

Technical & IT Skills Training Market Forecasts to 2034 – Global Analysis By Learning Mode (Online, Offline, and Blended), Application, End User and By Geography

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Abstracts

According to Statistics MRC, the Global Technical & IT Skills Training Market is accounted for \$20.3 billion in 2026 and is expected to reach \$88.1 billion by 2034 growing at a CAGR of 11.0% during the forecast period. Technical & IT Skills Training encompasses organized educational initiatives aimed at developing hands-on expertise in technology-driven and information technology domains. It includes training in fields like programming, cloud services, data science, IT security, networking, artificial intelligence, and enterprise software tools. Such training serves learners, working professionals, and enterprises by strengthening workforce capabilities, increasing career readiness, boosting operational efficiency, and enabling adaptation to rapid technological change through in-person, virtual, and hybrid learning delivery models.

Market Dynamics:

Driver:

Explosion of Agentic AI

Enterprises are increasingly deploying autonomous AI agents for software development, cybersecurity monitoring, data engineering, and IT operations, creating urgent upskilling needs. These AI-driven workflows require professionals to master areas such as machine learning orchestration, AI governance, cloud-native development, and MLOps. Training providers are expanding curricula to include prompt engineering, AI system supervision, and ethical AI deployment. Organizations are prioritizing continuous

learning models to keep pace with fast-evolving AI frameworks and tools. The convergence of automation and human oversight is redefining job roles across IT functions. This surge in AI adoption is acting as a major catalyst for sustained growth in the technical training market.

Restraint:

Tightening corporate budgets

Economic uncertainty and cost optimization initiatives are prompting organizations to delay or reduce discretionary spending on employee development. Many enterprises are shifting from comprehensive training engagements to shorter, role-specific learning modules. Budget constraints also limit the adoption of premium certification programs and customized learning platforms. Small and mid-sized companies are particularly impacted, as they often lack dedicated training budgets. Although digital delivery models reduce costs, training ROI scrutiny has intensified. As a result, financial limitations continue to restrict broader market expansion.

Opportunity:

B2B managed learning services

Enterprises are increasingly outsourcing end-to-end training management to specialized providers to reduce operational complexity. These services include curriculum design, learning platform management, analytics-driven performance tracking, and instructor sourcing. Managed learning models allow organizations to scale training programs efficiently while aligning them with evolving technology stacks. Providers are leveraging AI-based personalization and competency mapping to enhance learner outcomes. Subscription-based and outcome-driven pricing models are gaining popularity among large enterprises. This shift is transforming managed learning services into a high-growth revenue stream.

Threat:

Economic downturns

During periods of recession, organizations often deprioritize training initiatives in favor of core operational spending. Hiring slowdowns reduce immediate demand for onboarding and advanced skill development programs. Training vendors may face delayed

contracts, reduced enrollments, and pricing pressures. Workforce uncertainty also discourages individual learners from investing in high-cost technical certifications. Although reskilling remains strategically important, short-term financial pressures dominate decision-making. Prolonged economic instability could therefore dampen overall market momentum.

Covid-19 Impact:

The Covid-19 pandemic significantly reshaped the technical and IT skills training landscape. Lockdowns and remote work mandates accelerated the shift toward virtual learning platforms and cloud-based training delivery. Demand surged for skills related to cybersecurity, cloud computing, collaboration tools, and digital infrastructure management. Training providers rapidly adopted virtual labs, AI-powered assessments, and remote proctoring technologies. However, disruptions to corporate budgets temporarily slowed large enterprise training rollouts. The crisis highlighted the importance of workforce digital readiness and resilience.

The Online learning segment is expected to be the largest during the forecast period

The Online learning segment is expected to account for the largest market share during the forecast period, due to scalability, cost efficiency, and global accessibility. Enterprises and individual learners increasingly prefer digital platforms offering flexible, self-paced, and instructor-led virtual courses. Technologies such as cloud-based labs, AI-driven personalization, and immersive simulations enhance online learning effectiveness. Trends include microlearning modules, mobile-first platforms, and integrated certification pathways. Online delivery also supports rapid curriculum updates aligned with emerging technologies.

The academic institutions segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the academic institutions segment is predicted to witness the highest growth rate. Universities and technical colleges are expanding partnerships with IT training providers and technology vendors. Institutions are embedding industry-aligned certifications into degree and diploma programs to improve graduate employability. Digital transformation initiatives are driving investments in virtual labs, cloud platforms, and AI-enabled learning tools. Governments are also supporting curriculum modernization through funding and policy incentives. Enrollment growth in STEM and computer science programs is reinforcing demand for technical training

solutions.

