

Vasavi College of Engineering

Ibrahimbagh-31

Department Of Computer Science & Engineering

A Report of Guest Lecture on “**Image Processing and Defense Applications**” conducted on July 8th, 2013

(Conducted Under TEQIP-II)

A Guest Lecture on “**Image Processing and Defense Applications**” was delivered by Dr. Mayank Mishra , Scientist ,DRDL for the student audiences of M.Tech (CSE) & BE 4/4 CSE on July 8th, 2013.

The objective of the session was to enlighten students with concepts of Image processing, its defense applications and related areas.

The session started off with an introduction to the “**IMAGE PROCESSING**”. Where the speaker stressed on the following areas:

- Steps of Image processing.
- Detailed explanation of every process using an example.
- The applications of Image Processing.

The discussion moved on to the applications of image processing in real time process. Brief explanation of the following topics were delivered

- Image recognition using radar image and has showed a radar image, which can be used to detect the source where appropriate object is present in the image.
- Object tracking to hit with missile or fire the object.

- Pattern matching application has been demonstrated.

Speaker has made the session interesting by sharing an image and a video for each and every application in regard to image processing for path finding and obstacle detection on the road ways. He also encouraged the students to propose an algorithm to detect the object in the given image.

The speaker concluded session by conveying the students to join and work in the area of image processing and shared his contact details. Students felt the session to be highly informative and as speaker was too patients enough in attending the queries of the students.

