Certification in
BANKTECH, INSURTECH AND REGTECH
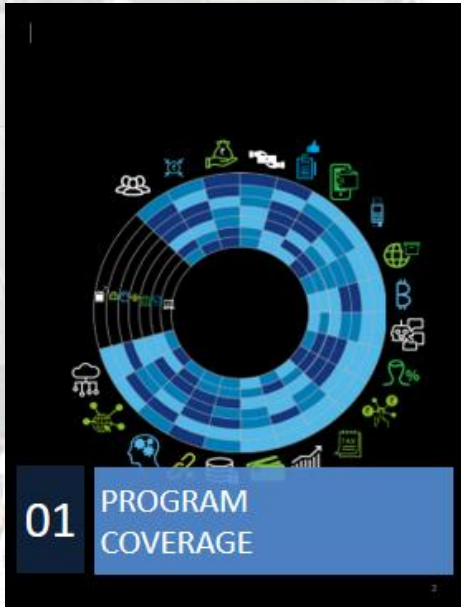
Offered by

CHRIST
(DEEMED TO BE UNIVERSITY)
LAVASA, PUNE, INDIA

In Collaboration with

EDUEDGE PRO
GLOBAL EDTECH INSTITUTION
FINTECH | ANALYTICS | INVESTMENT BANKING | CAPITAL MARKET

TABLE OF
CONTENTS

01 PROGRAM COVERAGE

About the Program

The Certificate in BankTech, InsureTech & RegTech is being offered by Christ University, in collaboration with industry partners EduEdgePro Pvt Ltd.

In this course, you will learn Social Media-based Profiling, AI/ML in InsurTech, RegTech Ecosystem, Regulatory Sandboxes, AI/ML in InsurTech, Fraud Detection, and many interesting use-cases and case studies. .

PLATFORMS
YOU WILL LEARN

python	jupyter	pandas	SciPy	ethereum
TRUFFLE	Bitcoin	NumPy	QuantLib	R
KILL BILL	Excel	SQL	C	BIGCHAIN DB

02 WHY THIS COURSE

HOW DOES
IT WORK

Someone requests a transaction.

The requested transaction is broadcast to a **P2P** network consisting of computers, known as **nodes**

Authentication

The network of nodes **validate the transaction** using cryptography.

A verified transaction can involve **cryptocurrency,** contracts, records, or other information.

The transaction is complete.

The new block is then **added to the existing blockchain.**

Once verified, **this transaction is represented as a new block.**

Automotive

Consumers can use the blockchain to manage fractional ownership in autonomous cars.

