Evaluation Criteria for T5's Capstone Projects			
Criterion		**Description**	**Weight**
Problem Solving Skills	**Originality of the Idea**	The originality of the group's idea in solving Zeham problems, has anyone else addressed this specific Zeham issue? If Yes, Observe available similar Zeham projects.	5
	Problem Formulation	Analyze the Zeham problem & find information relevant to the Zeham issue being addressed. The Zeham problem is well analyzed and formulated.	5
	Project objectives	The project is technically feasible and practical in Zeham scenarios. Use various approaches of self-learning.	5
Engineering Skills		Articulate and relate the engineering issues with the Zeham problem. Identify and define the quality requirements for the Zeham solution. Identify list of project objectives and scope. Use various approaches of self-learning. Select and justify a solution to the problem.	10
Data Analysis Skills	**Data Collection & Preprocessing**	It is the process where data are prepared & collected. From where you collected your data, whether its synthetic or real. Analyze and investigate Zeham data sets.	15
	Data Analysis	Feature Engineering & Creating Features Employing data visualization methods. Summarizing data features and detecting patterns. Uncovering relationships through visual and statistical techniques.	
Implementation Skills	**Model**	Select and justify a solution to the problem Designing an AI model that effectively learns from the collected Zeham data. Making intelligent decisions and predictions.	30
	Train & validate	Training AI model to enhance its capability over time Collecting feedback and testing results Implementing improvements to the software solution based on feedback and testing results	
	Collect Results	Measuring performance and results (Confusion Matrix: F1 Score, Precision and Recall, related matrices)	
	Deployment & Demo	Implementing the trained AI model into a production environment for usage	
Teamwork		Participating in defining the roles and responsibilities of the team members. Fulfill duties of team roles. Participating in managing the team's time and resources effectively.	10
Presentation		Prepare and deliver high quality oral presentation on the Zeham project. Listen and respond to questions	10
Report		The template, details, and quality of the report. Write a technical report (technical terminology, standard data representation). Use correct language (grammar, spelling, expressions, vocabulary)	10

Timeline T5's Capstone Projects		
Week	**Stage**	**Completion Time**
Week 5	Dividing the trainees into groups.	18/08/2024
Week 6	Submitting project ideas.	29/08/2024
Week 7	Evaluating project ideas.	01/09/2024 - 02/09/2024
Week 7	Starting to work on the projects.	03/09/2024
Week 7 - Week 11	Monitoring the projects.	04/09/2024 - 02/10/2024
Week 12	Delivering and presenting the projects.	06/10/2024 - 07/10/2024
Week 12	Final exam.	06/10/2024 - 07/10/2024