Region with largest share:

During the forecast period, the North America region is expected to hold the largest market share. The region benefits from a mature IT ecosystem and strong presence of global technology companies. Continuous innovation in cloud computing, AI, cybersecurity, and enterprise software drives sustained demand for advanced training. Enterprises invest heavily in workforce upskilling to maintain technological competitiveness. The widespread adoption of digital learning platforms supports large-scale training deployment. Strong corporate training budgets and certification culture further strengthen market leadership.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR. Rapid digitalization across industries is driving large-scale demand for IT talent. Countries such as India, China, and Southeast Asian nations are witnessing significant growth in technology services and startups. Governments are actively promoting digital skills development through national training initiatives. The expanding youth population and rising enrollment in technical education fuel learner demand. Affordable online training platforms are accelerating market penetration.

Key players in the market

Some of the key players in Technical & IT Skills Training Market include IBM, Google, Microsoft, Global Knowledge, Oracle, LinkedIn Learning, SAP, NIIT Limited, Cisco Systems, Skillsoft, Amazon Web Services, Pluralsight, Udemy, Coursera, and CompTIA.

Key Developments:

In January 2026, IBM announced IBM Enterprise Advantage, a first-of-its-kind asset-based consulting service that combines proven AI-tools and expertise to help clients quickly build, govern, and operate their own tailored internal AI platform at scale.

In November 2025, Coursera announced two new Specializations from its new partner Anthropic, one of the world's leading AI research companies. The two Specializations Building with the Claude API and Real-World AI for Everyone will teach developers and

professionals how to effectively work with Claude, Anthropic's trusted AI assistant. As AI reshapes industries worldwide, only one-third of employees say they've received training on how to work effectively with AI, according to Boston Consulting Group.

Learning Modes Covered:

Online

Offline

Blended

Applications Covered:

IT Infrastructure Training

Enterprise Application & Software Training

Cybersecurity Training

Database & Big Data Training

Other Applications

End Users Covered:

Corporate Training

Academic Institutions

Government & Public Sector

Regions Covered:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Italy

Spain

Netherlands

Belgium

Sweden

Switzerland

Poland

Rest of Europe

Asia Pacific

China

Japan

India

South Korea

Australia

Indonesia

Thailand

Malaysia

Singapore

Vietnam

Rest of Asia Pacific

South America

Brazil

Argentina

Colombia

Chile

Peru

Rest of South America

Rest of the World (RoW)

Middle East

Saudi Arabia

United Arab Emirates

Qatar

Israel

Rest of Middle East

Africa

South Africa

Egypt

Morocco

Rest of Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2023, 2024, 2025, 2026, 2027, 2028, 2030, 2032 and 2034
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

Contents

1 EXECUTIVE SUMMARY

- 1.1 Market Snapshot and Key Highlights
- 1.2 Growth Drivers, Challenges, and Opportunities
- 1.3 Competitive Landscape Overview
- 1.4 Strategic Insights and Recommendations

2 RESEARCH FRAMEWORK

- 2.1 Study Objectives and Scope
- 2.2 Stakeholder Analysis
- 2.3 Research Assumptions and Limitations
- 2.4 Research Methodology
 - 2.4.1 Data Collection (Primary and Secondary)
 - 2.4.2 Data Modeling and Estimation Techniques
 - 2.4.3 Data Validation and Triangulation
 - 2.4.4 Analytical and Forecasting Approach

3 MARKET DYNAMICS AND TREND ANALYSIS

- 3.1 Market Definition and Structure
- 3.2 Key Market Drivers
- 3.3 Market Restraints and Challenges
- 3.4 Growth Opportunities and Investment Hotspots
- 3.5 Industry Threats and Risk Assessment
- 3.6 Technology and Innovation Landscape
- 3.7 Emerging and High-Growth Markets
- 3.8 Regulatory and Policy Environment
- 3.9 Impact of COVID-19 and Recovery Outlook

4 COMPETITIVE AND STRATEGIC ASSESSMENT

- 4.1 Porter's Five Forces Analysis
 - 4.1.1 Supplier Bargaining Power
 - 4.1.2 Buyer Bargaining Power
 - 4.1.3 Threat of Substitutes
 - 4.1.4 Threat of New Entrants

- 4.1.5 Competitive Rivalry
- 4.2 Market Share Analysis of Key Players
- 4.3 Product Benchmarking and Performance Comparison

5 GLOBAL TECHNICAL & IT SKILLS TRAINING MARKET, BY LEARNING MODE

- 5.1 Online
 - 5.1.1 E-Learning Platforms
 - 5.1.2 MOOCs
 - 5.1.3 Virtual Labs
- 5.2 Offline
 - 5.2.1 Classroom
 - 5.2.2 Workshops
 - 5.2.3 Bootcamps
- 5.3 Blended

