WileyNXT

WileyNXT
University
Program

A Transformative Job Readiness Program to Get Placements in Top Technology Companies

Skill Up. Start Great. Grow Rapid.

Crack jobs with a starting salary of ₹ 3.2 L to ₹ 8 L p.a.

Corporate Partners:

Tech Mahindra

Danske IT

crayon

MANTHAN

virtusa
Accelerating Business Outcomes

fractal
INTELLIGENCE FOR IMAGINATION

Course5
Transformative intelligence

ENVESTNET
YODLEE

RIGHT SKILLS = UPWARD TRAJECTORY FOR GROWTH

- As companies move to leaner teams, the demand for full stack developers has increased by 20 per cent in 2019
  - Business Standard

- A full-stack engineer can earn 30 percent more than a regular developer depending on the experience level
  - Ace Web Academy

- Entry-level AI role can command a 70 percent+ premium over that of a plain Computer Science (CS) Engineer
  - Economic Times

- Demand for skills such as creativity, critical thinking and decision making, and complex information processing will grow through 2030 at double-digit rates
  - Weforum.org

- Data engineering is a top tech job with 88.3 percent increase in posting in 2019
  - Dice

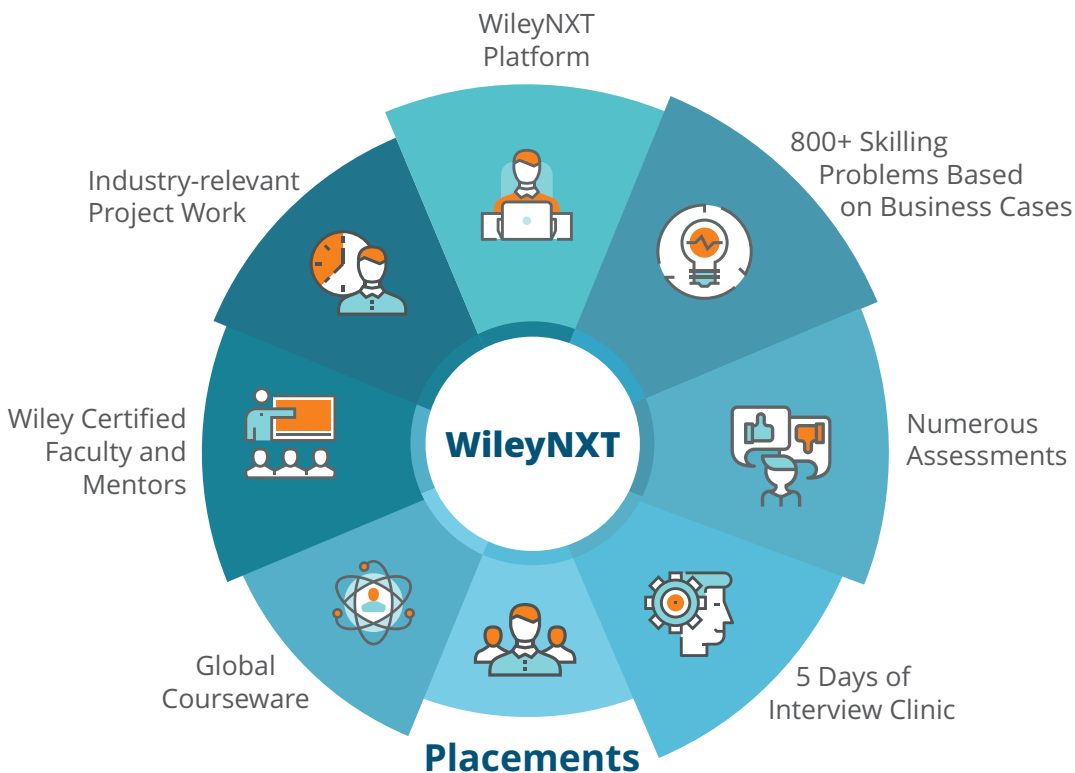- The skills needed to get a job will change by 2020
  - Weforum.org

