



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	Batch:	2016-2020
Course Name:	Digital Image Processing	Course Code:	AEC508
Semester:	VII Semester	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.	2.70	2.40	2.6	Attained
CO2	Make use of image transform techniques for analyzing images in transformation domain for image pre-processing.	1.70	2.30	1.8	Attained
CO3	Construct image intensity transformation and filtering techniques for image enhancement in the spatial and frequency domain	1.30	2.40	1.5	Not attained
CO4	Analyze the image restoration in the spatial and frequency domains to deal with noise models for removing degradation from given image.	0.90	2.30	1.2	Not attained
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.	2.30	2.40	2.3	Attained
CO6	Compare the lossy and lossless compression models for achieving image compression.	3.00	0.00	2.4	Attained

Action Taken Report: (To be filled by the concerned faculty / course coordinator)
In this Course, the CO3 and CO4, requires additional attention and it is improved by

1. Conducting Guest lectures on image intensity transformation and filtering techniques for image enhancement.
2. Additional inputs will be provided on the image restoration in the spatial and frequency domains for better understanding.
3. Giving assignments and conducting tutorials on image intensity transformation and image restoration in the spatial and frequency domains for more practice.


Course Coordinator


Mentor


HOD
Head of the Department
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