Guest Lecture on Image Processing and its Application On 8th Feb 2023

Organized by

IETE STUDENT FORUM, JBIET

Department of Electronics and Communication Engineering

Circular

J.B. INSTITUTE OF ENGINEERING & TECHNOLOGY
(UGC Autonomous)
(Accredited by NBA & NAAC, Approved by AICTE & Permanently Affiliated to JNTUH)

Department of Electronics and Communication Engineering

Date: 01-02-2023

Circular

This is to inform all B.Tech students that, **IETE Students Forum (ISF)** branch of ECE is organizing Guest Lecture on "Image Processing and its Application" FEB.08, 2023 at 12:30 PM. Hence requesting to inform all the IIIrd Year students to be present on the day.

Copy to

1 Principal
2. HODs ECE, ECM, EEE,
3. Class In charges

Dr. Towheed Sultana
HOD ECE

Guest lecture Date: FEB.08, 2023

Number of participants: 112

Guest Lecturers: 01

SUMMARY OF EVENT:

OBJECTIVE	Awareness in image processing
CONVENOR	Mr.Rajkumar D Bhure
RESOURCE PERSONS	Dr.B Rajkumar
COORDINATOR(S)	Mrs.E Shilpa and Mr.D Kotya

PROGRAM REPORT

Image processing is the field of study that involves the manipulation of digital images using various techniques and algorithms to enhance their visual quality or extract useful information from them. It has numerous applications in various fields, including medicine, astronomy, security, robotics, and many others. In this report, we will discuss image processing and its applications.

Image Processing Techniques:
Image Enhancement: It is a technique used to improve the visual quality of an image by adjusting its contrast, brightness, color balance, and sharpness.
Image Restoration: It is a technique used to remove noise or blur from an image and restore it to its original state.
Image Compression: It is a technique used to reduce the size of an image without losing its visual quality.
Image Segmentation: It is a technique used to divide an image into multiple segments based on its features or properties.
Object Recognition: It is a technique used to identify and recognize objects in an image based on their shape, size, and color.

Applications of Image Processing:
Medical Imaging: Image processing plays a vital role in medical imaging, including X-rays, CT scans, MRI, and ultrasound. It helps in diagnosis, treatment planning, and monitoring the progression of diseases.
Remote Sensing: Image processing is used in satellite imagery to monitor weather patterns, natural disasters, and crop growth. It is also used in mapping and land use planning.
Security: Image processing is used in security systems, including facial recognition and fingerprint recognition, to identify individuals and prevent unauthorized access.
Robotics: Image processing is used in robotics to enable robots to recognize and interact with their environment.
Entertainment: Image processing is used in the entertainment industry, including video games and movies, to create special effects and animation.

Conclusion:
In conclusion, image processing is a rapidly growing field with numerous applications in various fields. Its techniques and algorithms play a vital role in improving the visual quality of images and extracting useful information from them. Its applications in medicine, remote sensing, security, robotics, and entertainment continue to expand, making it a critical field of study for the future.

Strengths
Participants who have attended the Guest Lecture on "Image Processing and its Application' given a good response and expressed gaining more knowledge within a short time period.The Speaker have given an idea about scope of Research in this Area.Participants felt more effective and demonstrations are useful

Suggestions:

Participants Expected to have hands-on Session
Duration of the program should be little bit extended

