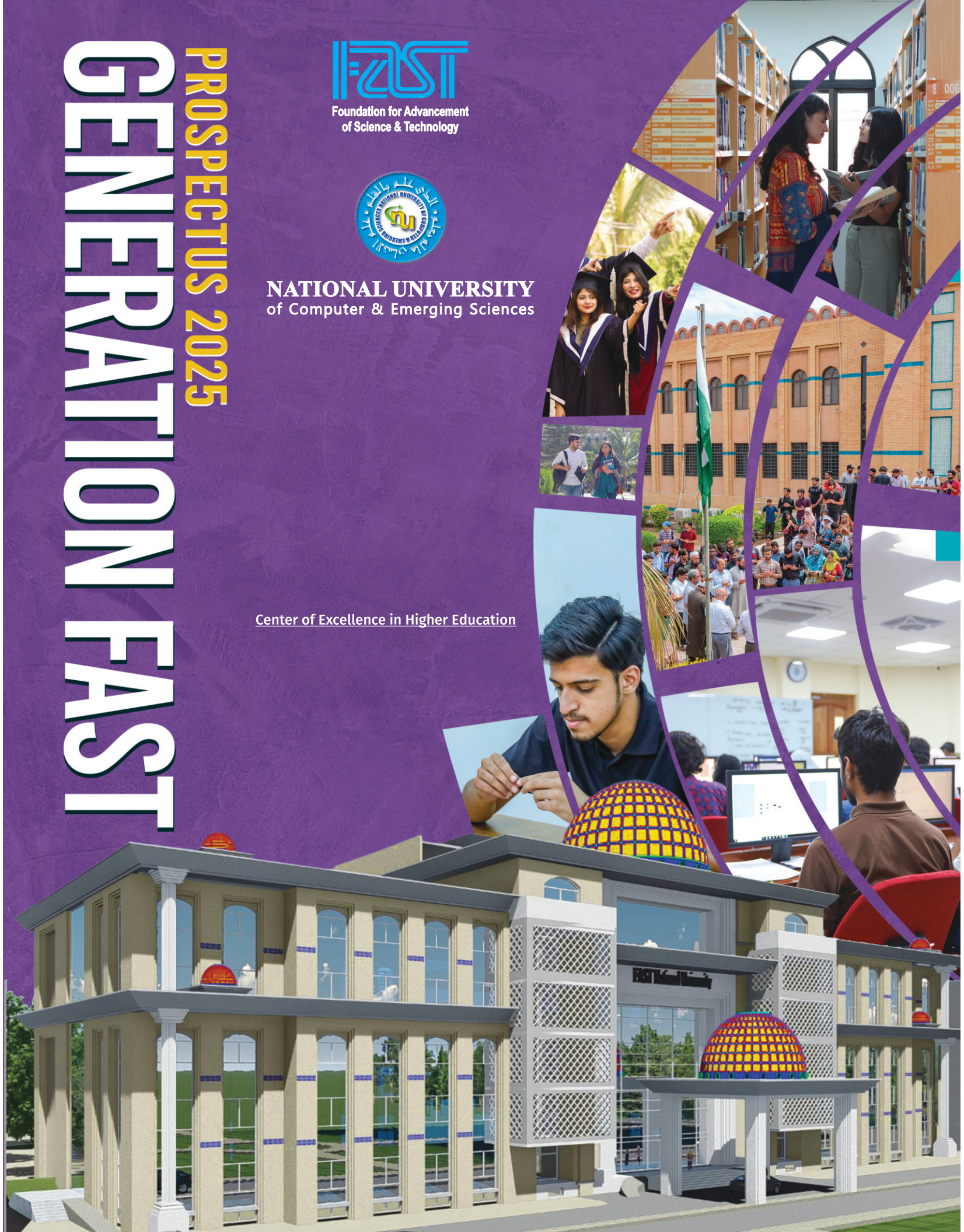
GENERATION FAST

PROSPECTUS 2025

Foundation for Advancement of Science & Technology

NATIONAL UNIVERSITY
of Computer & Emerging Sciences

Center of Excellence in Higher Education



Vision

To produce world- class professionals, who are responsible citizens and good human beings.

Mission

1. To identify and attract the most promising students from diverse communities, to shape them into visionary leaders and world- class professionals.
2. To impart quality education to students, irrespective of their financial background ethnicity, gender or religion to create an inclusive society.
3. To promote research and scholarly activities to generate knowledge.

Disclaimer

The contents of this Prospectus supersede all policies, rules, regulations, procedures, requirements, conditions and financial changes notified earlier. The University reserves the right to change any part or whole of this prospectus without notice or obligation.
In case of any ambiguity of non-existence of rules and regulations, the final authority for their interpretation and provision shall rest with the University whose decision shall be final and binding for all parties concerned.

education
communication
diploma
knowledge
students
UNIVERSITY
mathematics
children
teacher
academic
children
teacher
curriculum
history
TRADITIONAL
plan
internet
children
communication
degree
school
academic
money
business
secondary
mathematics
internet
communication
science
mathematics
lessons
reading
children
knowledge
lessons
science
education
education
curriculum
information
learn
money
information
knowledge
history
diploma
brain
academic
students
curriculum
internet
learn
teacher
diploma
degree
skill
lessons
plan
lessons
secondary
TRADITIONAL
graduate
internet
students
skill
plan
information
lessons
school
secondary
BACHELOR
history
business
money
BACHELOR
knowledge
internet
skill
degree
degree
plan
higher
school
graduate
TRADITIONAL
money
reading
school
graduate
business
science
plan
BACHELOR
teacher
learn
BACHELOR
higher
science
students
skill
students
UNIVERSITY
reading
higher
plan
brain
graduate
TRADITIONAL
brain
skill