Financial services

Faster, cheaper settlements could shave billions of dollars from transaction costs while improving transparency.
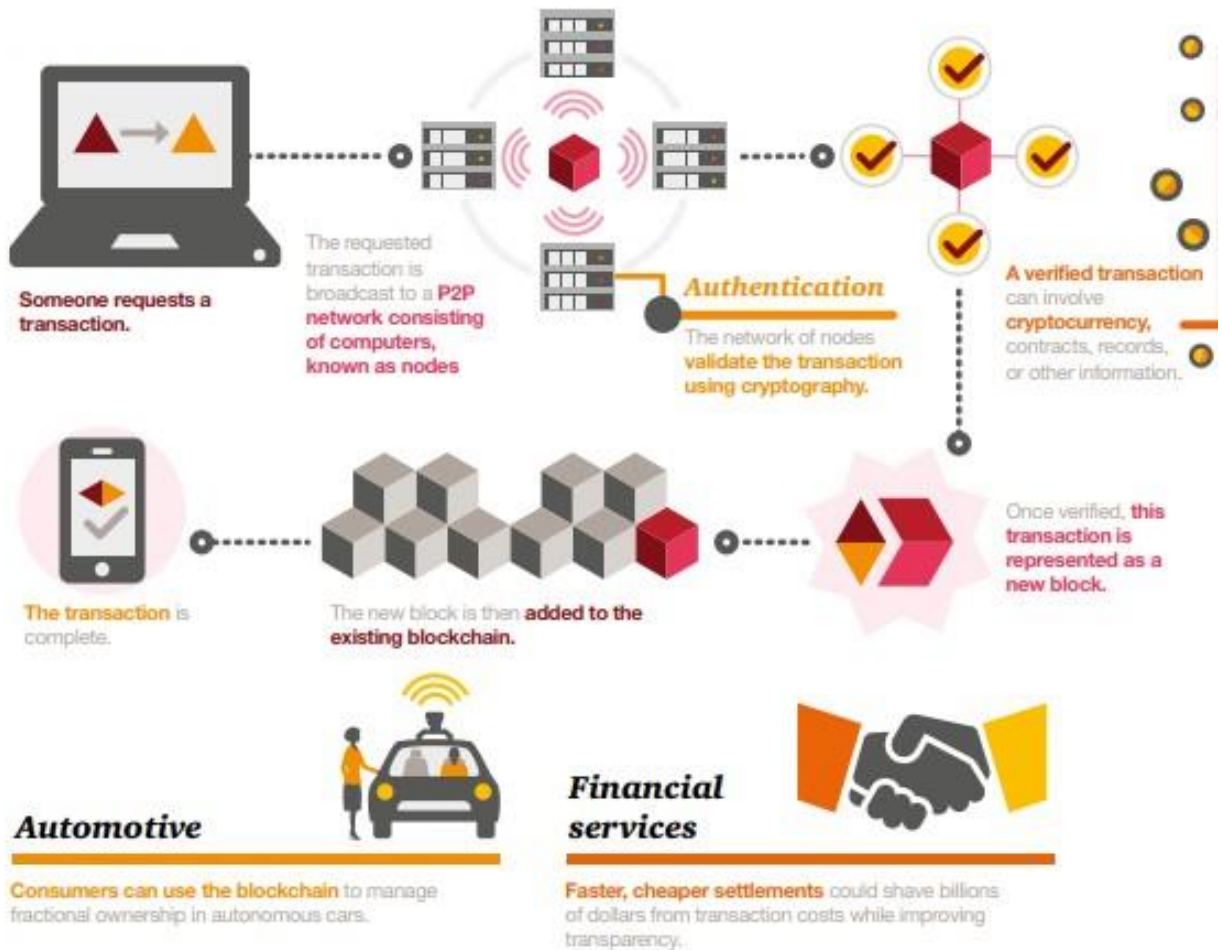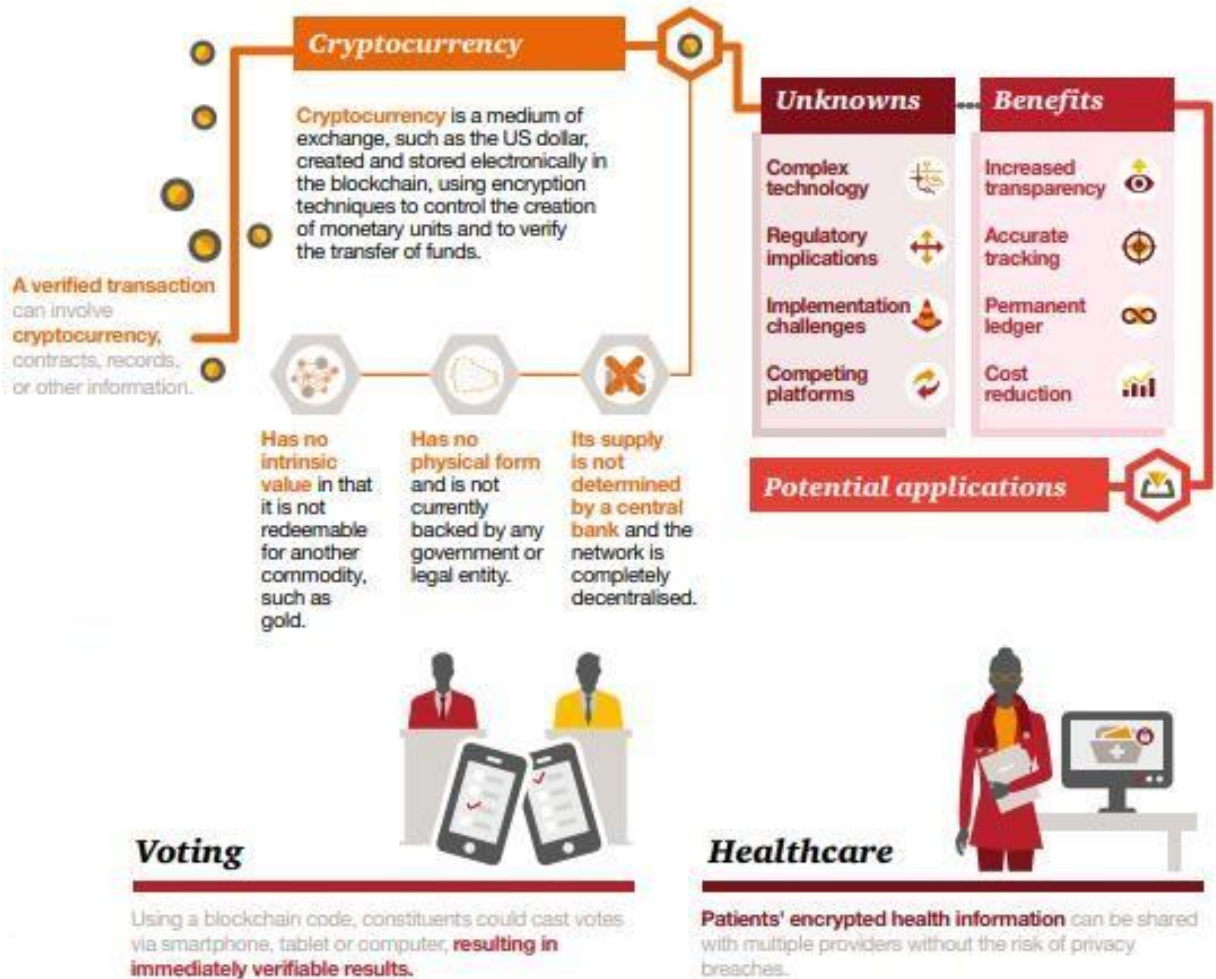
All-pervasive

