COURSE OVERVIEW FM0238

AI in Finance & Investment - AI-Driven Analytics, Fraud Detection & Automation

Course Title

AI in Finance & Investment - AI-Driven Analytics, Fraud Detection & Automation

Course Date/Venue

Session 1: August 18-22, 2025/Glasshouse Meeting Room, Grand Millennium Al Wahda Hotel, Abu Dhabi, UAE

Session 2: November 23-27, 2025/Tamra Meeting Room, Al Bandar Rotana Creek, Dubai UAE

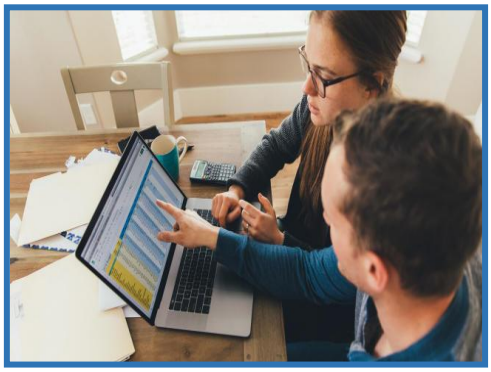
Course Reference

FM0238

Course Duration/Credits

Five days/3.0 CEUs/30 PDHs

Course Objectives



This practical and highly-interactive course includes various practical sessions and exercises. Theory learnt will be applied using "MS-Excel" application.

This course is designed to provide participants with a detailed and up-to-date overview of Artificial Intelligence in Finance & Investment - AI-Driven Analytics, Fraud Detection & Automation. It covers the machine learning versus traditional financial analysis; the AI in market trend analysis and financial forecasting; the AI for portfolio optimization, asset allocation, sentiment analysis in financial markets and AI-powered risk assessment in investment strategies; the AI for creditworthiness assessment, AI-based alternative credit scoring models, predictive analytics for loan default prevention and AI in real-time credit risk monitoring; how robo-advisors work in AI-driven investment management; and the AI-powered personalized portfolio recommendations and AI-for risk profiling in wealth management.

Further, the course will also discuss the AI in financial fraud detection, anti-money laundering (AML) and compliance and cybersecurity for financial institutions; the AI in risk assessment for investments and insurance fraud detection; the AI for portfolio optimization, cryptocurrency and blockchain investments, real estate investment and risk analysis; the high-growth startups, due diligence and risk evaluations and the forecasting venture capital exit strategies; the AI-powered chatbots for banking assistance, AI in automated loan processing and approvals; and the AI-based personalized banking recommendations.

During this interactive course, participants will learn the AI in predictive financial modeling, personalized financial services and automated payment processing; the corporate cash flow and liquidity and the treasury risk management strategies, automating corporate financial transactions and cost optimization in corporate finance; the AI's role in the next-generation financial landscape, AI and quantum computing in financial modeling and AI in sustainable and ESG investment; the future AI trends in investment and banking and AI and ethics in financial decision-making; and the regulatory compliance and financial governance, global financial markets and enterprise-level financial institutions.

Course Objectives

Upon the successful completion of this course, each participant will be able to:-

- Apply and gain a comprehensive knowledge on artificial intelligence in finance and investment
- Differentiate machine learning versus traditional financial analysis and apply AI in market trend analysis and financial forecasting
- Apply AI for portfolio optimization and asset allocation, using AI for sentiment analysis in financial markets and AI-powered risk assessment in investment strategies
- Describe the AI for creditworthiness assessment, AI-based alternative credit scoring models, predictive analytics for loan default prevention and AI in real-time credit risk monitoring
- Discuss how robo-advisors work in AI-driven investment management and apply AI-powered personalized portfolio recommendations and AI-for risk profiling in wealth management
- Employ AI in financial fraud detection, anti-money laundering (AML) and compliance, cybersecurity for financial institutions
- Apply AI in risk assessment for investments, insurance fraud detection
- Carryout AI for portfolio optimization, cryptocurrency and blockchain investments, real estate investment and risk analysis
- Identify high-growth startups, due diligence and risk evaluations and apply forecasting venture capital exit strategies
- Explain AI-powered chatbots for banking assistance, AI in automated loan processing and approvals and AI-based personalized banking recommendations
- Illustrate AI in predictive financial modeling, personalized financial services and automated payment processing
- Predict corporate cash flow and liquidity and apply treasury risk management strategies, automating corporate financial transactions and cost optimization in corporate finance
- Discuss AI's role in the next-generation financial landscape, AI and quantum computing in financial modeling, AI in sustainable and ESG investment and future AI trends in investment and banking
- Employ AI and ethics in financial decision-making, regulatory compliance and financial governance, global financial markets and enterprise-level financial institutions

