Master's Degree Course in Project Management & Development (M.A. PMD)
Study Duration: 2 semesters, 60 credits:

Semester 1:

Module Name	Module Code	Teaching Hours	Credits
Foundations of Project Management	PMD101	45	6
Strategic Planning and Development	PMD102	60	8
Project Risk Management	PMD103	45	6
Leadership and Team Management in Projects	PMD104	45	5
Project Evaluation and Performance Measurement	PMD105	45	5
Professional Ethics in Project Management	PMD106	30	3

Semester 2:

Module Name	Module Code	Teaching Hours	Credits
Advanced Project Management Techniques	PMD201	45	6
Project Finance and Budgeting	PMD202	60	8
Stakeholder Engagement and Communication	PMD203	45	6
Project Quality Management	PMD204	45	5
Global Project Management and Cross-Cultural Teams	PMD205	45	5
Master's Project in Project Management	PMD206	30	0

Module Outline:

Semester 1:

Module 1: Foundations of Project Management (PMD101)
1. Introduction to Project Management
2. Project Life Cycle and Methodologies
3. Project Initiation and Planning
4. Project Execution and Monitoring
5. Project Closure and Evaluation
6. Case Studies in Project Management

Module 2: Strategic Planning and Development (PMD102)
1. Strategic Management in Projects
2. Project Portfolio Management
3. Organizational Development and Project Alignment
4. Strategic Decision-Making in Project Environments
5. Innovation and Creativity in Project Development
6. Strategic Planning Case Studies in Project Management

The pattern continues for subsequent semesters and modules.

Semester 2:

Module 3: Advanced Project Management Techniques (PMD201)
1. Advanced Project Scheduling Techniques
2. Agile and Scrum Methodologies
3. Earned Value Management
4. Advanced Risk Management Strategies
5. Complex Project Management Challenges
6. Case Studies in Advanced Project Management

Module 4: Project Finance and Budgeting (PMD202)
1. Financial Planning for Projects
2. Budgeting and Resource Allocation
3. Cost Estimation and Control
4. Project Financial Reporting
5. Financing Strategies for Projects
6. Case Studies in Project Finance and Budgeting

Module 5: Stakeholder Engagement and Communication (PMD203)
1. Stakeholder Identification and Analysis
2. Effective Communication Strategies
3. Stakeholder Engagement and Relationship Management
4. Conflict Resolution in Project Environments
5. Cultural Competence in Stakeholder Communication
6. Case Studies in Stakeholder Engagement

Module 6: Project Quality Management (PMD204)
1. Principles of Quality Management
2. Quality Planning and Assurance
3. Quality Control in Projects
4. Continuous Improvement and Six Sigma
5. ISO Standards in Project Quality Management
6. Case Studies in Project Quality Management

Module 7: Global Project Management and Cross-Cultural Teams (PMD205)
1. Challenges and Opportunities in Global Project Management
2. Cultural Dimensions and their Impact on Projects
3. Leading Cross-Cultural Project Teams
4. Global Supply Chain Management
5. Legal and Ethical Considerations in Global Projects
6. Case Studies in Global Project Management

Module 8: Master's Project in Project Management (PMD206)
1. Project Proposal Development
2. Research Methodologies for Project Management
3. Data Collection and Analysis
4. Report Writing and Presentation Skills
5. Peer Review and Feedback Sessions
6. Ethical Considerations in Project Research

The pattern concludes for the Master's Degree Course in Project Management & Development (M.A. PMD).

How Artificial Intelligence (AI) Can Be Applied in This Course:

1. **Predictive Analytics in Project Planning:**
   - AI algorithms can analyze historical project data to predict potential risks, resource needs, and project timelines, improving the accuracy of project planning.

2. **AI-Enhanced Decision Support Systems:**
   - AI can assist project managers in making informed decisions by providing real-time insights based on data analysis, helping optimize project outcomes.

3. **Natural Language Processing for Communication:**
   - AI-driven language processing tools can enhance communication within project teams, aiding in effective collaboration and reducing the chances of miscommunication.

4. **AI in Risk Management:**

   - AI can analyze a vast array of factors to identify potential risks and suggest mitigation strategies, contributing to more robust risk management in projects.

5. **Automation in Routine Project Tasks:**

   - AI technologies can automate routine and repetitive tasks, allowing project teams to focus on higher-value activities and increasing overall project efficiency.

6. **Data-Driven Quality Management:**

   - AI can analyze data related to project quality, identifying patterns and areas for improvement, leading to enhanced quality management practices.

7. **AI-Enhanced Financial Planning:**

   - AI algorithms can analyze project financial data, helping project managers in budgeting, cost estimation, and financial reporting for more accurate financial planning.

8. **Cross-Cultural AI for Global Project Teams:**

   - AI tools can assist in understanding cultural nuances within global project teams, promoting effective cross-cultural communication and collaboration.

Applying AI in Project Management & Development can significantly enhance the efficiency, accuracy, and success of projects in a dynamic and evolving environment.