FinTech is all-pervasive with applications across almost every digital transaction lifecycle, applicable to domains such as Banking, Capital Markets, Insurance, Personal Finance and Payments.

Cryptocurrency

Cryptocurrency is a medium of exchange, such as the US dollar, created and stored electronically in the blockchain, using encryption techniques to control the creation of monetary units and to verify the transfer of funds.

A verified transaction can involve **cryptocurrency**, contracts, records, or other information.

Has no intrinsic value in that it is not redeemable for another commodity, such as gold.

Has no physical form and is not currently backed by any government or legal entity.

Its supply is not determined by a central bank and the network is completely decentralised.

Unknowns
- Complex technology
- Regulatory implications
- Implementation challenges
- Competing platforms

Benefits
- Increased transparency
- Accurate tracking
- Permanent ledger
- Cost reduction

Potential applications

Voting

Using a blockchain code, constituents could cast votes via smartphone, tablet or computer, **resulting in immediately verifiable results.**

Healthcare

Patients' encrypted health information can be shared with multiple providers without the risk of privacy breaches.

APPLICATIONS
FOR FINTECH IS BANKTECH, INSURTECH & REGTECH

Areas	FinTech Segments	Brief Description
A. Credit	01. Peer-to-Peer Lending 02. Crowd Funding 03. Market Place for Loans 04. Online Lenders – on-book lending by NBFCs 05. Credit Scoring Platforms	• All forms of lending market places including Peer-to-Peer lenders and market places that connect borrowers with both, institutional and lenders; • Also includes crowd funding and equity funding platforms • NBFCs that use alternative scoring and digital channels for acquisition
B. Payments	06. M-wallets and PPIs 07. Merchant Payments and PoS Services 08. International Remittance 09. Crypto Currencies	• Services that enable transfer of funds for various use cases - P2P (Person-to-Person), P2M (Person-to-Merchant), G2P (Government-to-Person) etc. • Services targeted at both Payees and Merchants by enabling requisite payment infrastructure through mobile or other technologies
C. Investment Management	10. Robo Advisors 11. Discount Brokers 12. Online Financial Advisors	• Wealth advisory services delivered through technology governed rules and investment strategies
D. Personal Finance Management	13. Tax Filling and Processing 14. Spend Management and Financial Planning 15. Credit Scoring Services	• Tools and services for active management of individual financial profiles (e.g. spend, investments, credit profile, etc.)
E. Bank tech	16. Big Data 17. Blockchain 18. Customer Onboarding Platforms	• Services that utilize many data points such as financial transactions, spending patterns to build the risk profile of the customer. This provides an alternate to traditional underwriting methods that are unable to serve people with limited credit data. • There is significant value in unstructured data. However, it is difficult to derive value from unstructured data, owing to challenges in analyzing it. A number of new tools are being developed to derive value from large data sets.
F. InsurTech	19. Insurance Aggregator 20. IOT, Wearables and Kinematics	• Small business insurance • Usage based insurance

Source: Deloitte Analysis

Important domains where there is a huge recruitment potential for FinTech companies.

APPLIED FINTECH FOR BUSINESS

1

BLOCKCHAIN FOR FINTECH & APPLICATIONS

2

PAYMENTS, CRYPTO-CURRENCIES, & ALTERNATIVE FINANCE

3

BANKTECH , INSURTECH & REGTECH

4

FINTECH FOR CAPITAL MARKETS

CERTIFICATIONS
ROADMAP

Positioning of this certificate program in broader PG Diploma Program

# 03 COURSE CURRICULUM

Course Curriculum

BANKTECH (Module 1)

- "Regulatory Framework for Product Pricing, loan origination and servicing "
- "Social media-based profiling, comparison tools and aggregators"
- " Dynamic credit rating, Risk management & underwriting"
- " Using Credit Counsellor Robo/Bot for faster approvals & funding"
- "Utilizing data science tools and machine learning for data mining/ cross sale"
- Hybrid Lending Products

INSURTECH (Module 2)

- " How does InsurTech work"
- Business model disruption
- Aggregators
- AI/ML in InsurTech
- IoT and InsurTech
- Risk Modeling and Fraud Detection
- Processing claims and Underwriting
- Innovations in Insurance Services
- Unicorns and business models

REGTECH (Module 3)