6 GLOBAL TECHNICAL & IT SKILLS TRAINING MARKET, BY APPLICATION

- 6.1 IT Infrastructure Training
 - 6.1.1 Networking & Cloud Computing
 - 6.1.2 Operating Systems & Virtualization
- 6.2 Enterprise Application & Software Training
 - 6.2.1 ERP
 - 6.2.2 CRM
 - 6.2.3 Productivity Tools
- 6.3 Cybersecurity Training
 - 6.3.1 Ethical Hacking & Penetration Testing
 - 6.3.2 Compliance & Risk Management
 - 6.3.3 Secure Coding Practices
- 6.4 Database & Big Data Training
 - 6.4.1 SQL & NoSQL Databases
 - 6.4.2 Data Warehousing & ETL
 - 6.4.3 Analytics & Machine Learning Tools
- 6.5 Other Applications

7 GLOBAL TECHNICAL & IT SKILLS TRAINING MARKET, BY END USER

- 7.1 Corporate Training
 - 7.1.1 Workforce Upskilling

- 7.1.2 Leadership & IT Management Programs
- 7.2 Academic Institutions
 - 7.2.1 Schools & Colleges
 - 7.2.2 Vocational & Technical Institutes
- 7.3 Government & Public Sector
 - 7.3.1 National Skill Development Programs
 - 7.3.2 Defense & Public Administration IT Training

8 GLOBAL TECHNICAL & IT SKILLS TRAINING MARKET, BY GEOGRAPHY

- 8.1 North America
 - 8.1.1 United States
 - 8.1.2 Canada
 - 8.1.3 Mexico
- 8.2 Europe
 - 8.2.1 United Kingdom
 - 8.2.2 Germany
 - 8.2.3 France
 - 8.2.4 Italy
 - 8.2.5 Spain
 - 8.2.6 Netherlands
 - 8.2.7 Belgium
 - 8.2.8 Sweden
 - 8.2.9 Switzerland
 - 8.2.10 Poland
 - 8.2.11 Rest of Europe
- 8.3 Asia Pacific
 - 8.3.1 China
 - 8.3.2 Japan
 - 8.3.3 India
 - 8.3.4 South Korea
 - 8.3.5 Australia
 - 8.3.6 Indonesia
 - 8.3.7 Thailand
 - 8.3.8 Malaysia
 - 8.3.9 Singapore
 - 8.3.10 Vietnam
 - 8.3.11 Rest of Asia Pacific
- 8.4 South America

- 8.4.1 Brazil
- 8.4.2 Argentina
- 8.4.3 Colombia
- 8.4.4 Chile
- 8.4.5 Peru
- 8.4.6 Rest of South America
- 8.5 Rest of the World (RoW)
 - 8.5.1 Middle East
 - 8.5.1.1 Saudi Arabia
 - 8.5.1.2 United Arab Emirates
 - 8.5.1.3 Qatar
 - 8.5.1.4 Israel
 - 8.5.1.5 Rest of Middle East
 - 8.5.2 Africa
 - 8.5.2.1 South Africa
 - 8.5.2.2 Egypt
 - 8.5.2.3 Morocco
 - 8.5.2.4 Rest of Africa

9 STRATEGIC MARKET INTELLIGENCE

- 9.1 Industry Value Network and Supply Chain Assessment
- 9.2 White-Space and Opportunity Mapping
- 9.3 Product Evolution and Market Life Cycle Analysis
- 9.4 Channel, Distributor, and Go-to-Market Assessment

10 INDUSTRY DEVELOPMENTS AND STRATEGIC INITIATIVES

- 10.1 Mergers and Acquisitions
- 10.2 Partnerships, Alliances, and Joint Ventures
- 10.3 New Product Launches and Certifications
- 10.4 Capacity Expansion and Investments
- 10.5 Other Strategic Initiatives

11 COMPANY PROFILES

- 11.1 IBM
- 11.2 Google
- 11.3 Microsoft

- 11.4 Global Knowledge
- 11.5 Oracle
- 11.6 LinkedIn Learning
- 11.7 SAP
- 11.8 NIIT Limited
- 11.9 Cisco Systems
- 11.10 Skillsoft
- 11.11 Amazon Web Services
- 11.12 Pluralsight
- 11.13 Udemy
- 11.14 Coursera
- 11.15 CompTIA

List Of Tables

LIST OF TABLES

Table 1 Global Technical & IT Skills Training Market Outlook, By Region (2023-2034) (\$MN)

