



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal, Hyderabad -500 043

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

ATTAINMENT OF COURSE OUTCOMES (COs) – ACTION PLAN

Name of the Faculty	Mr. P. Anjaiah	Department	CSE
Regulations	R16	Batch	2017 -2021
Course Name	Image processing	Course Code:	ACS511
Semester	V	Target Value	70% (2.1 on 3 Scale)

Attainment of COs:

Course Outcomes		Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Interpret the principles and terminology of digital image processing for describing the features of image	1.60	2.50	1.8	Target not attained
CO2	Make use of image transform techniques for analyzing images in transformation domain for image pre-processing.	1.60	2.50	1.8	Target not attained
CO3	Construct image intensity transformation and filtering techniques for image enhancement in the spatial and frequency domain.	0.90	2.60	1.2	Target not attained
CO4	Analyze the image restoration in the spatial and frequency domains to deal with noise models for removing degradation from given image.	1.60	2.60	1.8	Target 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	2.60	2.4	Target attained
CO6	Compare the lossy and lossless compression models for achieving image compression.	2.30	2.60	2.4	Target attained

Action taken report:

CO1, CO2: Arrange video-based seminars on Digital image processing and image transformation techniques for effective management of images.

CO3, CO4: More discussions on image restoration and rotation techniques need to be conducted to make student apply these techniques for removing degradation from the image to get enhanced image.

Course Coordinator

Mentor

Head of the Department
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