Details:

- Team-size: 2 people per-team

Day	Content	Deliverables	Time	Activity Format
0	Program Orientation (Program Outline and Objectives)	-		
	Project Briefing - **CV Ballot Paper** - **Multi-class Emotion Detection** - **ISEAR.CSV** - **Car Ads**	Choice of project		
1.	Requirement Gathering Session	Report:- doc/Requirements.md	Day 1	Flipped
	Git, Github - Feature branch workflow - Git and Jira Integration - Eg: Project Structure - Environment Reproducibility: venv, pip Project Structure	Repo with Skeletal Structure and environment - Readme.md	Day 1	Flipped
2.	"Agile For ML projects": User stories, Scrum, Kanban, Timelines	doc/analysis.md	Day2	Presentation
	Project Analysis: - Problem and solution Formulation - Performance Metrics - Baseline model choice - Milestones and timeline	doc/analysis.md	Day2	Flipped
3.	Numpy, Pandas, Matplotlib Car ads (EDA Doc) - Data Visualisation - Data handling, Data Cleaning - Feature engineering	notebook/*.Ipynb	Day 4	Flipped (feedback)
4.	Modeling - Algorithm Choice - Evaluation Setup - Experiment Tracking - Neptune.ai/ML flow/DVC - Pipeline - Model Reproducibility Python Code-Quality and Standardisation	model/* model/*	Day 6 (Baseline); Day 8	Flipped

	- Style-guide, - Documentation - Linter			
	References: Organizing machine learning projects: project management guidelines and resources listed at the bottom there. A Recipe for Training Neural Networks by Karpathy Machine Learning Yearning: Official Link | Pdf link(say no to piracy) Structuring Machine Learning Projects: Coursera | Youtube channel			

5	Remote server access/training:
	- Training
	  - AWS : EC2, AMI, S3, EBS
	  - General: SSH, tunneling, Tmux, Logs
	- Server: <optional>
		Local server / cloud academy / qwiklabs/ pluralsight	-	

6	+ Progress Reporting	Google suite presentation slides Numbers in sheets Rest docs	Day 6	
7	Web Framework (Flask) Overview REST Pymongo	api/*.py	Day 7	flipped
	Reproducibility and Deployment - Reproducibility when required - Deployment - Docker - Instructions	Requirements.txt / environment.yml / Dockerfile README.md	Day 7	
8.	Reporting		Day 8	
9.	BREAK	BREAK		
10.	Second project Reporting	Primary - Notebooks in github Secondary - Rest of the above	Day 10	