ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

TITLE:ALGORITHM TO AUTOMATICALLY GENERATE CAPTIONS FOR IMAGES BASED ON THEIR CONTENT.

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PROBLEM STATEMENT:

- **Design an algorithm to automatically generate captions for images based on their content.**

ALOGRITHM:

*Preprocessing and Feature Extraction

*Model and Architecture .
*Training
*Beam search for caption generating.

DATASETS:

MS COCO,Flickr8k/Flickr30k, Visual Genome

EXPECTED OUTPUT:

Input (eg:Bicycle image.)
Output (color of bicycle)
Perfomance Metrics (BLEU Score,METEOR / CIDER)