## MANNAR THIRUMALAI NAICKER COLLEGE (AUTONOMOUS)



## **CERTIFICATE COURSE**

## FOR THOSE WHO JOINED IN 2024-2025 AND AFTER

Course Na	me Advance	ed AI						
Course Co	ode 24PMS0	ISCP11			L	P	C	
Core	Certifica	ificate Course			1	-	1	
NATURE (	OF COURSE:	<b>EMPLOYBILITY</b>	SKILL ORIENTED	ENTREPRENURSHIP		)		
<ol> <li>To d</li> <li>To se</li> <li>To e</li> <li>To d</li> </ol>	elect data collect valuate algorith esign a product	expertise and build a section methods and assess an applicability and trainion pipeline for seamles impacts using key perf	s quality. n models. s integration.					
Unit: I	Identify the problem, build	I Problem Definition dentify the problem, Classify the problem, Identify the areas of expertise needed to, solve the problem, build a security plan, ensure that AI is used appropriately, choose transparency and validation activities.						
Unit: II	Choose the waresource requ	ca collection, Processing and Engineering soose the way to collect data, assess data quality, ensure that data are representative, identificance requirements, convert data into suitable formats, select features for the AI mode gage in feature engineering, identify training and test data sets, document data decisions.						
Unit: III	AI algorithms and models  Consider Applicability of specific algorithms, Train a model using the selected algorithm select specific model after experimentation, avoiding over engineering, tell data stories evaluate model performance, look for potential sources of bias in the algorithm, evaluate model sensitivity, confirm adherence to regulatory requirements, if any, obtain stakeholde approval.							
Unit: IV	Application integration and deployment  Train customers on how to use product and what to expect from it, plan to address potential challenges of models in production, design a production pipeline, including application integration, support the AI solution.							
Unit: V	Maintaining Engage in o	and Monitoring A	I in Production ness impact, measure users, consider improv	-				