- Evolution of RegTech
- RegTech Ecosystem: Financial Institutions
- RegTech Ecosystem: Startups
- "Ensuring Compliance from the Start: Suitability and Funds "
- RegTech Startups: Challenges
- RegTech Ecosystem: Regulators
- "Use Case of AI in Smart Regulation and Fraud Detection "
- Regulatory Sandboxes and Smart Regulation
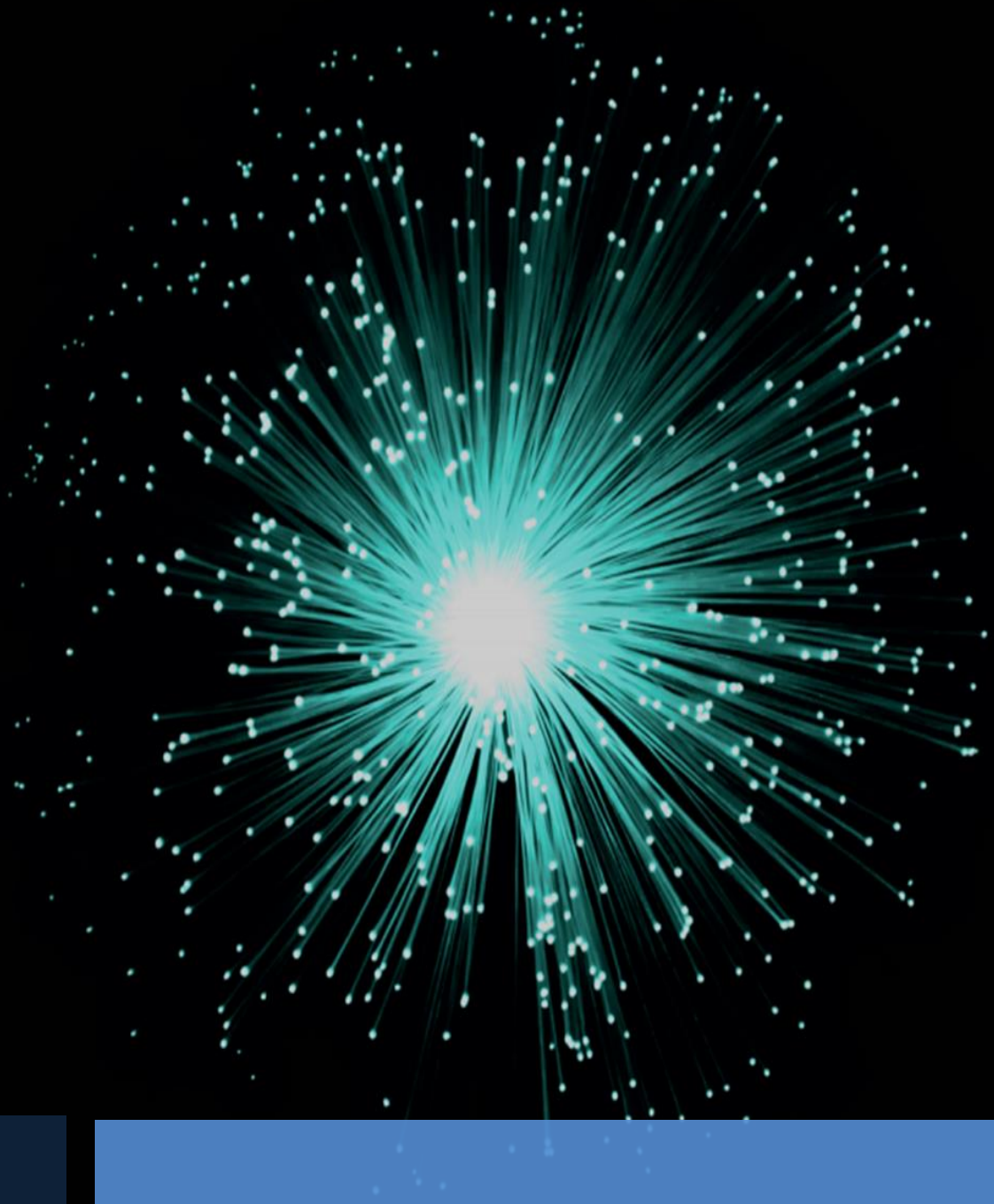
04 PROGRAM DETAILS

Program Coverage

In this Course, you will learn Social Media-based Profiling, AI/ML in InsurTech, RegTech Ecosystem, Regulatory Sandboxes, AI/ML in InsurTech, Fraud Detection, and many interesting use-cases and case studies.

3-Months Weekend Program

The Program would be offered on the weekends to enable optimal learning to those participants who are working in the Industry

Industry Partners

Our industry partners would provide you the appropriate domain and industry expertise to BankTech, InsurTech & RegTech Industry challenges in the real world

Careers and Placement help

Our program would fast track your career progression in BankTech, InsurTech & RegTech Industry through our dedicated Placement Assistance and Industry Networking

PROGRAM HIGHLIGHTS

PEDAGOGY

Blended Learning

The Program would offer an optimal blended mix of On campus bootcamp sessions, online sessions, self-paced sessions to maximize learning

Project & Live Lab

The Project gives you the opportunity to apply BankTech, InsurTech & RegTech concepts

Industry-oriented curriculum

Industry focused curriculum offered in a flexible online blended interactive format that works for busy professionals

One of the first institutions in India to be accredited in 1998 by the NAAC, and subsequently in 2004 and 2016, CHRIST University has the top grade 'A' in the 4-point scale. It has consistently ranked among the top ten for UG courses in surveys done by the India Today group, having specialized program offerings across Data Science, Analytics, Capital Markets, and FinTech.