Exclusive Smart Training Kit - H-STK®

*Participants of this course will receive the exclusive "Haward Smart Training Kit" (**H-STK®**). The **H-STK®** consists of a comprehensive set of technical content which includes **electronic version** of the course materials conveniently saved in a **Tablet PC**.*

Who Should Attend

This course provides an overview of all significant aspects and considerations of artificial intelligence in finance and investment for finance professionals, data analysts & data scientists, compliance officers & internal auditors, technology & IT professionals in finance, business executives and decision-makers, fintech entrepreneurs and startups, regulators and policymakers, anyone interested in AI for financial security & automation.

Training Methodology

All our Courses are including **Hands-on Practical Sessions** using equipment, State-of-the-Art Simulators, Drawings, Case Studies, Videos and Exercises. The courses include the following training methodologies as a percentage of the total tuition hours:-

30% Lectures
20% Practical Workshops & Work Presentations
30% Hands-on Practical Exercises & Case Studies
20% Simulators (Hardware & Software) & Videos

In an unlikely event, the course instructor may modify the above training methodology before or during the course for technical reasons.

Accommodation

Accommodation is not included in the course fees. However, any accommodation required can be arranged at the time of booking.

Course Fee

US$ 5,500 per Delegate + **VAT**. This rate includes H-STK® (Haward Smart Training Kit), buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Course Certificate(s)

Internationally recognized certificates will be issued to all participants of the course who completed a minimum of 80% of the total tuition hours

Certificate Accreditations

Certificates are accredited by the following international accreditation organizations: -

- British Accreditation Council (BAC)

  Haward Technology is accredited by the **British Accreditation Council** for **Independent Further and Higher Education** as an **International Centre**. BAC is the British accrediting body responsible for setting standards within independent further and higher education sector in the UK and overseas. As a BAC-accredited international centre, Haward Technology meets all of the international higher education criteria and standards set by BAC.

- The International Accreditors for Continuing Education and Training (IACET - USA)

  Haward Technology is an Authorized Training Provider by the International Accreditors for Continuing Education and Training (IACET), 2201 Cooperative Way, Suite 600, Herndon, VA 20171, USA. In obtaining this authority, Haward Technology has demonstrated that it complies with the **ANSI/IACET 2018-1 Standard** which is widely recognized as the standard of good practice internationally. As a result of our Authorized Provider membership status, Haward Technology is authorized to offer IACET CEUs for its programs that qualify under the **ANSI/IACET 2018-1 Standard**.

  Haward Technology's courses meet the professional certification and continuing education requirements for participants seeking **Continuing Education Units** (CEUs) in accordance with the rules & regulations of the International Accreditors for Continuing Education & Training (IACET). IACET is an international authority that evaluates programs according to strict, research-based criteria and guidelines. The CEU is an internationally accepted uniform unit of measurement in qualified courses of continuing education.

  Haward Technology Middle East will award **3.0 CEUs** (Continuing Education Units) or **30 PDHs** (Professional Development Hours) for participants who completed the total tuition hours of this program. One CEU is equivalent to ten Professional Development Hours (PDHs) or ten contact hours of the participation in and completion of Haward Technology programs. A permanent record of a participant's involvement and awarding of CEU will be maintained by Haward Technology. Haward Technology will provide a copy of the participant's CEU and PDH Transcript of Records upon request.