Table 2 Global Technical & IT Skills Training Market Outlook, By Learning Mode (2023-2034) (\$MN)

Table 3 Global Technical & IT Skills Training Market Outlook, By Online (2023-2034) (\$MN)

Table 4 Global Technical & IT Skills Training Market Outlook, By E-Learning Platforms (2023-2034) (\$MN)

Table 5 Global Technical & IT Skills Training Market Outlook, By MOOCs (2023-2034) (\$MN)

Table 6 Global Technical & IT Skills Training Market Outlook, By Virtual Labs (2023-2034) (\$MN)

Table 7 Global Technical & IT Skills Training Market Outlook, By Offline (2023-2034) (\$MN)

Table 8 Global Technical & IT Skills Training Market Outlook, By Classroom (2023-2034) (\$MN)

Table 9 Global Technical & IT Skills Training Market Outlook, By Workshops (2023-2034) (\$MN)

Table 10 Global Technical & IT Skills Training Market Outlook, By Bootcamps (2023-2034) (\$MN)

Table 11 Global Technical & IT Skills Training Market Outlook, By Blended (2023-2034) (\$MN)

Table 12 Global Technical & IT Skills Training Market Outlook, By Application (2023-2034) (\$MN)

Table 13 Global Technical & IT Skills Training Market Outlook, By IT Infrastructure Training (2023-2034) (\$MN)

Table 14 Global Technical & IT Skills Training Market Outlook, By Networking & Cloud Computing (2023-2034) (\$MN)

Table 15 Global Technical & IT Skills Training Market Outlook, By Operating Systems & Virtualization (2023-2034) (\$MN)

Table 16 Global Technical & IT Skills Training Market Outlook, By Enterprise Application & Software Training (2023-2034) (\$MN)

Table 17 Global Technical & IT Skills Training Market Outlook, By ERP (2023-2034) (\$MN)

Table 18 Global Technical & IT Skills Training Market Outlook, By CRM (2023-2034)

(\$MN)

Table 19 Global Technical & IT Skills Training Market Outlook, By Productivity Tools (2023-2034) (\$MN)

Table 20 Global Technical & IT Skills Training Market Outlook, By Cybersecurity Training (2023-2034) (\$MN)

Table 21 Global Technical & IT Skills Training Market Outlook, By Ethical Hacking & Penetration Testing (2023-2034) (\$MN)

Table 22 Global Technical & IT Skills Training Market Outlook, By Compliance & Risk Management (2023-2034) (\$MN)

Table 23 Global Technical & IT Skills Training Market Outlook, By Secure Coding Practices (2023-2034) (\$MN)

Table 24 Global Technical & IT Skills Training Market Outlook, By Database & Big Data Training (2023-2034) (\$MN)

Table 25 Global Technical & IT Skills Training Market Outlook, By SQL & NoSQL Databases (2023-2034) (\$MN)

Table 26 Global Technical & IT Skills Training Market Outlook, By Data Warehousing & ETL (2023-2034) (\$MN)

Table 27 Global Technical & IT Skills Training Market Outlook, By Analytics & Machine Learning Tools (2023-2034) (\$MN)

Table 28 Global Technical & IT Skills Training Market Outlook, By Other Applications (2023-2034) (\$MN)

Table 29 Global Technical & IT Skills Training Market Outlook, By End User (2023-2034) (\$MN)

Table 30 Global Technical & IT Skills Training Market Outlook, By Corporate Training (2023-2034) (\$MN)

Table 31 Global Technical & IT Skills Training Market Outlook, By Workforce Upskilling (2023-2034) (\$MN)

Table 32 Global Technical & IT Skills Training Market Outlook, By Leadership & IT Management Programs (2023-2034) (\$MN)

Table 33 Global Technical & IT Skills Training Market Outlook, By Academic Institutions (2023-2034) (\$MN)

Table 34 Global Technical & IT Skills Training Market Outlook, By Schools & Colleges (2023-2034) (\$MN)

Table 35 Global Technical & IT Skills Training Market Outlook, By Vocational & Technical Institutes (2023-2034) (\$MN)

Table 36 Global Technical & IT Skills Training Market Outlook, By Government & Public Sector (2023-2034) (\$MN)

Table 37 Global Technical & IT Skills Training Market Outlook, By National Skill Development Programs (2023-2034) (\$MN)

Table 38 Global Technical & IT Skills Training Market Outlook, By Defense & Public Administration IT Training (2023-2034) (\$MN)

Note: Tables for North America, Europe, APAC, South America, and Rest of the World (RoW) are also represented in the same manner as above.

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