



# GUJARAT TECHNOLOGICAL UNIVERSITY

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Date: 06-02-2017

## CIRCULAR

Interested faculty members and students may register for the following webinar which is going to be held on Tue, Feb 7, 2017 3:30 PM - 4:30 PM IST.

**Virtual Academy: Block Based Motion Estimation Algorithms for Video Coding**

**Tue, Feb 7, 2017 3:30 PM - 4:30 PM IST**

**Registration URL: <https://attendee.gotowebinar.com/register/1101596681973042435>**

### **Description:**

Block matching algorithm (BMA) for motion estimation (ME) is the heart to many motion-compensated video-coding techniques/standards, such as ISO MPEG-1/2/4 and ITU-T H.261/262/263/264/265, to reduce the temporal redundancy between different frames. During the last three decades, hundreds of fast block matching algorithms have been proposed. The shape and size of search patterns in motion estimation will influence more on the searching speed and quality of performance. This webinar provides an overview of the famous block matching algorithms and compares their computational complexity and motion prediction quality.

### **Presenter:**

Dr. A.V. Paramkusam  
HOD, ECE Department,  
MLR Institute of Technology, Hyderabad

Sd/-  
Registrar (I/c)