TRANSFORM YOUR CAREER WITH
WileyNXT University PROGRAM

A **372+ hours** immersive learning program that helps you

- Build critical job-ready skills
- Master conceptual 'know-how' and demonstrate contextual 'show-how' skills
- Get placed in top tech companies
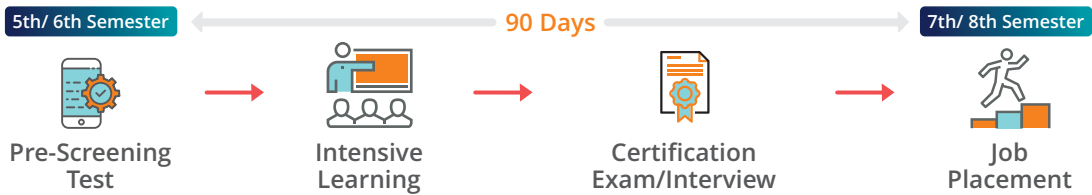
Learn Every Skill You Need to Get Hired

- WileyNXT Platform
- 800+ Skilling Problems Based on Business Cases
- Numerous Assessments
- 5 Days of Interview Clinic
- Placements
- Global Courseware
- Wiley Certified Faculty and Mentors
- Industry-relevant Project Work

WileyNXT

Co-created by Wiley, a global leader in education with 40+ top CXOs and thought leaders of Wiley Innovation Advisory Council (WIAC)*

*See page 10 for more information or visit www.wileyinnovationcouncil.com

How Can You Take the WileyNXT Programs?

Model 1: Accelerator Program

5th/ 6th Semester		90 Days		7th/ 8th Semester

Pre-Screening Test → **Intensive Learning** → **Certification Exam/Interview** → **Job Placement**

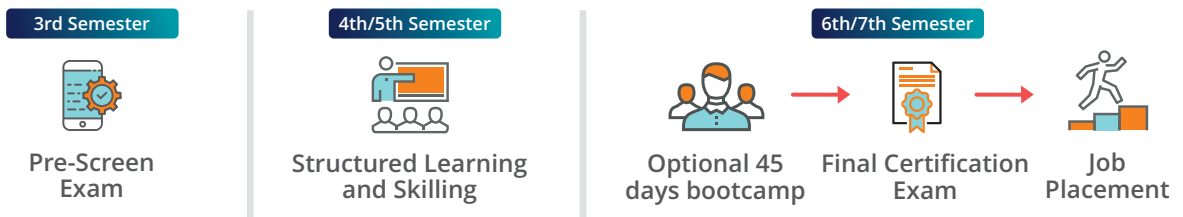### What your daily training schedule will include:

2 Hours: Concept Building Sessions by WileyNXT Certified Trainers

4-5 Hours: Hands-On Problem Solving Sessions, Mini-Projects

Additional Hours: Additional Projects, Code Challenges

Also includes:

- End of Course Examinations after each module
- Capstone Collaborative Projects
- Final Certification Examination

The More You Practice, The Better You Become!

Model 2: 3-Year Integrated Program

3rd Semester	4th/5th Semester	6th/7th Semester

Pre-Screen Exam | **Structured Learning and Skilling** | **Optional 45 days bootcamp** → **Final Certification Exam** → **Job Placement**
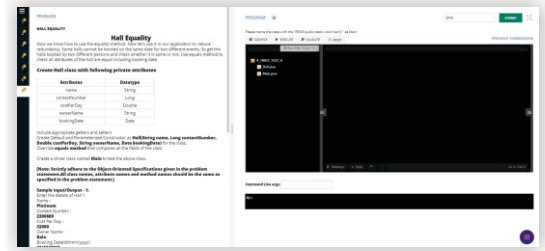
### What Your 3-Year Integrated WileyNXT Experience Will Include:

10+ Modular Courses with Online Learning resources

800+ practice skilling problems

Capstone Collaborative Projects, Additional Projects, Code Challenges

Interview Clinic

ENGAGE AND LEARN WITH THE WileyNXT PLATFORM

A Highly Interactive Approach to Learn, Practice and Assess

- ✓ Get 250+ hours of rigorous, hands-on practice
- ✓ Learn from hundreds of world-class videos
- ✓ Build real collaborative team projects
- ✓ Engage in competitive projects, gamified projects and code challenges
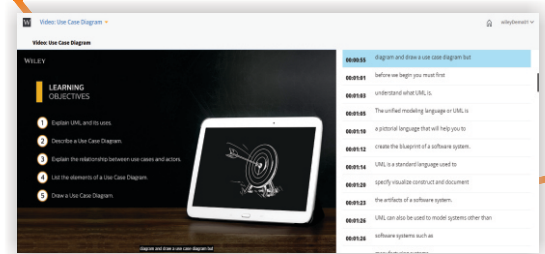
Outcome = Be Multi-skilled, and Fast-track Your Career Growth

