

Microsoft ADC-East & Microsoft Leap as a Service

Faculty Upskilling Pathway

Classroom Schedule

Week	Day	Date	Topic	Mode
1	Mon	11-Mar	Welcome and Class Introductions	In-Person
			Complexity analysis	
	Tue	12-Mar	Kickoff Ceremony	
			Introduction to Project	
	Wed	13-Mar	Introduction to Git	
			Application of Git in the Industry	
			AI Powered Innovation	
	Thur	14-Mar	Working with Large Code Base	
			DevOps: Agile Development	
			CI/CD	
	Fri	15-Mar	MARI	
			DevOps & CI/CD Group Work	
Garage Visit				
2	Mon	18-Mar	GitHub Classroom	Online
	Wed	20-Mar	Data Structures: Hashing	
			Application of Complexity Analysis	
	Fri	22-Mar	OOP Overview: how to design an OOP solution from a business case	
			Debugging	
3	Mon	25-Mar	Data Structures: Hashing	Online
			Practice on using GitHub Classroom	
	Wed	27-Mar	Application of Hashing	
			Educator Tool: Azure Education Hub	
			Educator Tool: Code Spaces (AI tool)	
	Fri	29-Mar	Public Holiday - No Meeting	
4		1-Apr	No class meeting to allow for faculty to sit for Certification Exam 1	
5	Mon	8-Apr	Data Structures: Recursion & Trees	Online
	Wed	10-Apr	Public Holiday - No Meeting	
	Fri	12-Apr	Object Oriented Programming (Classes & Class hierarchy)	
6	Mon	15-Apr	Educator Tool: Enhancing Teaching and Learning with MS Copilot	Online
			Educator Tool: AI in Education	
			Equip & Support Learners with AI tools	
	Wed	17-Apr	Recursion	
			Application of Trees in Real World	
	Fri	19-Apr	Object Oriented Programming (interfaces)	
Note: The In-Person sessions are from 9am to 5pm & the Online sessions are from 9am to 12 noon.				

Faculty Upskilling Pathway: Classroom Schedule (continued)

Week	Day	Date	Topic	Mode
7	Mon	22-Apr	Recommended Software development tools to increase developer productivity	In-Person
			Introduction of Coaches (Engineers & TPMS)	
			API: What they are and how to build industry standard APIs	
			Junior Engineer fireside chat - Challenges they faced when joining the work force and recommendations they have for the lecturers to make the transition easier	
	Tue	23-Apr	Gamification for Learning & Development	
			Software Testing - Automated Testing	
			Scrum session & Group Work	
	Wed	24-Apr	Gamification for Learning & Development	
			Software Testing - Unit testing & Core unit testing techniques	
			Scrum session & Group Work	
	Thur	25-Apr	Nurturing Employability Using Structured Mentorship for Tech Students	
			System Design Pattern - clean architecture	
			Scrum session & Group Work	
8	Fri	26-Apr	Educator Tool: AI Boot Camp for Educators	Online
			Garage Workshop on Ideation Session	
8	Mon	29-Apr	Data Structures: Graphs	Online
	Wed	1-May	Public Holiday - No Meeting	
	Fri	3-May	Modern System Design Pattern: Server Client & MVC	
9	Mon	6-May	Data Structures: Graphs	Online
			GitHub Classroom Practice	
	Wed	8-May	Algorithm: Breadth First Search	
	Fri	10-May	Modern System Design Pattern: Microservices	
10		13-May	No class meeting to allow for faculty to sit for Certification Exam 1	
11	Mon	20-May	Algorithm: Breadth First Search	Online
	Wed	22-May	Application of BFS in Real World	
	Fri	24-May	Modern System Design Pattern: Event Driven Architecture	
12	Mon	27-May	Irene: Pitching/Story/Presenting telling techniques	In-Person
			Scrum session & Group Work	
			Guest Speaker MS Recruiter	
	Tue	28-May	Educator Tool: MS Learn Educator Program	
			Scrum session & Group Work	
			Accessibility	
	Wed	29-May	Scrum session & Group Work	
			Project Dry Run	
	Thur	30-May	Scrum session & Group Work	
			Accessibility Session	
	Fri	31-May	Project Presentations to the Judges	
	Wed	5-June	Graduation Ceremony	

Note: The In-Person sessions are from 9am to 5pm & the Online sessions are from 9am to 12 noon.