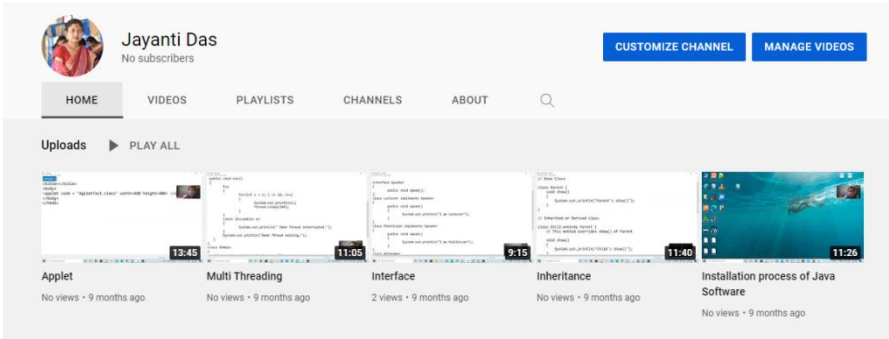
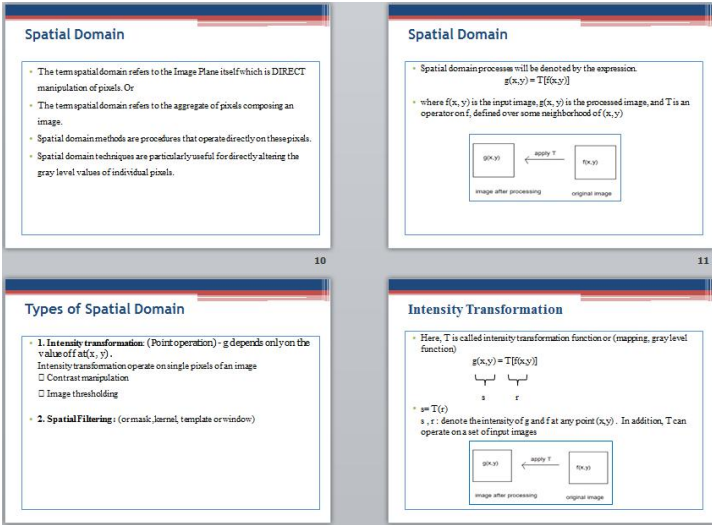


Innovations by the IT Department Faculty members in Teaching and Learning:

SL. No	Pedagogical Methods	Activities
<p>1.</p> <p>Ms. Jayanti Das Assistant Professor</p> <p>E-Learning:</p> <p>Mode : YouTube VIDEO</p> <p>Faculty:</p> <p>At present, lectures are available in</p> <p>Object Oriented Programming</p>		<p>Study material is made available in online mode through website to the students prior to teaching.</p>  <p>https://www.youtube.com/channel/UCo4mnYRprwTbBD7K7RxHLQ/featured</p>
	<p>Image Processing</p>	<p>Study material is made available in online mode through website to the students prior to teaching.</p>  <p>The slides contain the following text:</p> <ul style="list-style-type: none"> Spatial Domain (Slide 10): <ul style="list-style-type: none"> The term spatial domain refers to the Image Plane itself which is DIRECT manipulation of pixels. Or The term spatial domain refers to the aggregate of pixels composing an image. Spatial domain methods are procedures that operate directly on these pixels. Spatial domain techniques are particularly useful for directly altering the gray level values of individual pixels. Spatial Domain (Slide 11): <ul style="list-style-type: none"> Spatial domain processes will be denoted by the expression $g(x,y) = T[f(x,y)]$ where $f(x,y)$ is the input image, $g(x,y)$ is the processed image, and T is an operator on f, defined over some neighborhood of (x,y). Types of Spatial Domain (Slide 10): <ul style="list-style-type: none"> 1. Intensity transformation: (Point operation) - g depends only on the value of f at (x,y). <ul style="list-style-type: none"> Intensity transformation operate on single pixels of an image Contrast manipulation Image thresholding 2. Spatial Filtering: (ormask, kernel, template or window) Intensity Transformation (Slide 11): <ul style="list-style-type: none"> Here, T is called intensity transformation function or (mapping, gray-level function) $g(x,y) = T[f(x,y)]$ s, r denote the intensity of g and f at any point (x,y). In addition, T can operate on a set of input images

Method : **GOOGLE CLASS ROOM**

Mode: **QUIZ/ASSIGNMENT**

Sem : 6th Sem
Course/Course Code:
Image Processing(PCCCS60 1D)

Section 1 of 2

CA3: PCC-IT601D

Form description

This form is automatically collecting emails for RCC Institute of Information Technology users. [Change settings](#)

Name *

Short answer text

University roll no *

Short answer text

Taking Quiz for continuous assesment .

