

FACULTY OF COMPUTING & ENGINEERING SCIENCES



SZABIST
ISLAMABAD
Discover Yourself

NEW PROGRAM

Predicting the future
isn't magic, it's
Artificial Intelligence
-Dave Waters

**ADMISSIONS
OPEN**

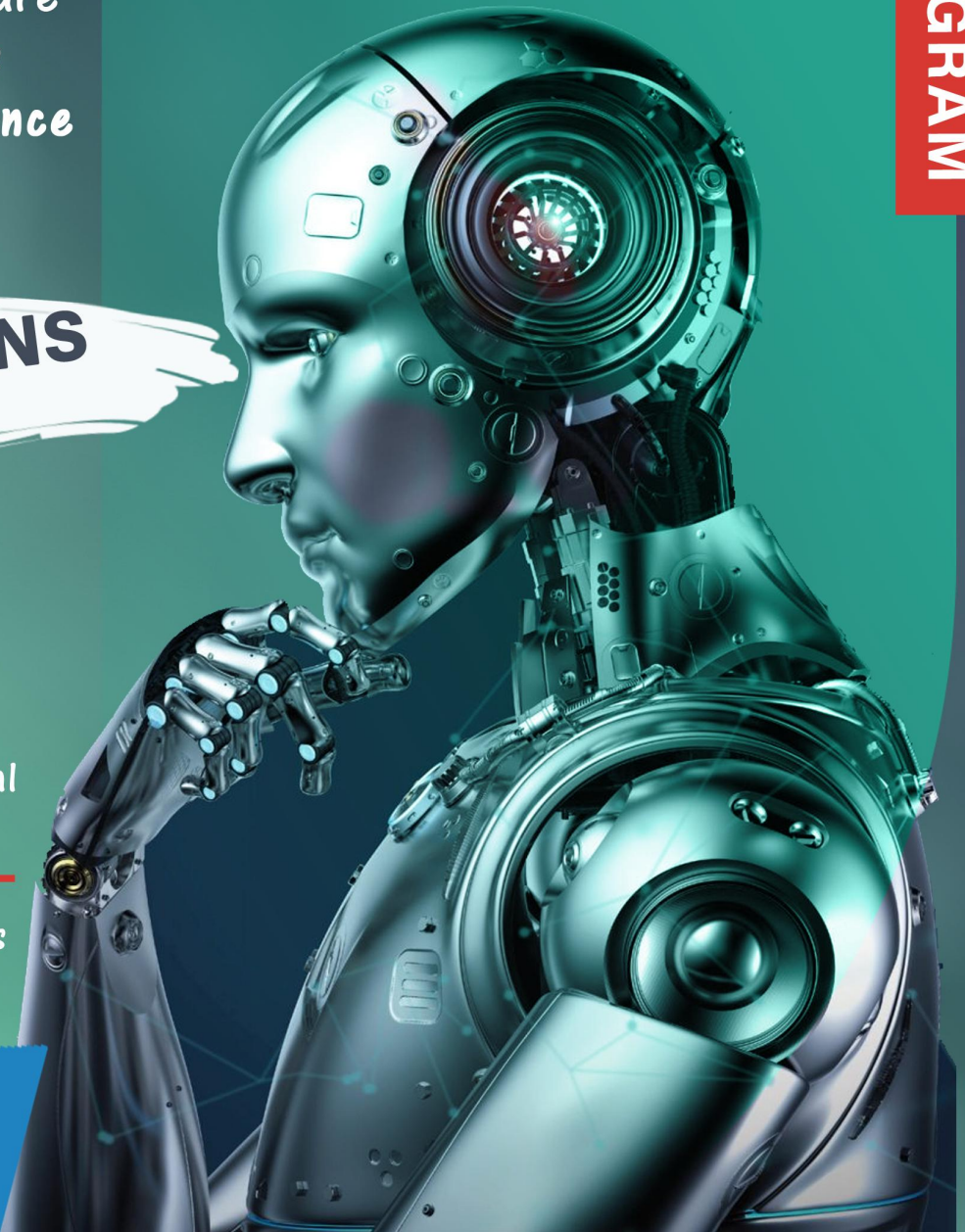
AI will contribute
\$15.7 trillion to the global
economy by 2023

