INSTITUTE OF AERONAUTICAL ENGINEERING
(Autonomous)
Dundigal, Hyderabad - 500043, Telangana

ELECTRONICS AND COMMUNICATION ENGINEERING

ATTAINMENT OF COURSE OUTCOME - ACTION TAKEN REPORT

Name of the faculty:	**Mr. BALA THIMMAIAH NAKKA**	Department:	**Electronics and Communication Engineering**
Regulation:	**IARE - R20**	Batch:	**2020-2024**
Course Name:	**Digital Image Processing**	Course Code:	**AECC56**
Semester:	**VIII**	Target Value:	**60% (1.8)**

Attainment of COs:

	Course Outcome	Direct Attainment	Indirect Attainment	Overall Attainment	Observation
CO1	Interpret the principles and terminology of digital image processing for describing the features of image.	0.90	2.20	1.2	Not Attained
CO2	Make use of image transform techniques for analyzing images in transformation domain for image pre-processing.	0.90	2.20	1.2	Not Attained
CO3	Construct image intensity transformation and filtering techniques for image enhancement in the spatial and frequency domain	0.90	2.20	1.2	Not Attained
CO4	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	0.90	2.20	1.2	Not Attained
CO5	Analyze the image restoration in the spatial and frequency domains to deal with noise models for removing degradation from given image	0.90	2.20	1.2	Not Attained
CO6	Compare the lossy and lossless compression models for achieving image compression	0.90	2.20	1.2	Not Attained

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

CO1: Tutorial classes will be conduct on key steps in digital image processing are described as image acquisition, enhancement, restoration, representation and description, and recognition.

CO2: Guest lecture will be conduct on mage transform techniques for analyzing images in transformation domain for image pre-processing.

CO3: Guest lecture will be conduct on image intensity transformation and filtering techniques for image enhancement for Intensity transformations and Spatial filtering.

CO4: Guest lecture will be conduct on region-based morphological operations and edge-based image segmentation techniques

CO5:
Tutorial classes will be conduct on image restoration in the spatial and frequency domains to deal with noise models for removing degradation from given image

CO6: Guest lecture will be conduct on Transform coding, run-length encoding, arithmetic coding, LZW, flate/deflate, and Huffman coding

Course Coordinator

Mentor

Head of the Department

Dr. P. MUNASWAMY M.Tech, Ph.D, MISTE
Professor & Head
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