Technical Competencies
Front-end, Server Side, Database, Testing, Algorithms

Your Pathway to Become a Supercoder

Problem-Solving Mindset
Curious, Motivated, Critical Thinker, Collaborative, Confident, High Learnability Quotient

Business Proficiencies
Design Thinking, Agile, Customer-Centric, Business Context Understanding, Focus on Application

THE WileyNXT DIFFERENTIATOR

Up-to-Date Curriculum
Developed by 40+ leaders of Wiley Innovation Advisory Council

WileyNXT Platform
Cutting edge platform that integrates learning, skilling and assessment

Global Courseware
Developed by top global experts and learning designers

Deployment
With top technology companies

Wiley Certification
Industry endorsed validation of skills

Extensive Analytics
Dashboards and leaderboards

Corporate Partners:

Tech Mahindra

Danske IT

virtusa®
Accelerating Business Outcomes

MANTHAN

crayon

Course5
Transformative intelligence

LEVERAGING WILEY ADVANTAGE

210 years of global credibility and trust

4000+ Global Experts and SMEs

33MM Learners across the globe

USD 1.7Bn Brand with Global Footprints

Best-in-Class Trainers and Mentors
Certified by Wiley

Intensive Skilling Practice
Hundreds of business problems

Collaborative Projects
Coding in multiple languages in teams

Code Challenges
Hackathons, gamified and competitive projects

Continuous Assessment
For constant tracking of learning process

"The sum total of the aggregation of the knowledge that he or she builds with WileyNXT makes them highly deployable in terms of the projects they can do from Day 1."

*— **Sameer Dhanrajani**
AI and Analytics Evangelist, Chief Strategy Officer at Fractal Analytics*

fractal
INTELLIGENCE FOR IMAGINATION

**ENVESTNET®
YODLEE®**

The **WileyNXT** ecosystem brings together corporate and academia to enable integration of contextual learning, in a learning approach specially designed for the millennial generation.

ABOUT WILEY INNOVATION ADVISORY COUNCIL (WIAC)

WileyNXT leverages the deep insights, expertise and experience of the **Wiley Innovation Advisory Council (WIAC)**, comprising 40+ leaders from industry and academia who influence the shape and direction of Industry 4.0, and is the approving and guiding body for the WileyNXT learning solutions. The Council works with WileyNXT to identify skills of the future, create learning frameworks and design learning solutions that will prepare the workforce of tomorrow.

Ajay Kelkar
Co - Founder,
Hansa Cequity

Arvind Thothadri
VP, Global Training
and Certification,
Automation Anywher

Prof. Arnab Laha
Faculty, Production and
Quantitative Methods
(P&QM), IIM Ahmedabad

Prof. S Sadagopan
Director (President)
IIT Bangalore

Vijay Ivaturi
Co-Founder and
CTO Crayon Data

Sanjay Srivastava
VP, Analytics and
Reporting American Express

Mahesh Calavai
Chief Data and
Analytics Officer, TVS Motors

AN Rao
Ex-SVP, Global Head,
Cognizant Academy

Divesh Singla
Vice President,
HEOR, Paraxel

Prithvijit Roy
Founder and CEO,
BRIDGEi2i Analytics Solutions

Prof. U Dinesh Kumar
Faculty, Decision Sciences
and Information Systems,
IIM Bangalore

Pramod Singh
Chief Analytics Officer and
VP of Data Sciences and
Analytics at Envestnet Yodlee

Pankaj Kulkresthra
CEO, Scienaptic Systems

Sriram Rajagopalan
Founder and CEO,
Diamindpick ex-SVP, HR,
Cognizant

Chris Arnold
Knowledge Services Leader,
Wells Fargo

Pankaj Rai
SVP, Strategy, Wells Fargo

Dr Rohini Srivathsa
National Technology Officer
Microsoft India

Deep Thomas
Group Chief Data and
Analytics Officer,
Aditya Birla Management Corporation

Anand S
CEO, Gramener

Anees Merchant
Global Business Head –
Digital and Insights at
Course5 Intelligence