Participants list

S.No	Roll No	Student Name	S.No	ROLL NUMBER	Student Name
1	19671A0401	ATTURI AKANKSHA	1	19671A0451	BHARATH CHANDRA VIPPARTHI
2	19671A0402	ALLAMANENI AMRUTH	2	19671A0453	BILLAKANTI SAI NITHISH
3	19671A0403	ARELLI KIREETI	3	19671A0454	B TARUN
4	19671A0404	B DINESH REDDY	4	19671A0455	CHILUVERU VARUN
5	19671A0405	BALAJI KONKISA	5	19671A0456	CHINTHALA DEVAYANI
6	19671A0406	BANOTH SAIRAM	6	19671A0457	DANTHAM SANTHOSH
7	19671A0407	BHUKYA NAVEEN	7	19671A0458	DAREDDY SHIVA REDDY
8	19671A0408	BURRI THARUN KUMAR	8	19671A0459	DASARI VAMSI KRISHNA
9	19671A0409	CHEEPURUPALLI SAI SREE	9	19671A0460	DULAM AKSHAYA
10	19671A0410	D CALIX BENNY RUFUS	10	19671A0462	GITTE SRISAILAM
11	19671A0411	DESHINI SRAVANI	11	19671A0463	GORIGE SRAVYA
12	19671A0412	DHARANIKOTA SATHWIK	12	19671A0464	GOURARAM MANIDEEP GOUD
13	19671A0413	DHONDI KHOBBANI SNEHITH KUMAR	13	19671A0465	G. BALU
14	19671A0414	D NEMISH	14	19671A0466	TALARI AJAY KUMAR
15	19671A0415	DAREDDY HARSHITHA	15	19671A0467	GOPALA YASHWANTH RAJ
16	19671A0416	G CHARITHA	16	19671A0468	KASULA MANOJ
17	19671A0417	GARIGE SWAGATH	17	19671A0469	KEESARI RENUSREE
18	19671A0418	GOPU NANDINI RANI	18	19671A0470	KINNERA HEMANTH
19	19671A0419	GULAM SADEEDUDDIN	19	19671A0471	KORADALA AMEEKSHA
20	19671A0420	HRUTHIK RAO AVIRNENI	20	19671A0472	KUSUMADARI KESHAV KUMAR SAI
21	19671A0421	JEDIPALLY UDAY KIRAN REDDY	21	19671A0473	KODELA MAHESH
22	19671A0422	JAIDI VINEELA	22	19671A0474	MADINENI NAVYA
23	19671A0423	KANDUKURI SAISRIKAR	23	19671A0475	MALISETTI VAMSHI
24	19671A0424	KONDRA RAKSHITH REDDY	24	19671A0476	MEDA NIKHITA
25	19671A0425	KOYYADA RAKESH	25	19671A0477	MILKURI SHIVANI
26	19671A0426	K AKHILA	26	19671A0478	MOHAMMAD SAMEER PASHA
27	19671A0427	KALLEM SARIKA	27	19671A0479	MOOLA PRANAYA
28	19671A0428	LINGAMPELLY SRIKARNA	28	19671A0480	MUTHYALA LOKESH KUMAR
29	19671A0429	LOKAM AKHILESH	29	19671A0481	MALIGIREDDY RADDHIKA
30	19671A0430	LALAM SHIVA	30	19671A0482	OLAPU LAXMAN
31	19671A0431	M KAVYA	31	19671A0483	P SANDHYA
32	19671A0432	MD IMRAN PASHA	32	19671A0484	PASUPULETI VENKATESH
33	19671A0433	MODUGU SUNIL	33	19671A0485	POLASANI VAMSHI DESHAI
34	19671A0434	M SOUMITH REDDY	34	19671A0486	PAMIDI ANUDEEP CHOWDARY
35	19671A0435	N AKHILA	35	19671A0487	P VARUN KUMAR
36	19671A0436	NARSING BHARATH REDDY	36	19671A0488	SANAM SAMPURNA CHANDRA SHEKHAR
37	19671A0437	NEHRU SAI	37	19671A0489	SURU VINOD
38	19671A0438	PERUKA VINEETH	38	19671A0490	SURAIYA SHABNAM
39	19671A0439	PAMIDI NAMRATHA	39	19671A0491	TOLUPUNURI HARSHITH KOUNDINYA
40	19671A0440	PARIPELLI VAMSHI	40	19671A0492	TAKKALAPELLI AKHIL RAO
41	19671A0441	PARVATHI SAITEJA	41	19671A0493	VEERAMALLA RANITH REDDY
42	19671A0442	RENUKUNTLA TEJASWAROOP	42	19671A0494	VEMPALLI LASYA
43	19671A0443	S UDAY SHANKAR	43	19671A0495	YANNA MAMATHA
44	19671A0444	SABAVATH RAKESH NAIK	44	19671A0496	YELLA KAVYA
45	19671A0445	SANA NAGA VENKATA SUBHASH NAIDU	45	19671A0497	VENKATAPURAM PAVAN KUMAR
46	19671A0446	THOTA SRAVAN KUMAR	46	19671A0498	V. SATYADEV
47	19671A0447	SANKA SATHVIK	47	19671A0499	BHUKYA VIJAY KUMAR
48	19671A0448	TALARI HARSHITHA	48	19671A04A0	MUNUGALA YESHWANTH REDDY
49	19671A0449	VANNELA MITHILESH	49	20675A0408	KURUMALLA VAMSHI
50	19671A0450	VINUKONDA SNEHA	50	20675A0409	SATHU GEETHABHAVANI
51	20675A0401	DHANSHETTY KASHINATH	51	20675A0410	M TARUN KUMAR
52	20675A0402	RAVIKUMAR RADHIKA	52	20675A0411	RANGU SRUJALA
53	20675A0403	NAKKA SANDEEP	53	20675A0412	NAGULA VINEETH KUMAR
54	20675A0404	RIZWANA	54	20675A0413	KOLLURI ANURAG
55	20675A0405	THALLA SWATHI	55	20675A0414	THANNERU PRAKASH
56	20675A0406	CHITHALAPETA RAJA REDDY	56	18671A0423	KORANI VAMSHI VARDHAN (Re-admn)
57	20675A0407	KOMARI SHIREESHA	57	18671A0424	KORRA BALRAM
58	18671A0467	RATHNAM THIRUMALESH (Re-admn)	58	18671A0435	K PAVAN (Re-admn)
			59	18671A0453	ADIRINTI PRAPULLA KUMAR (Re-admn)
			60	16671A0403	ADARSH KALLEPALLY (Re-admn)

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III B.Tech- I Sem ECE(A) - 2019 Batch - (2021-22)
MATLAB WORKSHOP ON SIGNAL PROCESSING

04-10-21

S.No	Roll No	Student Name	F N	A N
1	19671A0401	ATTURI AKANKSHA		
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20	19671A0420	HRUTHIK RAO AVIRNENI		
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12:00 05-10-21

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Towheed.s

CONVENOR   HOD, ECE
Mr.Rajkumar D Bhure   Dr. Towheed Sultana