AI can increase business
productivity by 40%

**NCEAC
APPROVED**

BS ARTIFICIAL INTELLIGENCE

Apply online at: admissions.szabist-isb.edu.pk





Bachelor of Science Artificial Intelligence

SZABIST offers a four-year (eight semesters) BS Artificial Intelligence degree program. The program is offered through a well-trained foreign qualified faculty. It consists of 41 courses (five courses per semester) with total of 130 credit hours. The maximum time to complete the degree is six years.

The BS (AI) prepares the students with in-depth knowledge to transform large and complex scenarios into actionable decisions. The program and its curriculum focus on how complex inputs such as knowledge, vision, language, and huge databases/dataset repositories can be used for knowledge extraction and optimum real-time decision making in real-world applications.

Objectives

- To equip students with the necessary skills and knowledge to solve complex problems in real-world settings.
- To produce graduates practising in the area of Artificial Intelligence in a socially and ethically responsible way.
- To prepare students for lifelong learning skills in Artificial Intelligence

Eligibility Criteria

- A-Level (minimum 3 passes)
- Intermediate (minimum 50% marks) or equivalent qualification from any IBCC recognized institution. *Candidates with Mathematics background will be given preference.
- An entrance test and group discussion/interview, conducted at SZABIST.

STORAGE
DEVELOPMENT
INTERNET
BIG DATA
USE
NEW

*Our INTELLIGENCE
is what makes us human,
and AI is an extension of that
QUALITY*

*Software is eating the world
but AI is going to eat
software.
~ Jensen Huang*

*AI is one of the most
important things humanity
is working on, It is more
profound than, I don't
know, electricity or fire*

FRAMEWORK
DATABASE
PROCESSING
ARTIFICIAL
INTELLIGENCE
TECHNOLOGY
INITIATIVE

CURRICULUM

FIRST YEAR

FIRST SEMESTER

- Introduction to Computer Science
- Fundamentals of Programming
- Computer Organization and Assembly Language
- Islamic Studies / Ethics
- Calculus and Analytical Geometry
- English Composition and Comprehension

SECOND SEMESTER

- Object Oriented Programming Techniques
- Digital Logic Design
- Linear Algebra
- Probability and Statistics
- Communication and Presentation Skills
- Probability and Statistics

SECOND YEAR

THIRD SEMESTER

- Data Structures and Algorithms
- Computer Organization and Assembly Language
- Discrete Mathematical Structures
- Artificial Intelligence
- Differential Equations

FOURTH SEMESTER

- Computer Networks and Data Communications
- Database Systems
- Design and Analysis of Algorithms
- Programming for Artificial Intelligence
- AI Elective - I

THIRD YEAR

FIFTH SEMESTER

- Probability and Statistics
- Artificial Neural Networks
- Machine Learning
- Knowledge Representation & Reasoning
- AI Elective - II
- University Elective-I

SIXTH SEMESTER

- Technical and Business Writing
- Computer Vision
- Natural Language Processing
- Software Engineering
- AI Elective - III
- University Elective – II

FOURTH YEAR

SEVENTH SEMESTER

- Parallel and Distributed Computing
- Professional Practices
- University Elective - IIIs
- Final Year Project - I

EIGHT SEMESTER

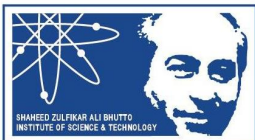
- Information Security
- Final Year Project - II
- Pakistan Studies
- University Elective - IV
- AI Elective - III

FEE STRUCTURE

Admission Fee
Security Deposit
Student Activity Fee
ID Card Charges

Rs. 20,000
Rs. 10,000
Rs. 1,000
Rs. 150

Fee per Course Rs. 13,200
Fee per Semester Rs. 66,000
Total Rs. 97,150



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📘 www.facebook.com/SZABIST.Islamabad.Official