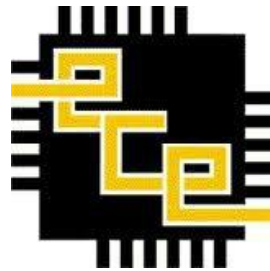# DEPARTMENT OF

ELECTRONICS AND COMMUNICATION

REPORT ON EXPERT LECTURE

(29.03.2017)

On 29/03/17 ECE dept. welcomed their guest Dr. Ajay Khunteta, an Associate Professor from RTU. Dr. Ajay has completed his M.Tech from IITD and PhD from IIR. He took an expert lecture on Digital Image Processing Fundamentals wherein he highlighted the emerging use of photo editing apps amongst the youngsters.

Dr. Ajay Khunteta delivering his lecture

He focused on:

- the image and digital images,
- the types of digital imaging,
- binary image,
- RGB image,
- conversions of these images,
- thresholding,
- pixel neighborhood,
- loading and displaying images,

- matrices in MATLAB,
- basic operations on matrices,
- visualizations of graphs,
- General commands,
- data types and their conversions,
- image formation,
- image import and export,
- images and matrices,
- histograms,
- bit planes,
- spatial resolution,
- interpolation and extrapolation
- point processing.

The audience

At the end of his valuable session, the Ashoka Hall bursted with applause. About 100 students of final year and III year who had attended the guest lecture were very keen to learn some new terms and have a new outlook at the subject taught. The lecture proved out to be very fruitful.