



# INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)  
Dundigal, Hyderabad - 500 043

## ELECTRONICS AND COMMUNICATION ENGINEERING

### ATTAINMENT OF COURSE OUTCOME- ACTION TAKEN REPORT

Name of the Faculty:	Dr. B Surekha Reddy	Department:	ECE
Regulation:	IARE-R16	Branch:	2017-2021
Course Name:	Digital Image Processing	Course Code:	AEC508
Semester:	VII	Target Value:	60% (1.8)

#### Attainment of Cos:

Course Outcome		Direct Attainment	Indirect Attainment	Overall Attainment	Observations
CO1	Interpret the principles and terminology of digital image processing for describing the features of image.	3	2.4	2.9	Attainment target reached
CO2	Make use of image transform techniques for analyzing images in transformation domain for image pre-processing.	1.6	2.4	1.8	Attainment target reached
CO3	Construct image intensity transformation and filtering techniques for image enhancement in the spatial and frequency domain.	0.9	2.4	1.2	Attainment target is not yet reached
CO4	Analyze the image restoration in the spatial and frequency domains to deal with noise models for removing degradation from given image.	0.9	2.4	1.2	Attainment target is not yet reached
CO5	Apply region-based morphological operations and edge-based image segmentation techniques for detection of objects in images to remove the imperfections in the structure of the image.	1.6	2.4	1.8	Attainment target reached
CO6	Compare the lossy and lossless compression models for achieving image compression.	3	2.4	2.9	Attainment target reached

Action Taken Report: (To be filled by the concerned faculty / course coordinator)

CO3: Conducting Guest lectures on image intensity transformation and filtering techniques for image enhancement.

CO4: Additional inputs will be provided on the image restoration in the spatial and frequency domains for better understanding

*B. Surekha Reddy*  
Course Coordinator

*S. D. Aditya*  
Mentor

*[Signature]*  
MOD  
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