The multi-disciplinary University which focuses on teaching research and service offers Bachelors to Doctoral programs in Humanities, Social sciences, Science, Commerce, Management, Engineering, Education, and Law to over 25000 students.

United Nations Academic Impact (UNAI) membership has added Christ University to the UNAI team of 1470 institutions in 146 countries, who are working with the United Nations to promote global priorities, including peace, human rights, and sustainable development.

EDUEDGE PRO is an EdTech initiative, founded by Mr. Harjeet Singh, a Stanford Alumnus and Financial Mathematician.

EduEdge Pro provides Skill Development and Skill Enhancement education in specialized domains within BFSI, Data Science, Analytics, FinTech, Capital Markets and Algorithmic Trading in order to bridge the gap between academia training and industry needs and to provide Upskilling.

EduEdge Pro conducts corporate training programs for leading global investment banks, asset management firms, financial institutions, exchanges and brokerage houses.

It works with leading educational institutions and universities in providing end-to-end solutions such as Centre of Excellence, Financial Research Lab and Specialization Curriculum Tracks.

PROGRAM
PARTNERS

PROGRAM
CHAIR

HARJEET SINGH
Program Chair

Harjeet has been a serial entrepreneur in FinTech, EdTech and Capital Markets and is a Financial Mathematician and Alumnus of Stanford University. He has a rich and varied experience in Global Markets & Risk, Investment Management, Sales & Trading, Algorithmic Trading, Quantitative Finance and Management Consulting across international financial institutions, banks, MNCs such as Morgan Stanley, Nomura, Standard Chartered Bank, Merrill Lynch and Accenture Consulting.

He is the Founder-Director, Global CIO and Board Member of Stelios Asset Management, a global Hedge Funds across India, Mauritius and Dubai. He is also Founder-Director of EduEdge Pro, a leading EdTech company. He is a leading industry expert in Algorithmic Trading, FinTech and Analytics. He also consults the Ministry of Finance on matters related to policy frameworks in Capital Markets

Global Charters
He has received the CFA, FRM, CAIA and PRM International charters and is a member with international associations such as CFA Institute, Global Association of Risk Professionals (GARP), Chartered Alternative Investment Analyst Association (CAIA Association) and Professional Risk Managers' International Association (PRMIA).

Asset Management Business
He is currently the Global CEO, CIO and Board Member of Stelios Asset Management Pvt Ltd. Founded in 2019, STELIOS Asset Management has received Series A international VC funding for setting up global Hedge Funds as well as onshore/offshore India-focused Hedge Funds. He has received Investment Manager licences to start hedge funds across India, Mauritius and Dubai. He holds a SEBI-registered AIF CAT III license for a long/short Equity fund in India.

Consultant to Ministry of Finance
He is also consulting the Department of Economic Affairs – Ministry of Finance in Capital Markets Policy Formation.

EdTech Initiative
He is the Founder-Director at EduEdgePro Pvt Ltd. EduEdgePro is an EdTech initiative, founded by Harjeet as part of a Family office initiative. EduEdgePro provides Skill Development and Skill Enhancement in BFSI and Analytics in order to bridge the gap between academia training and industry needs. It runs B2B programs with leading corporates and educational institutions/universities across India. EduEdgePro has conducted specialized domain training sessions in Capital Markets and Analytics for Exchanges, Regulators, Asset Management firms, Banks, Financial Institutions, Universities such as Securities and Exchange Board of India (SEBI), Multi Commodity Exchange (MCX), National Stock Exchange (NSE), Invesco Asset Management, Prudential Asset Management, JP Morgan Asset Management, Nomura, Morgan Stanley, Christ University and National Institute of Securities & Markets (NISM).
EduEdgePro has collaborated with industry partners such as Moody's Analytics, Bloomberg, CISI and MCX to provide industry-relevant certification training and programs.