Course Instructor(s)

This course will be conducted by the following instructor(s). However, we have the right to change the course instructor(s) prior to the course date and inform participants accordingly:

Mr. Mike Taylor, PhD (on-going), MScLI, MBA, MBL, BSc, HDE, is a **Senior Finance & Management Consultant** with over **25 years** of experience in **Power** & **Water Utilities**, **Other Energy** Sectors and **Financial** industries. His expertise lies extensively in the areas of **Finance Budgeting**, **Budgeting**, Forecasting & Planning, **Budgeting** and Cost Control, **Finance & Budgeting** Process & Procedures, **Effective Budgeting** & Cost Control,**Project Financial Data, Financial Indicators**, **Financial Leverage**, **Discounted Cash Flows**, **Economic Cost** Analysis, **Equity Profitability** Analysis, **Financial** Modelling & Forecasting, **Financial** Analysis Techniques, **Financial Data** Analysis Concepts & Process, **Credit** Analysis, **Financial & Accounting** Management, **Financial Planning** Techniques, **Vendor Invoice Processing** & **Management**, **Evaluating Cost** & **Revenue**, **Budgeting & Cost Control** and **Marketing** Management, **Project Quality** Management**, Quality Control & Site Inspection, Project Quality Plan, Construction Quality** Management, **Material** Management **& Project Turnover, Project Risk** Management, **Risk** Identification Tools & Techniques, **Project** Life Cycle, **Project Stakeholder** & Governance, **Project Management** Processes, **Project Integration** Management, **Project** Management Plan, **Project Work** Monitoring & Control, **Project Scope** Management, **Project Time** Management, **Project Cost** Management, **Project Quality** Management, **Quality** Assurance, **Project Human Resource** Management, **Project Communications** Management, **Project Planning, Scheduling & Cost Control Professional**, **Project Scheduling & Cost Control**, **Facilitation & Leadership** Skills, **Coaching**, **Human Resource** Development, **Psychometric** Testing, **Career Development** & Competence, **Succession Planning**, **Self-Development & Empowerment**, **Personal Learning Needs Identification**, **Data Quality Control**, **Data Quality Assessment**, **Data Quality Planning**, **Data Quality Strategy** Management, **Customer** Management. Further, he is also well-versed in. **Leadership** Skills, **Presentation** Skills, **Negotiation** Skills, **Decision Making** Skills, **Communication** Skills, **Emotional Intelligence**, **Performance** Management, **Contract** Management, **Quality** Management, **Commercial Strategy**, **Project** Management, **Risk** Management, **Leadership & Business** Management, **Human Resource** Management, **Planning**, **Budgeting & Cost Control**, **Business Development**, Innovation, Sales Strategy and Knowledge & **Intangible Asset Assessment** Design.Mr. Taylor is the **Founder & CEO** of Mitakon Innovation Pty Ltd wherein he is responsible for the development of Executives & Senior Managers specializing in innovation, knowledge management and commercial negotiation as well as authored, implemented and executed a global 21st century facilitation and leadership methodology.

During his career life, Mr. Taylor has gained his practical and field experience through his various significant positions and dedication as the **Knowledge-Solutions Service Provider**, **Founder-Principal/CIO**, **Subject Matter Expert**, **Consulting Partner**, **Executive/Management Development Facilitator**, **Multinational/Corporate Senior Management Consultant**, **Senior Quality & Finance Management Consultant**, **Executive Management Development/Facilitator**, **Business Consultant/Facilitator**, **Business & Quality Consultant/Coach**, **Client Director**, **Administration Manager**, **Quality Manager**, **International Sales & Business Development Executive**, **Regional Sales Manager**, **National Key Accounts Manager**, **Commercial Sales & Marketing Consultant**, **Admin Assistant**, **Sales & Marketing Representative**, **Key Note Speaker**, **Lecturer** and **Instructor/Trainer** for various international companies such as the Highland Group (Business Consulting), **Anglo American**, **BHP Billiton**, Rio Tinto, DI Management Solutions (BPO), Master Deal Making Institute (MDMI), RMG/Contact Media & Communications, Paul Dinsdale Properties (PDP), Giant Leap Architects, Wise Capital Investments (HOD), Evolution® Advertising, Collaborative Xchange, Leatt Corporation, Dentsply SA, FMCG/Binzagr Company, **Unilever**, **Kellogg's**, BAT, **Hershey's**, CORO, Lilly Direct/Lennon Generics and Bausch & Lomb.

