UDYAM'23

ANNUAL TECHNICAL FEST OF ELECTRONICS ENGINEERING SOCIETY

ROUND-2

MOSAIC

Develop a deep learning model for image inpainting that can reliably and seamlessly reconstruct missing regions in images.

The model should be trained on a dataset of high-resolution images that have missing regions of various sizes and shapes that have been artificially generated. The model's aim is to accurately reconstruct the missing regions while preserving the image's fine details and natural characteristics.

The model's performance will be evaluated using the L1 metric.

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The model's input images will be 256x256x3, with the missing regions artificially created with varying sizes and shapes to represent various types of occlusions or image defects. In addition, a mask representing the missing region will be provided. The reconstructed images should be the output.

Please keep in mind that the models will be tested on images with missing regions of varying sizes and shapes. More points will be awarded for testing images with larger missing regions.

Submission Deadline - 4th April,2023 EOD
Submission Link
Sample Testing Dataset

Guidelines:

- The machine learning model can be trained on any dataset available.
- Participants are allowed to use any open-source architecture.
- Any tool can be used for data preprocessing
- Participants are requested to document their progress and code, because a short abstract containing approach, description, code and model file will be asked for final evaluation from each team.

- In case of any malpractice or cheating, that team would be disqualified.(Note: code will be reviewed to avoid malpractice)

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