



POORNIMA

COLLEGE OF ENGINEERING

Department of Information Technology

INVITATION

Two-day Workshop

“Workshop on Image Processing (WoIP – 2014)”

(March 28th – 29th, 2014)

Greetings,

It gives us an immense pleasure to inform you that Department of Information Technology, Poornima College of Engineering, Jaipur is going to organize a Two-day Workshop titled as **“Workshop on Image Processing (WoIP – 2014)”** on 28th – 29th March, 2014 , 9.00 AM onwards at CG-05 Seminar Hall, PCE (Inaugural Ceremony on 28th March 2014) and MT-09 Online Lab (For other Sessions). You are hereby cordially invited to grace the workshop with your esteemed presence.

POORNIMA
COLLEGE OF ENGINEERING
DEPARTMENT OF INFORMATION TECHNOLOGY
(Approved by AICTE)

**“Workshop on Image Processing
(WoIP – 2014)”**
(March 28th – 29th, 2014)

ISI-6, RIICO Institutional Area Sitapura, Jaipur-302 022 (Raj.)

SAVE WATER ! SAVE GREENERY ! SAVE EARTH !

The objective of this workshop is to provide an insight into MATLAB® and its application in the area of Image Processing. First day of the workshop shall host the introductory session of the MATLAB® including its basic functions and features. In The second day of the workshop, details regarding the Image Processing toolbox and functionalities shall be imparted to the participants.

This course will offer a unique opportunity to the students by providing a practical exposure to the MATLAB® Tool and its application to field of Image Processing. Technical sessions of the Workshop will be delivered by eminent and established field professional from DKOP Labs, Noida.

We request you to kindly circulate this notice to the concerned students of your department. Further, we request you to kindly attend '**WoIP – 2014**' where you are welcome to interact with other delegates and speakers and make this program successful.

With best regards,

(Shirish Nagar)

Head of the Department

Information Technology

Poornima College of Engineering, Sitapura, Jaipur



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COLLEGE OF ENGINEERING

Department of Information Technology

Two day Workshop
“WoIP – Workshop on Image Processing”
March 28th - 29th, 2014

Faculty Coordinator: - Mr. Dinesh Chand Gupta
Q-Sheet : Day – 1 (28th March 2014)

S. No.	PROGRAMME	Duration	Time
1	Reporting of the students and faculty members	50 min	9:00 to 9.30 am
2	Arrival of Dignitaries & Seating		9:30 to 9.50 am
<u>Inaugural Session</u>			
3	Welcome & Introduction of Guest by Anchors	10 min	9:50 to 10.00 am
4	Garlanding and Lamp lighting of Maa Saraswati , Saraswati Vandana	05 min	10:00 to 10:05 am
5	<u>Felicitations of Dignitaries:</u> 1. Guest of the day, Mr. Ajay Sharma (DKOP Labs) by Dr. R.P. Rajoria, (Campus Director, PCE) 2. Guest of the day, Mr. Arpit Agarwal (DKOP Labs) by Dr. Om Prakash Sharma, (Principal, PCE)	10 min	10:05 to 10:15 am
6	Welcome address & Introduction of Seminar by Dr. Om Prakash Sharma	05 min	10:15 to 10:20 am
7	Words of blessing by Dr. (Prof.) R.P. Rajoria	05 min	10:20 to 10:25 am
8	Group Photograph	05 min	10.25 to 10.30 am
9	Poornima Gaan & Venue Shifting to MT-09	10 min	10:30 to 10.40 am
Workshop Session – I a) : MATLAB Basics Timing: 10:40 am to 11.30 am Venue: MT-09			
9	Introduction to MATLAB	50 min	10:40 to 11:30 am
Lunch Break (30 min : 11:30 am to 12:00 pm)			
Workshop Session - I b) : MATLAB Basics Continued: Timing: 12:00 am to 2.00 pm Venue: MT-09			
10	Content: 1. Algorithms: Script, Input-Output, Scripting, File IO, User defined functions 2. Statements: Relational Expressions, If, If-Else, Nested If-Else, Switch	120 min	12.00 to 2:00 pm
Break : 10 minutes			
11	Content: 1. Loops: For, Nested For, Vectors, While loop 2. MATLAB Plots: Plot Functions, Animations, 3-D Plots, Customizing Plots, Graphic Properties, Plot Applications	100 min	2:10 to 3:50 pm
12	Queries + Session-I Closing	10 min	3:50 to 4:00 pm

EFFECTIVE WORKSHOP HOURS: (50+120+100) = 270 MINUTES = 4 HOURS 30 MINUTES.



Department of Information Technology

Two day Workshop
“WoIP – Workshop on Image Processing”
March 28th - 29th, 2014

Faculty Coordinator: - Mr. Dinesh Chand Gupta

Q-Sheet : Day – 2 (29th March 2014)

S. No.	PROGRAMME	Duration	Time
Workshop Session – II a) : Image Processing Module Timing: 8:30 am to 11.00 pm Venue: MT-09			
1	Content: 1. Recap of Day -1 Contents 2. Familiarization with Image Processing: Image Format, Reading and Writing Image 3. Image Processing Routines: Histogram Equalization, Creating an Image	150 min	9:00 to 11:30 am
Lunch Break (40 min : 11:30 to 12:10 pm)			
Workshop Session - II b) : Image Processing Module Continued: Timing: 11:30 am to 12.10 pm Venue: MT-09			
2	Content: 1. Image Processing Routines – Continued: Creating Color Pallets, Morphological operations 2. Image Conversions: Adding and Subtracting Image, Resizing and transformations	80 min	12:10 to 1:30 pm
Break : 10 minutes			
3	Content: Mini Projects on 1. Gestures Recognition 2. Text Blocks Recognition 3. Wireless Sensor Networks	50 min	1:40 to 2:30 pm
4	Queries + Feedback from Students	10 min	2.30 to 2.40 pm
5	Vote of Thanks by Mr. Shirish Nagar, HoD, IT Department	05 min	2.40 to 2.45 pm
6	Poornima Gaan + Session-II Closing	10 min	2.45 to 2.55 pm

* SESSION CLOSES AT 3.00 PM DUE TO SATURDAY TIMING FOR BUS DEPARTURE

EFFECTIVE WORKSHOP HOURS (150+80+50) = 280 MINUTES = 4 HOURS 40 MINUTES.

TOTAL EFFECTIVE WORKSHOP HOURS: 9 HOURS 10 MINUTES.