dr Jawwad Ahmed Shamsi
- 7. Dr Waseem Ikram, Registrar, NU
- 8. Chairman, HEC
- 9. Secretary, Ministry of Federal Education & Professional Training

## Officers of the University

Chancellor Rector Registrar/Controller of Examinations

Mr Wasim Sajjad Dr Aftab Ahmad Maroof Dr Waseem Ikram

**FAST-NUCES** Prospectus 2023