Mr. Taylor has **Master's** degree in **Leadership & Innovation**, **Business Administration** and **Business Leadership** as well as a **Bachelor** degree in **Physical Education** and pursuing **PhD** in **Global Governance & Energy Policy**. Further, he is a **Certified Instructor/Trainer**, **Certified Internal Verifier/Trainer/Assessor** by the **Institute of Leadership & Management** (**ILM**) and a member of Incremental Advantage, Da Vinci Institute, Black Management Forum, Institute of Directors (IOD), World Future Society (WFS), Social Science Research Network, University of Kwazulu Natal (Alumnus), Anthropology & Archaeology Research Network and National Research Foundation (NRF). He has further delivered numerous trainings, courses, workshops, seminars and conferences globally.

Course Program

The following program is planned for this course. However, the course instructor(s) may modify this program before or during the course for technical reasons with no prior notice to participants. Nevertheless, the course objectives will always be met:

Day 1

0730 – 0800	*Registration & Coffee*
0800 – 0815	*Welcome & Introduction*
0815 – 0830	***PRE-TEST***
0830 – 0930	***Understanding AI in Finance & Investment*** *Overview of AI and Its Role in Finance • Machine Learning vs. Traditional Financial Analysis • Key AI Technologies in Financial Services (ML, NLP, Deep Learning) • Benefits & Challenges of AI Adoption in Finance*
0930 – 0945	*Break*
0945 – 1040	***AI-Powered Financial Data Analytics*** *AI in Market Trend Analysis & Financial Forecasting • AI for Portfolio Optimization & Asset Allocation • Using AI for Sentiment Analysis in Financial Markets • AI-Powered Risk Assessment in Investment Strategies*
1040 – 1135	***AI in Algorithmic Trading*** *What is AI-Powered Algorithmic Trading? • High-Frequency Trading (HFT) with AI • Reinforcement Learning for Trading Strategies • Case Study: AI-Powered Hedge Fund Strategies*
1135 - 1230	***AI in Credit Scoring & Loan Approvals*** *AI for Creditworthiness Assessment • AI-Based Alternative Credit Scoring Models • Predictive Analytics for Loan Default Prevention* *AI in Real-Time Credit Risk Monitoring*
1230 – 1245	*Break*
1245 – 1335	***AI & Robo-Advisors in Wealth Management*** *How Robo-Advisors Work in AI-Driven Investment Management • AI-Powered Personalized Portfolio Recommendations • AI for Risk Profiling in Wealth Management • Case Study: AI-Driven Wealth Management Platforms*
1335 - 1420	***Hands-on: AI-Powered Financial Data Analysis*** *Using AI Tools for Market Trend Predictions • Implementing Sentiment Analysis for Stock Market Insights • AI-Based Risk Scoring for Investment Portfolios • Evaluating AI Predictions with Historical Financial Data*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day One*

Day 2

0730 – 0830	***AI in Financial Fraud Detection*** *Overview of AI for Detecting Financial Fraud • AI in Identifying Suspicious Transactions & Anomalies • Real-Time Fraud Prevention with AI-Powered Monitoring • AI-Based Behavioral Analysis for Fraud Prevention*
0830 – 0900	***AI in Anti-Money Laundering (AML) & Compliance*** *AI for Detecting Money Laundering Patterns • AI-Powered Know Your Customer (KYC) Verification • AI for Regulatory Compliance & Risk Assessment • AI in Automating Compliance Reporting*

0900 – 0915	*Break*
0915 – 1100	***AI in Cybersecurity for Financial Institutions*** *AI for Detecting & Preventing Cyber Threats • AI-Powered Behavioral Biometrics for Authentication • AI in Preventing Phishing & Identity Theft • Case Study: AI in Banking Cybersecurity*
1100 – 1230	***AI in Risk Assessment for Investments*** *AI-Powered Predictive Risk Models • AI for Volatility Prediction & Market Stress Testing • AI in Credit Risk Management for Institutional Investors • AI-Driven Real-Time Risk Analytics for Fund Managers*
1230 – 1245	*Break*
1245 – 1335	***AI in Insurance Fraud Detection*** *AI in Predicting Fraudulent Insurance Claims • AI for Auto, Health & Property Insurance Fraud Analysis • AI in Reducing False Positives in Fraud Detection • Case Study: AI-Powered Insurance Fraud Detection*
1335 - 1420	***Hands-on: Implementing AI for Fraud Detection*** *AI-Powered Anomaly Detection for Fraudulent Transactions • AI-Based KYC Verification for Customer Onboarding • Building an AI Model for Credit Risk Scoring • AI-Powered Compliance Automation in Finance*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Two*