Ganesh Mahadevan
Technology and Innovation
Practice Head, BI &
A, IoT, Analytics at Atos

Shashikant Albal
Director,
Shiv Nadar
Foundation Institution

Saraswathi Ramachandra
Head of Personal Banking IT &
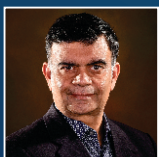Analytics Center of Excellence
at Danske IT

Sameer Dhanrajani
Chief Strategy Officer
Fractal Analytics

Anshu Sharma Raja
Managing Director,
Standard Chartered Bank

Prof. Sridhar Seshadri
Faculty and Key Influencer at
ISB Hyderabad & University of
Illinois at Urbana Champaign

Ashish Singru
Senior Director,
Finance & Analytics at eBay

Bala Girisaballa
President, Techstars

Vikas Gupta
Managing Director, Wiley India

Atul Jalan
CEO, Manthan Analytics

Sudalai Rajkumar
Data Scientist, H2O.ai
and Kaggle Grandmaster

Visit **www.wileyinnovationcouncil.com** to know more.

WileyNXT

Key challenges we are dealing with today

What would be the impact of exponential technologies on businesses across industries?

How can industry and academia collaborate to build effective learning frameworks and curricula for new age job roles of the digital economy?

What can be the strategy towards building a continuous cycle of talent that remains constantly relevant?

Evolution of Wiley Innovation Advisory Council (WIAC)

In context of these problem statements, the only way to arrive at an effective solution is by bringing in thought leaders from both industry and academia together and engaging in discussions and collaborations that lead to concrete outcomes.

With this intent in mind, Wiley conceptualized the Wiley Innovation Advisory Council (WIAC) as a forum of top influencers, thought leaders, business leaders and industry experts willing to contribute towards the Future of Work and Future of Learning.

The contributions and initiatives of WIAC are a step towards helping learners, professionals, institutes and organizations prepare best for Industry 4.0.

> "
> *"I was shocked that after 4 days of training and being on the platform the confidence level of the students greatly enhanced...they personally came up to me and said they were now passionate about coding."*
>
> **— Gurucharan Singh**
> *Training and Placement Officer,*
> *New Horizon College of Engineering*

The Journey so far...

Fostering a platform for exchange of industry insights, perspectives and trends in exponential technologies
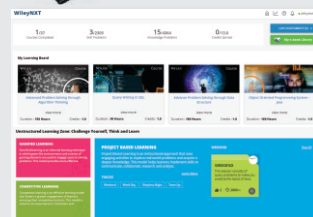
InnovationNxt discussion at **WGIC'19**

Panel discussion organized by **Bridgei2i**

Evangelizing innovation and thought leadership through publications such as the Wiley Innovation Black Book on Exponential Technologies 2019

Launch event of **Wiley Innovation Black Book on Exponential Technologies 2019** *with Peter Wiley*

Building industry-focused learning frameworks through WileyNXT for developing skilled future-ready workforce to bridge the talent gap

Glimpse of **WileyNXT** *online learning platform*

WCJFSD

Wiley Certified Java Full Stack Developer

The IT and Tech industry slated the IT sector to grow to $350 billion by 2025. This growth, driven by the push towards digital products, would need skilled developers who can take ownership of projects and create products end-to-end

Outcome of the Program

- Develop Foundation in Software development and Agile Practices
- Demonstrate proficiency in solving problems using Data Structures and Algorithms
- Become proficient in programming a browser (like using JavaScript, jQuery), a server (using Java), a database (using SQL)
- Sharpen the skills of using HTML5, CSS3 and JavaScript, tools
- Gain mastery in Front-end and Back-end application frameworks
- Gain expertise in advanced Java application framework
- Enhance your employability by showcasing skills in structuring, design, implement and testing in Java via multiple projects

CURRICULUM

Module 1: Module 1 Software Engineering

Module 2: DevOps Basics

Module 3: Cloud Foundations

Module 4: Structured programming in Java

Module 5: Core java

Module 6: Working with SQL

Module 7: Web technologies

Module 8: Web App Development

Module 9: Java Frameworks

Module 10: Maven & Jenkins

Program can be customized to fit specific curricular requirements

Prerequisites:

