Report of PROJECT COLLOQUIUM

Name of Event: PROJECT COLLOQUIUM OF IMAGE PROCESSING

Date and Time: 6TH APRIL 2023, 9:30 AM onwards

Faculty Coordinator: Dr Kavindra R Jain

Student Coordinators: KAVISH PATEL

Number of Participants: 27

6th April 2023

PROJECT DEMONSTRATION

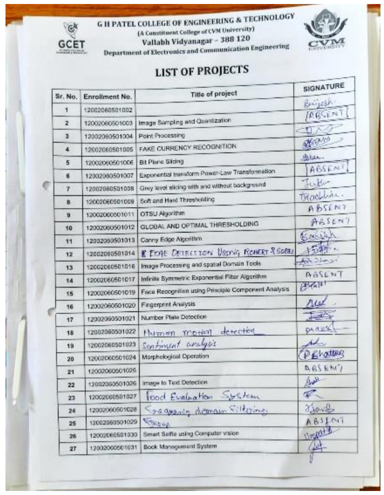
Time and talents are the aspects that play a crucial role in determining what one's career graph can look like given the increasing competition in the expanding sector of technology. When one's talents match what the market demands and what the existing educational model falls short of delivering, one is always in a better position. Department of Electronics and Communication Engineering, organized a PROJECT COLLOQUIUM OF IMAGE PROCESSING. 27 PROJECTS by third year EC students have been prepared based on Digital image Processing applications. The enthusiastic students have designed projects using the python programming language and MATLAB GUI's. Students learnt the basics of python along with GUI preparation using MATLAB.STUDENTS PROJECTS INCLUDED library management system, human fall detection, fake currency identification, automatic number plate detection, virtual toolbox of digital image processing etc. Through a combination of theoretical concepts and practical exercises, students will develop a solid foundation in programming skills that they can apply to real-world projects. This session was led by team members themselves under supervision of Professor Dr Kavindra R Jain, who is currently working as an Assistant Professor in the Electronics and Communication Engineering Department at GCET.

❖ Photographs:






No of Participants: Total- 27 students and 1 Faculty



G H PATEL COLLEGE OF ENGINEERING & TECHNOLOGY
(A Constituent College of CVM University)
Vallabh Vidyanagar - 388 120
Department of Electronics and Communication Engineering

LIST OF PROJECTS

Sr. No.	Enrollment No.	Title of project	SIGNATURE
1	12002060501002		Brijesh
2	12002060501003	Image Sampling and Quantization	ABSENT
3	12002060501004	Point Processing	[illegible]
4	12002060501005	FAKE CURRENCY RECOGNITION	[illegible]
5	12002060501006	Bit Plane Slicing	[illegible]
6	12002060501007	Exponential transform Power-Law Transformation	ABSENT
7	12002060501008	Grey level slicing with and without background	[illegible]
8	12002060501009	Soft and Hard Thresholding	[illegible]
9	12002060501011	OTSU Algorithm	ABSENT
10	12002060501012	GLOBAL AND OPTIMAL THRESHOLDING	ABSENT
11	12002060501013	Canny Edge Algorithm	[illegible]
12	12002060501014	EDGE DETECTION USING ROBERT & SOBEL	[illegible]
13	12002060501016	Image Processing and spatial Domain Tools	[illegible]
14	12002060501017	Infinite Symmetric Exponential Filter Algorithm	ABSENT
15	12002060501019	Face Recognition using Principle Component Analysis	[illegible]
16	12002060501020	Fingerprint Analysis	[illegible]
17	12002060501021	Number Plate Detection	[illegible]
18	12002060501022	Human motion detection	[illegible]
19	12002060501023	Sentiment analysis	[illegible]
20	12002060501024	Morphological Operation	[illegible]
21	12002060501025		ABSENT
22	12002060501026	Image to Text Detection	[illegible]
23	12002060501027	Food Evaluation System	[illegible]
24	12002060501028	Frequency domain Filtering	[illegible]
25	12002060501029	[illegible]	ABSENT
26	12002060501030	Smart Selfie using Computer vision	[illegible]
27	12002060501031	Book Management System	[illegible]

CONCLUSION

The session was highly insightful. We would like to thank Dr Kavindra R Jain for his time and efforts. We would also like to thank Dr. HITESH B SHAH for his continuous support and guidance. Also, to student coordinators for their constant efforts. All members of the team gave it their best efforts.