Posted Assignmentmt

Question Section

Description (optional)

The response for linear spatial filtering is given by the relationship _____ *

- Sum of filter coefficient's product and corresponding image pixel under filter mask
- Difference of filter coefficient's product and corresponding image pixel under filter mask
- Product of filter coefficient's product and corresponding image pixel under filter mask
- None of the mentioned

In neighborhood operations working is being done with the value of image pixel in the neighborhood and the corresponding value of a sub image that has same dimension as neighborhood. The sub image is referred as _____ *

Filter

Posted Study materials.

IT PEC-IT601D
Sec 6

Stream Classwork People Grades

CA2 201 Due May 23, 2021, 10:00 PM

CA1 Exam: PECIT601D: Image Processing Due Apr 30, 2021, 9:30 PM

Theory Notes

- Digital Image Processing book Posted Jul 28, 2021
- Image Segmentation Posted Jul 28, 2021
- Image Restoration Edited Jul 18, 2021
- Unit V: Frequency Domain Part III Edited Jul 18, 2021
- Unit IV: Spatial domain Part II Edited Jul 18, 2021
- Unit IV: Spatial Domain Edited Jun 18, 2021
- UNIT III- Fourier transform, DCT, DST Posted Jun 2, 2021
- Unit III: Mathematical Preliminaries Part II (A... Posted May 22, 2021
- Unit III: Mathematical Preliminaries Part I (N... Posted May 19, 2021
- Unit II: Digital Image Formation Posted May 10, 2021

Students are made to join as members of the Google class room. Study materials, Assignments, Quiz questions are posted in the app.

2.

Ranjan Jana
Assistant Professor

**Formal
Language &
Automata
Theory**

Method : **GOOGLE
CLASS ROOM**

Mode:
**QUIZ/ASSIGNME
NT/Class Notes**

Sem : 4th Sem
Course/Course
Code:

**Formal
Language &
Automata
Theory
(PCC-CS403)**

Posted Study materials.

Automata Theory 2022 (PCC-CS403)
Sec A

Stream Classwork People Grades

Automata Theory 2022 (PCC-CS403)
Sec A

Meet
Generate link

Class code
w7g6kms

Upcoming

Announce something to your class

RANJAN JANA posted a new material: Class Notes (Turing Machine)
May 13

RANJAN JANA posted a new material: Class Notes (PDA)
May 12

Taking Quiz for continuous assesment 1

Automata Theory 2022 (PCC-CS403)
Sec A

Instructions Student work

MCQ Test for CA1
RANJAN JANA · Feb 27
25 points Due Feb 27, 10:55 AM

Link of Google Form
<https://forms.gle/zvm6VWYBeGwz9EX9>

Class comments
Add class comment...

Taking Assignment

Automata Theory 2022 (PCC-CS403)
Sec A

Instructions Student work

Assignment 1: Draw a binary tree for the algebraic expression $[((7-5)x2)\%2]+[6x(9\%3)]$
RANJAN JANA · Feb 10
5 points Due Feb 10, 1:30 PM

Class comments
Add class comment...

3.

Soumyadip Dhar
Computer Organization
PCC-CS-302
Youtube
video
<https://www.youtube.com/channel/UC6s1sa4ip8NZW8BiBzn1i5Q/videos>

The screenshot shows a web browser window displaying the YouTube channel page for 'Computer Organization by Soumyadip Dhar'. The channel has 27 subscribers. The page is set to the 'VIDEOS' tab. A grid of 10 video uploads is visible, each with a thumbnail, title, and view count. The videos are numbered 6 through 20. The thumbnails contain technical diagrams and text related to computer organization topics like memory access, processor, and virtual memory.

Video Title	Views	Time Ago
Computer Organization 6	17 views	7 months ago
Computer Organization 20	19 views	8 months ago
Computer Organization 19	9 views	8 months ago
Computer Organization 18	7 views	8 months ago
Computer Organization 17	5 views	8 months ago
Computer Organization 16	19 views	8 months ago
Computer organization 15	15 views	8 months ago
Computer Organization 14	8 views	8 months ago
Computer organization 13	17 views	8 months ago
Computer organization 12	11 views	8 months ago