· Basic coding and programming skills is desirable

· Math aptitude

Micro-learning courses on 21st Century Skills

- Design Thinking
- Product Management
- Agile
- User Experience

WCDE

Wiley Certified Data Engineer

Build your skills in the full Data Engineering stack

According to NASSCOM the Indian Big Data and Analytics Industry is expected to grow to $16 billion, by 2025. The industry will need skilled workforce to build the Big Data infrastructure applications and platforms (e.g technologies like Hadoop & Spark) to support this growth

Outcome of the Program

- Demonstrate proficiency in processes involved in managing and analyzing massive data sets.
- Develop foundation in data structures and algorithms
- Acquire skills to perform batch processing operations, retrieve and store data in HDFS & Hbase using MapReduce
- Develop expertise in using tools to ingest structured and unstructured data into big data processing systems
- Gain proficiency in using Hive to perform data transformations.
- Become confident in managing workflows with OOZIE
- Develop basic programming skills in Spark and Scala
- Acquire the capability to applying core data engineering concepts to carry out real world projects d also
- Enhance your employability by showcasing data engineering skills in real world prohects

🖥️ CURRICULUM

Module 1: Structured Java

Module 2: MySQL

Module 3: OOPs Java

Module 4: Web Technologies

Module 5: Front End Frameworks

Module 6: Big Data Fundamentals

Module 7: Hadoop and MapReduce

Module 8: Advanced Hadoop

Module 9: Pig and Hive

Module 10: NoSQL

Module 11: Spark

Program can be customized to fit specific curricular requirements

Prerequisites:

· Basic coding and programming skills is desirable

· Math aptitude

Micro-learning courses on 21st Century Skills

Design Thinking

Product Management

Agile

User Experience

WCMLS

Wiley Certified Machine Learning Specialist

Build your skills in the full Machine Learning stack

The World Economic Forum predicts that the growth of artificial intelligence would create 58 million net new jobs in the next few years. This future will be built on Artificial Intelligence and Machine Learning Learning Skills

Outcome of the Program

- Develop foundation in data structures and algorithms
- Develop proficiency in, data cleaning and data manipulation techniques using Python.
- Develop ability to independently solve business problems using ML
- Master Predictive Modelling techniques such as linear and logistic regression
- Develop capability to solve segmentation -based business problems using K-Means and Hierarchical clustering
- Become proficient in handling text-based data using Natural Language processing
- Acquire skills to solve complex problems using neural networks
- Master the art of storytelling and data visualisation to build charts and dashboard and present meaningful insights to the management.
- Enhance your employability with a verified portfolio with multiple projects that will showcase the skills acquired

CURRICULUM

Module 1: Structured Java

Module 2: MySQL

Module 3: OOPs Java

Module 4: Web Technologies

Module 5: Front End Frameworks

Module 6: Big Data Fundamentals

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Module 9: Pig and Hive

Module 10: NoSQL

Module 11: Spark

*Program can be customized to fit specific curricular requirements

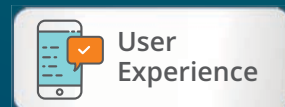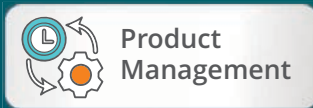### Prerequisites:

- Basic coding and programming skills is desirable
- Math aptitude

Micro-learning courses on 21st Century Skills

- Design Thinking
- Product Management
- Agile
- User Experience

Validate Your Skills with Wiley Certification

Validates excellence in technical domain and business skills as per industry requirement