Table of Contents

The Foundation
Board of Governors of FAST 05
Rector's Message 07

The University
Board of Trustees 08
Board of Governors 08
Officers of the University 08

Campuses & Faculty
Chiniot-Faisalabad Campus 09
Research 10
Faculty 15
Islamabad Campus 25
Research 26
Faculty 37
Karachi Campus 55
Research 57
Faculty 61
Lahore Campus 73
Research 74
Faculty 84
Multan Campus 97
Faculty 98
Peshawar Campus 99
Research 100
Faculty 102

Academic Programs
Programs Offered & Campuses 107

Programs in Computing
BS (Artificial Intelligence) 110
BS (Computer Science) 112
BS (Cyber Security) 114
BS (Data Science) 116
BS (Software Engineering) 118

MS (Artificial Intelligence) 120
MS (Cyber Security) 122
MS (Computer Science) 123
MS (Data Science) 125
MS (Software Engineering) 127
MS (Software Project Management) 129

Programs in Engineering
BS (Computer Science) 132
BS (Civil Engineering) 134
BS (Electrical Engineering) 136

MS (Civil Engineering) 140
MS (Electrical Engineering) 141

Programs in Management Sciences
BBA 144
BS (Accounting and Finance) 145
BS (Business Analytics) 146
BS (Financial Technology) 147

MBA 149
MS (Business Analytics) 150
MS (Applied Linguistics) 153
MS (Mathematics) 154

PhD (Doctor of Philosophy) 155

Office of Research, Innovations and Commercialization (ORIC) 156

Institutional Quality Assessment and Effectiveness (IQAE) 160

Admission Information
Admission Information 165
NU Online Admission Test 166
Admission and Academic Schedules 167
Fee Information 168
Financial Assistance/Scholarships 169
Transport and Hostel Facilities 170

Rules and Regulations
Academic Rules and Regulations 171
Code of Conduct 176

FAST
Foundation for
Advancement of
Science and
Technology

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 Charter, 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 GOVERNOR 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 Muhammad
Dr. Lutfullah Kakakhel
Dr. Naveed A. Malik
Dr. Samar Mubarakmand
Dr. UAG Isani
Mr. Arshad Nasar
Mr. Nisar A. Memon
Ms. Parveen Qadir Agha
Mr Qaiser Ahmed Shaikh
Mr Rashid A. Khan

Secretary General

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

The University

Rector's Message

RECTOR
Dr Aftab Ahmad

It is my pleasure to welcome you as prospective members of the FAST-NUCES community. As you take your first steps toward shaping your future, you stand at a unique intersection of opportunity and transformation-an era defined by rapid innovation, global connectivity, and evolving career landscapes. At FAST-NUCES, we are committed to helping you navigate these changes with confidence, purpose, and clarity.

With established campuses in Lahore, Karachi, Islamabad, Peshawar, and Chiniot-Faisalabad, I am proud to announce the opening of our new Multan Campus in DHA in 2025. This expansion aims to provide high quality education with a focus on innovative, and research-based learning.

This year marks another significant academic milestone with the introduction of our PhD in English (Linguistics) at the Lahore Campus, expanding our academic offerings and reinforcing our commitment to interdisciplinary excellence.

As pioneers of Computer Science education in Pakistan in 1985, we laid the foundation for a legacy of excellence that continues to this day. Since then, we have shaped countless leaders who now excel across the globe-in technology, business, engineering, and entrepreneurship. Our graduates contribute to leading companies and launch ventures that drive innovation and economic growth.

We offer a diverse range of academic programs designed for a fast-evolving world, including:

- Traditional and specialized programs in Computer Science, Software Engineering, Electrical and Computer Engineering, Civil Engineering, Business & Finance
- Future-focused disciplines such as Artificial Intelligence, Data Science, Cyber Security, Fintech, and Business Analytics
- Niche specializations like Game Development that equip students with industry-relevant, cutting-edge skills

In 2025, we are expanding our international outreach through a dedicated admissions campaign to attract students from around the world, fostering a learning environment enriched by diversity, inclusion, and shared ambition. As a non-profit institution committed to access and excellence, we offer substantial aid to ensure that no deserving student is held back by financial constraints.

At FAST-NUCES, education is more than a degree-it's a launchpad for critical thinking, adaptability, and leadership. We are committed to fostering not just technical skills, but the mindset needed to navigate a fast-changing world. Here, you'll be challenged to think independently, grow with purpose, and engage meaningfully with the world around you.

We look forward to welcoming you to a future of purpose, passion, and progress.

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, Lahore, Islamabad, Peshawar and 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. 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 Ahmad Farooq
5. Mr Arshad Nasar
6. Ms Perveen Qadir Agha
7. Mr Qaiser Ahmed Shaikh
8. Dr Aftab Ahmad, Rector, NU
9. Chairman HEC
10. Secretary, Ministry of Federal Education and Professional Training

Board of Governors

CHAIRMAN
Dr Aftab Ahmad, Rector, NU

MEMBERS
1. Justice (Retd) Mian Muhammad Ajmal
2. Dr Amir Muhammed
3. Dr Lutfullah Kakakhel
4. Mr Ahmad Farooq
5. Mr Rashid A. Khan
6. Dr Jawwad Ahmed Shamsi, Dean (CS), NU
7. Dr Waseem Ikram, Registrar, NU
8. Chairman, HEC or his nominee not below the rank of an officer of basic pay scale 20
9. Secretary, Ministry of Federal Education and Professional Training

Officers of the University

Chancellor	Mr Wasim Sajjad
Rector	Dr Aftab Ahmad
Registrar/Controller of Examinations	Dr Waseem Ikram
Director (Finance)	Mr. Abdur Rehman