SGT UNIVERSITY
SHREE GURU GOBIND SINGH TRICENTENARY UNIVERSITY
(UGC Approved) Gurugram, Delhi-NCR
Budhera, Gurugram-Badli Road, Gurugram (Haryana) – 122505 Ph. : 0124-2278183, 2278184, 2278185

IQAC Report

On

Inter-Faculty

Hands-on Training

On

Image Processing through MATLAB

Held on

1 May,2023

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Faculty of Engineering and Technology

&

Faculty of Science

vent – Hands-on Training on Image Processing through MATLAB

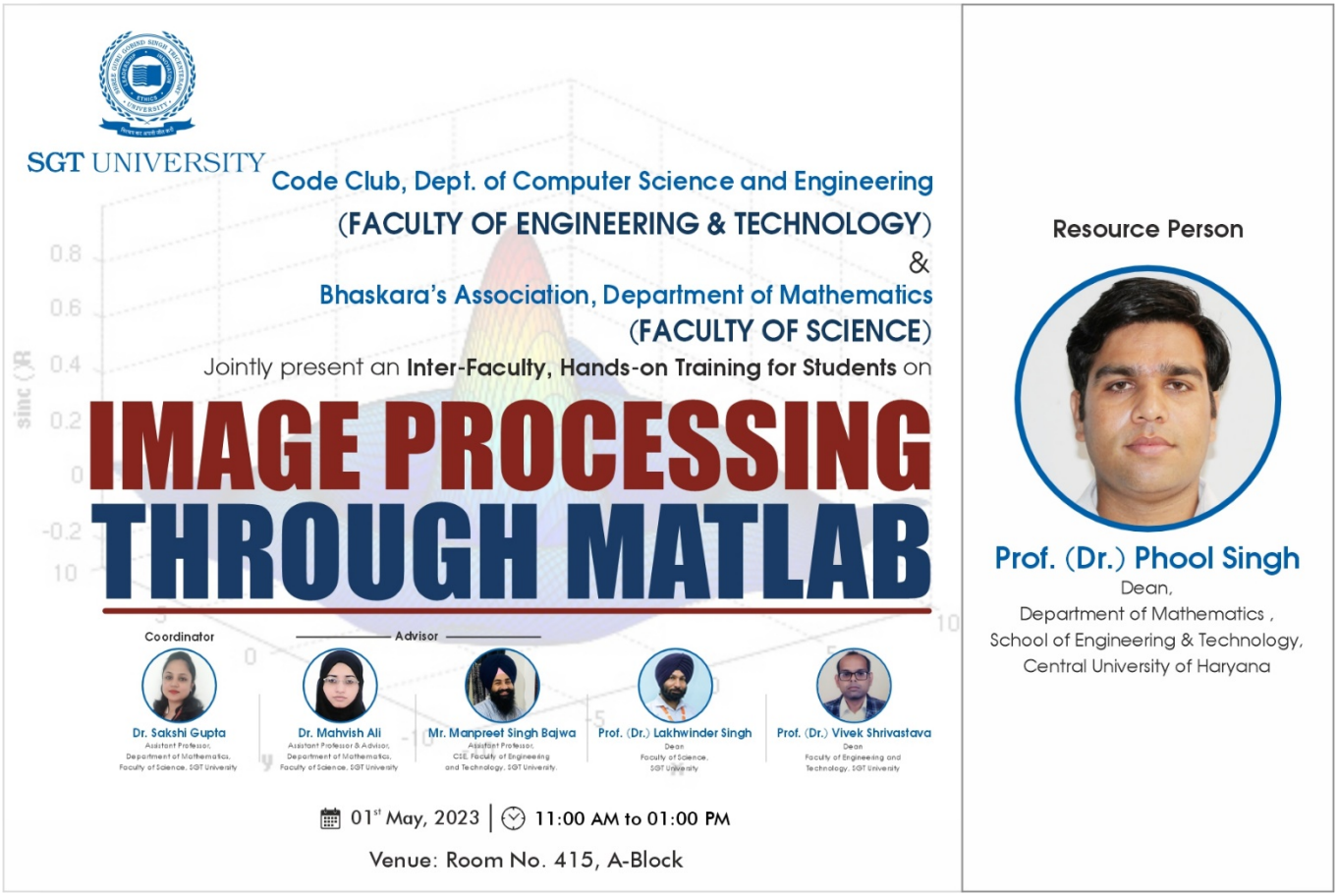
At

SGT University, Gurugram

Dated: 1 May 2023

Time: 11:00 am–01:00 pm

E-Banner-



Event Co-Ordinator:

Dr. Sakshi Gupta, Assistant Professor, Department of Mathematics, FOSC, SGT University

Resource Person:

Prof. (Dr.) Phool Singh, Dean, Department of Mathematics, School of Engineering & Technology, Central University of Haryana

Advisors:

1. Dr. Mahvish Ali, Assistant Professor, Department of Mathematics, Faculty of Science, SGT University

2. Mr. Manpreet Singh Bajwa, Assistant Professor, CSE, Faculty of Engineering and Technology, SGT University.

Report of the Workshop:

a) Introduction:

Image processing refers to the use of techniques and algorithms to analyze, manipulate, enhance, and transform digital images. It is a multidisciplinary field that draws on concepts and methods from mathematics, computer science, physics, and engineering. It has many practical applications, including medical imaging, satellite imaging, digital photography, video processing, and computer vision.

