PROJECT DESIGN PHASE-II

SOLUTION REQUIREMENTS

DATE	20 September 2022
TEAM ID	PNT2022TMID39097
PROJECT NAME	Project – Intelligent Vehicle Damage Assessment and Cost Estimator for Insurance Companies
MAXIMUM MARKS	4 marks

FUNCTIONAL REQUIREMENTS

FR NO	FUNCTIONAL REQUIREMENTS (EPIC)	SUB REQUIREMENTS (SUBTASK/STORY)
FR 1	User Registration	✓ Registration through link ✓ Registration through form
FR 2	User Confirmation	✓ confirmation through message ✓ confirmation through mail
FR 3	User Interface	✓ user login form ✓ user Admin form
FR 4	Detecting Damage	✓ Detecting the location where the damages occurs
FR 5	Database	✓ Stored in cloud for seamless connectivity ✓ to store, retrieve, and run queries on Data

		✓ A DBMS serves as an interface Between an end-user and a database, Allowing users to create, read, update, And delete data in the database.
FR 6	Cloud	✓cloud collects the data from the input and store the data to provide output ✓Cloud computing allows mobile access to corporate data via smartphones and devices, which, considering over
FR 7	VGG16 model	✓ It is used for object detection and classification algorithm which is able to classify 1000 images of 1000 different categories with 92.7% accuracy. ✓ It is one of the popular algorithms for image classification and is easy to use with transfer learning.
FR 8	DL Algorithm	✓ It uses artificial neural networks to perform sophisticated computations on large amounts of data.
FR 9	Preprocessing	✓ an improvement of the image data that suppresses unwilling distortions or enhances some image features important for further processing

NON FUNCTIONAL REQUIREMENTS:

NFR NO	NON FUNCTIONAL REQUIREMENTS	DESCRIPTION
NFR 1	Usability	✓ About this model, they easily upload the image via online form and easy to process the claim ✓ make it settlement as soon as possible
NFR 2	Security	✓ they never share the customer details to others ✓ They make the information confidential about the customer.

		✓ The customer should not Worry about their safety through the link
NFR 3	Reliability	✓ Easy to use ✓ Trustworthy ✓ High accuracy
NFR 4	Performance	✓ The customer know about the process which make them to feel relax about delay claim ✓ They provide the customer satisfaction through their performance
NFR 5	Availability	✓ know the current process ✓ know about queries if they need ✓ Apply the claim as their comfort platform
NFR 6	Scalability	✓ company know about the customer status ✓ customer should not worry about claim ✓ make the quick settlement