**Velagapudi Ramakrishna Siddhartha Engineering College Department of Information Technology**

Class: 3rdYear Section: A Year: 2020-2021

**Human Action Recognition in Videos**

**Motivation:** Understanding the activities of human from videos is demanding task in Computer Vision. Identifying the actions being accomplished by the human in the video sequence automatically and tagging their actions is the prime functionality of intelligent video systems. The goal of activity recognition is to identify the actions and objectives of one or more objects from a series of examination on the action of object and their environmental condition.

**Problem Description:**

* Difficult challenge for current approaches to recognize events in videos.
* Continuous background subtraction in dynamic and crowded videos is an over-head task.
* Difficult to segment actor from partially occluded frames.
* Video-based human action recognition is affected by several challenges due to view changes, occlusion, variation in execution rate, anthropometry, camera motion, and background clutter.

**Social Benefits:**

* surveillance systems
* patient monitoring systems

**Innovation and Uniqueness:** It is built using many video data sets like Hollywood data set, KTH data set, JHMDB data set to recognize different actions in the videos.

**Feasible Solution:**

* Human action recognition aims to recognize the actions and goals of one or more agents from a series of observations on the agents' actions.
* Human action recognition is an important area of computer vision research and applications.
* The goal of the action recognition is an automated analysis or interpretation of ongoing events and their context from video data.
* Its applications include surveillance systems, patient monitoring systems, and a variety of systems that involve interactions between persons and electronic devices such as human-computer interfaces.

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