In order to enhance the practical exposure of our students, Code Club, Department of Computer Science and Engineering, FEAT and Bhaskara's Association, Department of Mathematics, Faculty of Science have jointly organized an Inter-Faculty "**Hands on Training on Image Processing through MATLAB"** on 1st May 2023. The queries raised by the participants were successfully answered by the resource person.

The students expressed immense satisfaction about the workshop, as they were able to gain practical knowledge about the applications of image processing in different fields.

b) Objective of the Event :

The objective of conducting this event was to familiarise the participants with the fundamentals of Image Processing as well as tools used for Image Processing in MATLAB.

The students gained practical knowledge on how to read, visualize and manipulate an image through different operations on matrices; and how to add or remove noise from an image. They also plotted the histogram and 3D mesh of an image using MATLAB.

c) Screenshots:

SGT UNIVERSITY
Code Club, Dept. of Computer Science and Engineering
(FACULTY OF ENGINEERING & TECHNOLOGY)
&
Bhaskara's Association, Department of Mathematics
(FACULTY OF SCIENCE)
Resource Person

IMAGE PROCESSING
THROUGH MATLAB

IMAGE PROCESSING
THROUGH MATLAB

IMAGE PROCESSING
THROUGH MATLAB
GPS Map Camera
Gurugram, Haryana, India
Sgt University 1, Sgt University 1, Budhera, Gurugram, Haryana
122505, India
Lat 28.479621°
Long 76.904277°
01/05/23 11:12 AM GMT +05:30
Google

List of participants: Around 56 students with 4 faculty members.

Shortcoming: No, the event was successful and was greatly appreciated by the students.

Attendance:

Sr .no	Name	Faculty	Registration no.
1.	Aryan Solanki	Faculty of Engineering & Technology	221302127
2.	Raveen	Faculty of Engineering & Technology	221348065
3.	Nikhil	Faculty of Science	211703015
4.	ARITI	Faculty of Engineering & Technology	221302142
5.	Vinny Goyal	Faculty of Science	221708001
6.	Krishan bansal	Faculty of Engineering & Technology	221302090
7.	Kunal Mehta	Faculty of Engineering & Technology	221348053
8.	Vandita Nandal	Faculty of Engineering & Technology	221302135
9.	Tanushree Mohanty	Faculty of Engineering & Technology	221302007
10.	Himani uppal	Faculty of Engineering & Technology	221302130
11.	HARSH rahar	Faculty of Engineering & Technology	221348004
12.	Chris J. Bernald	Faculty of Science	221708009
13.	Saloni kataria	Faculty of Science	221718001
14.	Shubham	Faculty of Engineering & Technology	221302097
15.	Srishti Choudhary	Faculty of Engineering & Technology	221302064
16.	Raunak Purohit	Faculty of Engineering & Technology	221302178
17.	Manish Kumar	Faculty of Science	211703004
18.	Netra Bahadur Basnet	Faculty of Science	211703008
19.	Rahul	Faculty of Science	211703012
20.	Mayank Kumar	Faculty of Engineering & Technology	221345056
21.	Anurag Kumar	Faculty of Engineering & Technology	221302097

22.	Lokesh	Faculty of Engineering & Technology	221348072
23.	Daksh Dahuja	Faculty of Engineering & Technology	221345020
24.	Divyajeet Biswal	Faculty of Engineering & Technology	221302105
25.	Ruby Dangi	Faculty of Science	221708004
26.	Tushar	Faculty of Engineering & Technology	221348056
27.	Deeksha Singh	Faculty of Engineering & Technology	221302100
28.	Anjali	Faculty of Science	221708010
29.	Ram Singh	Faculty of Engineering & Technology	221348062
30.	Yoginder	Faculty of Science	211703007
31.	Mohit yadav	Faculty of Engineering & Technology	221302089
32.	Ellena Liyas	Faculty of Engineering & Technology	221302136
33.	Harsh Kakralia	Faculty of Science	211703009
34.	Yogesh	Faculty of Science	221707005
35.	Arushi Aggarwal	Faculty of Engineering & Technology	221302213
36.	abhilasha	Faculty of Science	221707006
37.	Sakshi Mittal	Faculty of Engineering & Technology	221302050
38.	Tannu	Faculty of Science	221797007
39.	Sakshi	Faculty of Engineering & Technology	221302031
40.	Rohin Vengatesh	Faculty of Engineering & Technology	221302033
41.	Shiwani	Faculty of Science	211703011
42.	Garima	Faculty of Science	211707002
43.	Ekta kalia	Faculty of Science	221707003
44.	Manisha Yadav	Faculty of Science	211715002
45.	Upasana Yadav	Faculty of Science	211703016

46.	Jagriti	Faculty of Science	221708005
47.	Nishant	Faculty of Engineering & Technology	221348058
48.	Neelam	Faculty of Engineering & Technology	221302210
49.	Yashu Gaur	Faculty of Engineering & Technology	221302207
50.	Drishti	Faculty of Engineering & Technology	221302009
51.	Sakshi Kadian	Faculty of Engineering & Technology	221302046
52.	Lakshay	Faculty of Engineering & Technology	221348084
53.	Aditya	Faculty of Engineering & Technology	221302138
54.	Ayush bhatt	Faculty of Engineering & Technology	221302133
55.	Megha	Faculty of Science	221707001
56.	Vibhor Punia	Faculty of Engineering & Technology	221345074

Sr. No	Name	Faculty	Employee ID
1.	Dr. Sakshi Gupta	Faculty of Science	19908
2.	Dr. Mahvish Ali	Faculty of Science	20096
3.	Dr. Haresh Sharma	Faculty of Science	18403
4.	Dr. Mohammad Asim	Faculty of Science	18161