আন্তর্জাতিক ইসলামী বিশ্ববিদ্যালয় চট্টগ্রাম
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Paper Review

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Paper Name: Symmetry Driven hyper feature GCN for skeleton based gait recognition.

Challenge: Due to large intra class wardrobe changes and posing differences in various cameras, remains difficult.

Method: The method applied here is Symmetry Driven Hyper Feature Graph Convolutional Network(SDHF-GCN). This model involves three dynamic patterns: Natural connection, Temporal correction and symmetric interaction.

Dataset: CASIA-B[1]

Performance:[of the proposed method] The CASIA-B dataset has a 98.00% accuracy rate.

Focus: The research focuses primarily on overcoming the difficulties in gait detection, including diverse walking situations, apparel, and poses.

Methodology: Hyper feature extraction, Graph convolutional network(GCN) modelling.

Advantage: The ability to recognize skeletal basis gait has several benefits. It delivers 3D human position recognition, robust feature extraction, and the ability to capture symmetric information.

Limitation: Skeletal basis gait has a number of drawbacks, including a reliance on precise skeleton tracking, restricted evaluation of alternative datasets like OUMVLP-Pose, and a lack of adequate description of the symmetrical counters calculation.

[1]- CASIA-B dataset: Aeriform in-action: A novel dataset for human action recognition in aerial videos