FinTech Initiative
His other firm, QRAC Pvt Ltd, is an Indian FinTech company, founded by Harjeet as part of a Family office initiative. QRAC houses a Quantitative Investment Research division that specializes in building Quantitative Investment Strategies across global equities, commodities, currencies and fixed income for Institutional Advisory portfolios.

ELIGIBILITY
CRITERIA

EDUCATION

10+2 aspiring candidates of any educational background with an analytical frame of mindset are most suited one to pursue BankTech, InsurTech & RegTech Certification program

WORK EXPERIENCE

Work experience is not mandatory.

However it is desired that you have internship or full-time experience so that you can move up the learning curve faster through prior industry domain knowledge.

PROGRAMMING EXPERTISE

It is not required to have a Programming background, although desirable.

However, those without Programming background will undergo Pre-requisite training on Programming to accelerate the learning when the Program begins.

SELECTION &
ADMISSION PROCESS

Application Process

The Application process consists of a few simple steps as shown below. An offer of admission would be made to the selected candidates and accepted by the candidates by paying the admission fee.

1 ▶▶	2 ▶▶	3 ▶▶	4 ▶▶	5 ▶▶	6 ▶▶
Program Counselling	Application	Interview	Documentation	Payment Processing	Confirmation

STEP 1
PROGRAM COUNSELLING

We have a dedicated admission counsellor who are here to help guide you in applying to the program. They are available to:
- Address questions related to application.
- Assist with Financial Aid (if Required)
- Guide career role and opportunities after certified.
- Help you to understand the program detail and pedagogy.

STEP 2
APPLICATION PROCESS

- Complete your application to kick start the admission process.
- Rate your various skills of OOPs language, quantitative and logical ability.
- Submit application fee: ₹ 500/-
- Submit the form successfully and scheduled your interview with us.

STEP 3
INTERVIEW PROCESS

- Interview is with admission committee, who will review the candidate profile.
- Selection will be determined on the basis of academic records, work experience, test scores and interview.
- Upon qualifying a confirmation letter for admission to the PG Diploma in Data Science will handover to the candidate.

SELECTION &
ADMISSION PROCESS

Application Process

The Application process consists of a few simple steps as shown below. An offer of admission would be made to the selected candidates and accepted by the candidates by paying the admission fee.

1 ▶▶	2 ▶▶	3 ▶▶	4 ▶▶	5 ▶▶	6 ▶▶
Program Counselling	Application	Interview	Documentation	Payment Processing	Confirmation

STEP 4
DOCUMENTATION

After interview on the basis of confirmation letter , the required papers mentioned in the mandatory list of documents as per eligibility criteria. You would be required to submit your marksheets, education certificates, work experience proofs amongst other necessary documents.

STEP 5
PAYMENT PROCESSING

Block your seat with the initial amount of fees and begin with your prep course and start your Data Science journey.

Full or annual program fee to be deposited within 1 week of offer letter / program start – whichever is earlier.

STEP 6
CONFIRMATION

Your admission will be confirmed basis the selection procedure, document authentication and fee payment.

A welcome letter, ID card, student number and portal access will be shared upon successful completion of the admission process.

PROGRAM
FEES

PROGRAM FEE
Application fee: INR 500 plus GST
Indian participants: INR 50,000 plus GST
International participants: USD 2500 plus taxes

FINANCING OPTIONS
Please get in touch for further details

SCHOLARSHIPS
Existing Christ students and Alumnus: Available
Other participants: Available on outstanding merit
record

CORPORATE DISCOUNTS
Available on nominations of 2+ participants
Kindly contact us for further details