

CRAIB



SUKKUR IBA UNIVERSITY
COMPUTER SCIENCE



CENTER OF EXCELLENCE
FOR ROBOTICS, ARTIFICIAL INTELLIGENCE,
AND BLOCKCHAIN

BLOCKCHAIN
TECHNOLOGY

Announces Admissions in

DIPLOMA IN
MACHINE LEARNING AND DATA SCIENCE
(Duration: 6 Months)

CERTIFICATE COURSE IN
BLOCKCHAIN DEVELOPMENT
(Duration: 3 Months)

CERTIFICATE COURSE IN
APPLIED CYBER SECURITY & ETHICAL HACKING
(Duration: 3 Months)

Artificial Intelligence, Robotics, Machine Learning, Blockchain and Cyber Security are the present and future requirements of 21st century. Enroll in our state-of-the-art market-oriented diploma program and certification courses to equip yourself with future technologies.

Who can apply?

- Bachelor or Master of Computer Science, Information Technology, Software Engineering, Computer Systems, Mathematics, and related fields.
- Students who are currently enrolled in Bachelor or Master of Computer Science, Information Technology, Software Engineering, Computer Systems, Mathematics, or related fields and have programming, networking and databases knowledge.
- Diploma in Computer Science, Information Technology, Software Engineering, Computer Systems, and related fields.

Timing: 10:00 AM to 5:00 PM
Fee per month: 10,000 PKR

Classes on Sunday Only

Last date to apply: **March 11, 2019**
Classes from : **March 17, 2019**

Admission Office:

Sukkur IBA University (Main Campus), Airport Road, Sukkur-65200 Ph: 071-5644276, 5644218, 5644219
Fax: 071-5804419 Email: admission@iba-suk.edu.pk Forms can be downloaded from: <http://craib.iba-suk.edu.pk>

Certificate in Blockchain Development Course

Time Duration: 03 months
Classes on Sunday Only
Timings: 10:00 AM to 5:00 PM
Course Fees: 10,000 Per month

Description:

The program draws on the work of leading computer science faculty & instructors to examine blockchain technology from a business perspective. You will be offered a foundational overview of how blockchain technology works, in order to demystify the technology and to understand its possibilities and limitations. It is applicable to all that has value. It is the edge cutting technology. It is considered as a financial layer over the internet and in fact popularized as ten times more powerful than the internet itself! Moreover, there is a high demand for this technology in industries. A lot of industries are willing to adapt itself to this technology. This means everyone will adopt this technology at the end, which will create demand for people who have a good knowledge of this technology. So, to sum up, Blockchain technology has a wide scope.

Young IT professionals, recent graduates, and senior undergrad students should adopt this technology because it provides a backdoor to compete with the developed world. This course will also help one to be an independent blockchain developer.

Modules

- Module 1: Discover Blockchain
- Module 2: Introduction to Cryptocurrencies and its Usecases
- Module 3: Developing Smart Contracts in Ethereum
- Module 4: Hands on Hyperledger Fabric Blockchain Framework
- Module 5: Business Strategies
- Module 6: Implementation of Usecases (Capstone Project)

After successful completion of this course, candidates would be able design and develop blockchain based application. In addition, the students would be able to pursue and advance their careers in their respective field such as IT Industry, Fintech, Issuretech, Supply Chain, Agribusiness, Government, Banking, Healthcare, Research and Development, Education Sectors, and many more.

Certificate in Cyber Security and Ethical Hacking

Time Duration: 03 months
Classes on Sunday Only
Timings: 10:00 AM to 5:00 PM
Course Fees: 10,000 Per month

Description:

Networking and IT professionals, Computer Science recent graduates, and senior undergrad students can enroll this program because it provides skills to acquire a job or start their own start-ups or work as a free-lancer in the ever growing Information Security field. This course is useful for those who want to pursue their career in Networking, Ethical Hacking, Cyber security, IT Risk Assessment and Penetration Testing. In the current era, employers in Pakistan and abroad are increasingly looking for personnel having the knowledge of Information Security along with Hands-on skills and experience. The course has following six modules with hands-on labs.

Modules

- Module 1: Computer systems Essentials and the cyber security environment
- Module 2: Ethical Hacking
- Module 3: Cryptography
- Module 4: Analysis, Technical Writing
- Module 5: Technical Security
- Module 6: Cyber Security Design & Management

After successful completion of this course, candidates would be engage in growing field of information security, software development and security education. In addition, the students would be able to pursue and advance their careers in their respective field such as:

Senior Management Positions: Chief information officer, Chief information Security officer, Data Custodian

Information Security Project Team: Champion, Team leader, Security policy developers, Risk assessment specialists, Systems administrators

Education and Training: Information Security Trainer, Certification Exam Preparation Guide, End user's Trainer

The Information Security Careers are not limited to Information Security firms or service providers but these can be found in many other business and educational organization. These organizations include Banks, Healthcare, Software, Research and Development, Manufacturers and Hospitality organizations.

Diploma in Machine Learning and Data Science

Time Duration: 06 months
Classes on Sunday Only
Timings: 10:00 AM to 5:00 PM
Course Fees: 10,000 Per month

Description:

Young IT professionals, recent graduates, and senior undergrad students should adopt this technology because it provides a backdoor to compete with the developed world. This course is useful for those who want to pursue their career is artificial intelligence, machine learning, and data science fields. In the current era, employers in Pakistan and abroad are increasingly looking for personnel having the knowledge of data science along with their domain knowledge and experience. The course has following eight modules with hands-on labs.

Modules

- Module 1: Introducing tools for building AI systems
- Module 2: Data Science using R Programming
- Module 3: Machine Learning for Business Intelligence
- Module 4: Big Data Analytics
- Module 5: Computer Vision using OpenCV and Python
- Module 6: Natural Language Processing using NLTK and Python
- Module 7: Building AI systems through Deep Learning and NVIDIA GPUs: Keras and Tensorflow
- Module 8: Automatic Speech Recognition

After successful completion of this course, candidates would be able to process and analyze data for better decision making in their respective fields. In addition, the students would be able to pursue and advance their careers in their respective field such as:

- Banking
- Healthcare
- Software
- Research and Development
- Education
- Manufacturing
- Hospitality