

LESSON PLAN

Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
01	27/6/16	<u>Introduction to</u>	1	CR		
		<u>Image Processing</u>		U		
02	28/6/16	Digital Image		9		
		fundamentals,		9		
03	29/6/16	Digital Image		9		
		through Scanner,		9		
04	29/6/16	Digital Camera		9		
		Concept of gray		9		
05	30/6/16	level, Gray level		9		
06	4/7/16	to binary Image		9		
07	5/7/16	Conversion, Sampling		9		
		ing and quantization,				
08	7/7/16	Relation-		LCD Proj		
09	8/7/16	ship between		U		
10	12/7/16	principle, Imaging		9		
11	12/7/16	geometry		9		
12	13/7/16	<u>Image transform</u>	11	CR		
13	14/7/16	2D - FFT and		U		
14	14/7/16	its properties,		9		
15	15/7/16	Walsh transform		9		

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16	16/8/16	Hadamard transform		CR		
17	17/8/16					
18	19/8/16	Discrete cosine		Y		
19	22-08-16	Hensford, Haar,		Y		
20	29/08/16	Slant, Hatellings,		Y		
21	30/08/16	Discrete wavelet		Y		
22	31/08/16	transform.				
23	01/09/16					
24	01/09/16	Image Enhancement II		CR		
25	02/9/16	Spatial domain:		Y		
26	05/9/16	Image quality		Y		
27	06/9/16	and need for		Y		
28	07/9/16	Image Enhancement		Y		
29	08/9/16	contrast, point		By		
30	09-09/16	processing, Histogram		Y		
31	9/9/16	image processing,		Y		
32	12/9/16	Spatial filtering		CR		
33	13/9/16					
34	14/9/16	Frequency Domain:		Y		
35	15/9/16					
36	15/9/16	Image Smoothing		Y		
37	16/9/16					
38	19/9/16	Image Sharpening		Y		
39	20/09/16	Image morphic		Y		
		filtering.				

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40	22/9/16	Image Restoration	12	CL		
41	24/9/16	Image restoration		4		
42	29/9/16	Degradation		4		
43	29/9/16	model, Algebraic		4		
44	30/9/16	approach to rest.		4		
45	03/10/16	ration, Inverse		Projector		
		filtering, least		4		
46	04/10/16	mean square		4		
		filters, constrain		4		
		red least square		4		
		Restoration				
47	05/10/16	colour Image, Proce-		LCD Projector		
		ssing: Introdu-		4		
48	06/10/16	ction - colour func-		4		
49	13/10/16	derivatives, colour		4		
50	13/10/16	models, pseudo		4		
		colour image		4		
51	14/10/16	processing, full		4		
		colour image				
		processing				

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Period	Date (Tentative)	Topic	Unit No.	Teaching Methodology	Remarks	Corrective Action Upon Review
52	17/10/16	<u>Image Compression</u>	2	CL		
		Redundancies and		Y		
53	18/10/16	their removal		Y		
54	19/10/16	methods, fidelity		Y		
		Criteria, Image		Y		
55	20/10/16	compression models		Y		
		Source encoders		Y		
56	21/10/16	and decoder -		Y		
		Cost free comp		Y		
57	21/10/16	relation, lossy		Y		
		Compression				
58	24/10/16	<u>Image Segmentation</u>		CL		
		Introduction -		Y		
59	25/10/16	classification of		Y		
		Image Segments				
60	26/10/16	from algorithms,		Y		
61	27/10/16	Detection of		Y		
		discontinuities		By hand		
62	27/10/16	Edge linking and		Y		
63	28/10/16	boundary detection		Y		

[illegible]