Day 3

0730 – 0830	***AI in Stock Market Prediction & Trading Strategies*** *AI for Analyzing Market Trends & Forecasting Prices • Machine Learning for Stock Price Prediction • AI in Portfolio Diversification & Rebalancing • Case Study: AI-Powered Hedge Fund Strategies*
0830 – 0900	***AI for Portfolio Optimization*** *AI-Based Asset Allocation Strategies • AI for Predictive Portfolio Risk Analysis • AI-Powered Rebalancing Techniques • AI in ETF & Index Fund Management*
0900 – 0915	*Break*
0915 – 1100	***AI in Cryptocurrency & Blockchain Investments*** *AI for Predicting Cryptocurrency Price Movements • AI-Based Crypto Trading Bots & Automated Strategies • AI in Blockchain-Based Risk Analytics • Case Study: AI-Powered Cryptocurrency Portfolio Management*
1100 – 1230	***AI in Real Estate Investment & Risk Analysis*** *AI for Predicting Property Value Fluctuations • AI in Commercial & Residential Real Estate Analytics • AI for Mortgage Risk Assessment & Loan Approvals • AI in Real-Time Property Market Trend Analysis*
1230 – 1245	*Break*
1245 – 1335	***AI in Private Equity & Venture Capital*** *AI for Identifying High-Growth Startups • AI-Powered Due Diligence & Risk Evaluation • AI in Forecasting Venture Capital Exit Strategies • Case Study: AI-Powered Private Equity Decision-Making*

1335 - 1420	***Hands-on: AI in Portfolio & Investment Analytics*** *AI for Stock Sentiment Analysis Using NLP • AI-Based Portfolio Optimization Model Implementation • AI for Cryptocurrency Price Prediction with Machine Learning • AI-Powered Financial Dashboard for Investment Analysis*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Three*