Builds and benchmarks talent

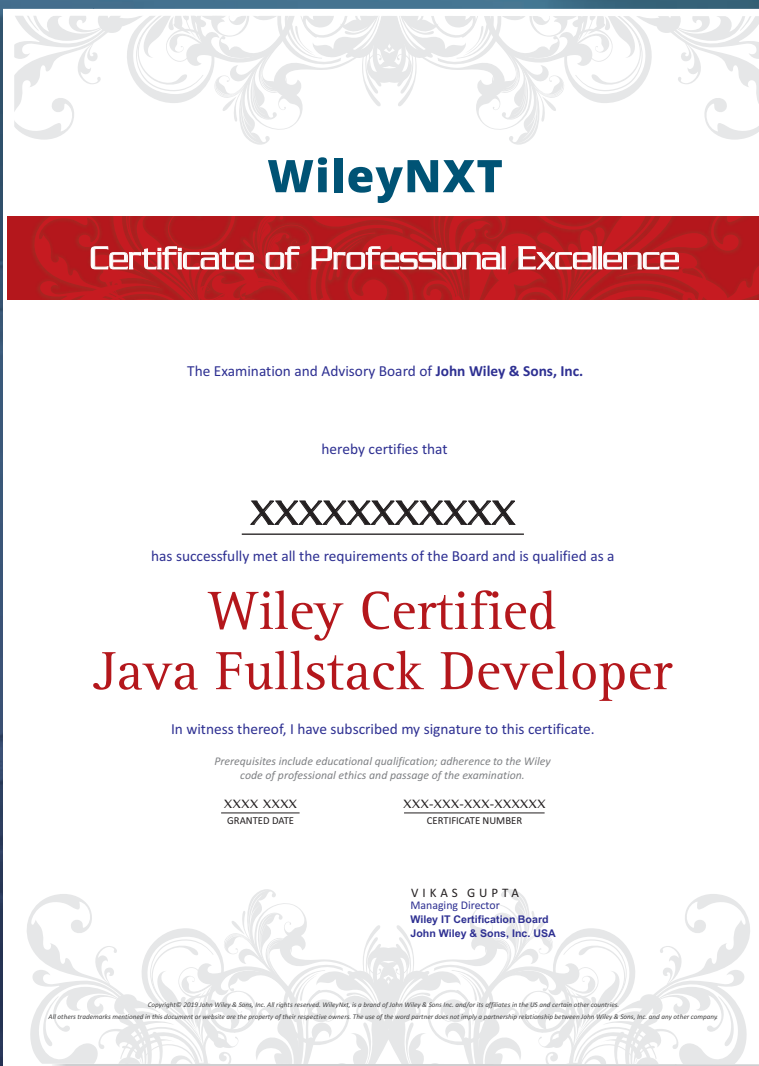**Industry recognised**

Deep Learning Expert

F&A Analytics Expert

Marketing Analytics Expert

Machine Learning Expert

Product Success Leader

Data Analyst

Python Programmer

WileyNXT

Certificate of Professional Excellence

The Examination and Advisory Board of **John Wiley & Sons, Inc.**

hereby certifies that

XXXXXXXXXX

has successfully met all the requirements of the Board and is qualified as a

Wiley Certified
Java Fullstack Developer

In witness thereof, I have subscribed my signature to this certificate.

Prerequisites include educational qualification; adherence to the Wiley code of professional ethics and passage of the examination.

XXXX XXXX
GRANTED DATE

XXX-XXX-XXX-XXXXXX
CERTIFICATE NUMBER

V I K A S   G U P T A
Managing Director
Wiley IT Certification Board
John Wiley & Sons, Inc. USA

"

"I feel accomplished and proud to be a Wiley certified Data Analyst and I believe this will definitely improve my employability. I will definitely carry on with the advance courses to further improve myself and equip myself with better skills."

— Jovan Teo
NSF, Singapore
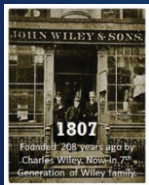*Wiley Certified Data Analyst*

for CXOs

Marketing Analytics Expert

F&A Analytics Expert

Marketing Analytics Expert

WILEY – THE GLOBAL LEADER IN LEARNING SOLUTION

200 years
of excellence

470+ Nobel Laureates

Global Presence

Serving Learners

Leveraging technology and content-enabled solutions to drive the knowledge economy

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Improve Access and Outcomes

EDUCATION

- 2800+ courses
- 527,000 students

- 179+ university partners
- 222+ online programs

Enabling Reskilling and Upskilling

- 40 million personality assessment end-users
- 6 million platform end-users

- 20,000 learning objects
- 4000 global experts

EMPLOYMENT

Accelerate Discovery, Validation

INNOVATION

- 1600 journals
- 226 million full text downloads per year

- 1200 society partners
- 15 million member researchers

Wiley drives the world forward with research and education. Through publishing, platforms and services, we help students, researchers, universities, and corporations to achieve their goals in an ever-changing world. For more than 200 years, we have delivered consistent performance to all of our stakeholders.

Visit **www.wileynxt.com** and **www.wiley.com** to know more.