

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
		UNIT - 1				
1	30-3-2015	Fundamentals of IP	1	BB		
3	30-3-2015	Basic Steps of IPS Sampling, Quantization	1	BB		
4	30-3-2015	Relationship b/w pixels	1	BB		
6	31-3-2015	Image Transformati ons, 2D-DFT, DCT	1	BB		
8	1-4-2015	Wavelet Transforms CWT, DWT	1	BB		
		UNIT - 2				
10	3-4-2015	Image Processing Techniques Spatial Domain	2	BB		
12	3-4-2015	Histograms Processing, Fundamentals	2	BB		
14	6-4-2015	Smoothing spatial filter Sharpening spatial filter	2	BB		
16	6-4-2015	Frequency Domain Basis of filtering	2	BB		
18	7-4-2015	Image Smoothing Image Sharpening	2	BB		
19	7-4-2015	Selective filtering	2	BB		
		UNIT - 3				
20	8-4-2015	Image Processing Techniques Segmentation Concepts	3	BB		
22	8-4-2015	Point, Line & Edge Detection	3	BB		
24	10-4-2015	Thresholding Region Based	3	BB		
25	10-4-2015	Segmentation	3	BB		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
		UNIT-IV				
27	13-4-2015	Image Compression Fundamentals	4	BB		
29	13-4-2015	Coding Redundancy, Spatial & Temporal Redundancy	4	BB		
31	13-4-2015	Compression Models: Lossy & Lossless	4	BB		
33	14-4-2015	Huffman Coding	4	BB		
35	14-4-2015	Arithmetic Coding	4	BB		
36	15-4-2015	LZW Coding	4	BB		
37	15-4-2015	Run Length Coding	4	BB		
38	17-4-2015	Bit Plane Coding	4	BB		
39	20-4-2015	Transform Coding	4	BB		
40	20-4-2015	Predictive Coding	4	BB		
41	21-4-2015	Wavelet Coding	4	BB		
42	21-4-2015	JPEG Standards	4	BB		
		UNIT-5				
43	22-4-2015	Basic Concepts of Video Processing	5	BB		
44	24-4-2015	Analog Video, Digital Video	5	BB		
45	27-4-2015	Time Varying Image Formation Models	5	BB		
46	28-4-2015	3-D Motion Models	5	BB		
47	29-4-2015	Geometric Image Formation	5	BB		
48	29-4-2015	Photometric Image Formation	5	BB		
49	1-5-2015	Sampling of Video Signals	5	BB		
50	1-5-2015	Filtering Operations	5	BB		

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
		UNIT-6				
51	19-5-2015	2-D Motion Estimation	6	BB		
53	22-5-2015	Optical Flow, General Methodologies	6	BB		
55	26-5-2015	Pixel Based Motion Estimation	6	BB		
56	29-5-2015	Block Matching Algorithm	6	BB		
57	12-6-2015	Mesh Based Motion Estimation	6	BB		
58	16-6-2015	Global Motion Estimation	6	BB		
59	19-6-2015	Region Based Motion Estimation	6	BB		
60	23-6-2015	Multi-Resolution Motion Estimation	6	BB		
61	26-6-2015	Waveform Based Coding	6	BB		
62	30-6-2015	Block Based Transform Coding	6	BB		
63	3-7-2015	Predictive Coding	6	BB		
65	10-7-2015	Application of motion estimation of video coding	6	BB		