Day 4

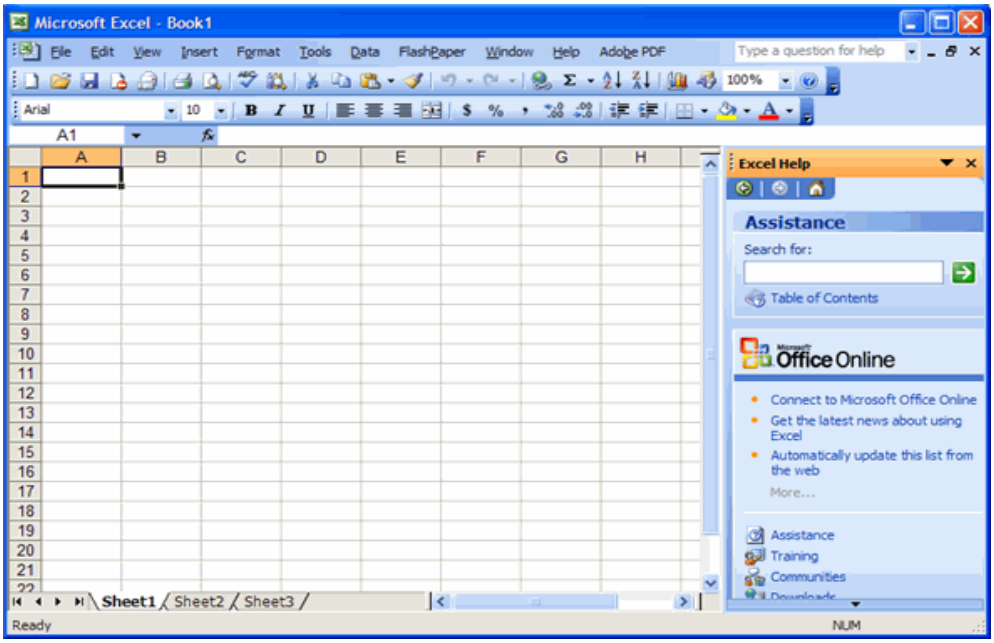
0730 – 0830	***AI in Banking & Financial Services Automation*** *AI-Powered Chatbots for Banking Assistance • AI in Automated Loan Processing & Approvals • AI-Based Personalized Banking Recommendations • Case Study: AI-Powered Digital Banking Platforms*
0830 – 0930	***AI in Predictive Financial Modeling*** *AI in Financial Forecasting & Planning • AI for Real-Time Market Data Analysis • AI-Powered Predictive Revenue & Profit Estimation • Case Study: AI in Financial Decision-Making*
0930 – 0945	*Break*
0945 – 1100	***AI in Personalized Financial Services*** *AI-Based Personalized Investment Recommendations • AI-Powered Risk Assessment for Individual Investors • AI in Automating Financial Planning & Advisory • AI for Custom Credit Scoring & Loan Recommendations*
1100 – 1215	***AI in Automated Payment Processing*** *AI in Fraud Prevention for Digital Payments • AI-Powered Payment Authorization & Security • AI in Cross-Border Payment Optimization • AI-Based Instant Payment & Settlement Systems*
1215 – 1230	*Break*
1245 – 1335	***AI in Corporate Finance & Treasury Management*** *AI for Predicting Corporate Cash Flow & Liquidity • AI-Based Treasury Risk Management Strategies • AI for Automating Corporate Financial Transactions • AI-Powered Cost Optimization in Corporate Finance*
1335 - 1420	***Hands-on: Implementing AI for Financial Automation*** *AI-Powered Banking Chatbot Deployment • AI in Real-Time Transaction Monitoring • AI-Based Financial Forecasting with Historical Data • AI for Predicting Loan Default Risks*
1420 – 1430	***Recap*** *Using this Course Overview, the Instructor(s) will Brief Participants about the Topics that were Discussed Today and Advise Them of the Topics to be Discussed Tomorrow*
1430	*Lunch & End of Day Four*

Day 5

0730 – 0830	***The Future of AI in Finance & Investment*** *AI's Role in the Next-Generation Financial Landscape • AI & Quantum Computing in Financial Modeling• AI in Sustainable & ESG Investments• Future AI Trends in Investment & Banking*
0830 – 0930	***AI & Ethics in Financial Decision-Making*** *AI Bias in Credit Scoring & Loan Approvals • AI Transparency & Accountability in Finance • Ethical AI Use in Investment Management • AI in Preventing Market Manipulation*
0930 – 0945	*Break*
0945 – 1045	***AI in Regulatory Compliance & Financial Governance*** *AI for Monitoring Compliance in Financial Transactions • AI-Powered Regulatory Reporting & Documentation • AI in Predictive Auditing & Forensic Accounting • AI & GDPR Compliance in Financial Data Processing*
1045 – 1130	***AI in Global Financial Markets*** *AI for Cross-Border Investments & Trade Forecasting • AI-Powered Foreign Exchange Market Predictions • AI in Economic Risk Assessment for International Trade • AI in Macroeconomic Modeling*
1130 – 1230	***Implementing AI in Enterprise-Level Financial Institutions*** *AI-Powered FinTech & Banking Transformation • AI-Based Risk Management for Large Financial Institutions • AI & Blockchain Integration in Finance • Scaling AI Adoption in Financial Organizations*
1215 – 1230	*Break*
1230 – 1345	***Final Project & AI Strategy Implementation*** *AI-Powered Financial Strategy* Development• AI-*Based Investment Portfolio Simulation • AI in Risk & Fraud Analytics Implementation • Course Summary & Next Steps in AI for Finance*
1345 – 1400	***Course Conclusion*** *Using this Course Overview, the Instructor(s) will Brief Participants about Topics that were Covered During the Course*
1400 – 1415	***POST-TEST***
1415 – 1430	*Presentation of Course Certificates*
1430	*Lunch & End of Course*

Simulator (Hands-on Practical Sessions)

Practical sessions will be organized during the course for delegates to practice the theory learnt. Delegates will be provided with an opportunity to carryout various exercises using “MS-Excel” application.



MS-Excel

Course Coordinator

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