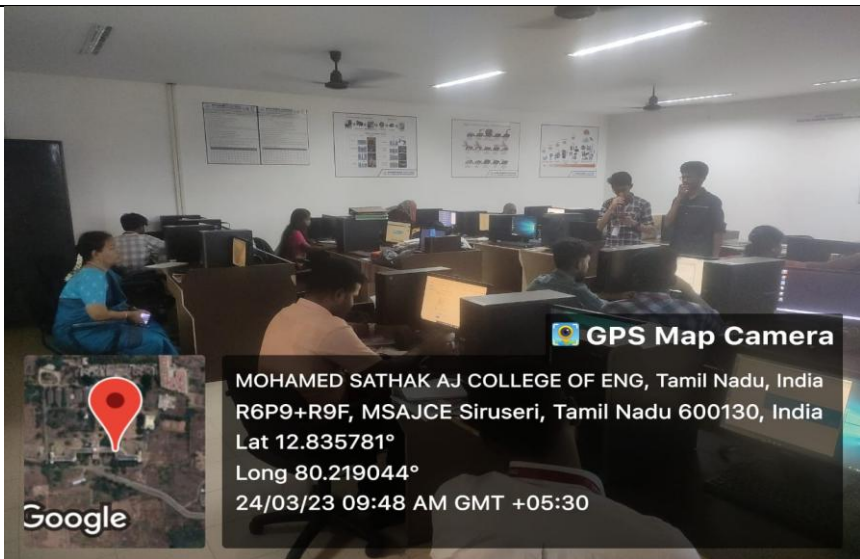




Department of Electronics and Communication Engineering
Innovative Teaching Methods

Activity Title	Mini Project
Faculty Name/Department	Dr.I.Manju / ECE
Mapped Course Name & Code	DIGITAL SIGNAL PROCESSING
Date	24.03.23
Benefitted Students (Year / Sem / Dept)	II/IV/ECE
Topic	Real time applications of signal processing
Description	<p>It results in the development of problem-solving and presentation skills, excellent team spirit, increase research skills, self-confidence, attitudinal change, and sense of achievement in the students.</p> <p>Students were given a set of problems related to Real time applications of signal processing. They were asked to write a program and execute it in MATLAB. They were instructed to present the output for discussion and submit a report.</p>
Course Outcomes (CO)	Design solutions to real time problems using MATLAB
Performance Indicator (PI)	1.4.1,9.1,11.1
Mail ID (for review)	ece.manju@msajce-edu.in
Activity Photos	 <p>GPS Map Camera</p> <p>MOHAMED SATHAK AJ COLLEGE OF ENG, Tamil Nadu, India R6P9+R9F, MSAJCE Siruseri, Tamil Nadu 600130, India Lat 12.835781° Long 80.219044° 24/03/23 09:48 AM GMT +05:30</p> <p>Google</p>

List of the Mini Project:

1. Vehicle Detector
2. Real Time [ECG]-QRS Detection
3. Design Of Digital Music Synthesizer
4. Dual Tone Multi Frequency [DTMF]
5. Deblurring Images Using A Regularized Filter
6. Adaptive Noise Cancellation Using Rls Adaptive Filtering
7. Earthquake Recording And Analysis
8. Handwritten Character Recognition using MATLAB Code
9. Brain Tumour Extraction From MRI Images
10. Detecting a Cancer Cell Using Image Segmentation
11. ECG Signals Denoising With SG Filter

Marks:

Team	Name Of The Students	Topics	Marks			Total
			Implemen tation(10)	Presenta tion (05)	Report (5)	
1	S.Humaira Nusrath	Vehicle Detector	10	5	5	20
	G.Sowndharaya		10	3	5	18
2	V.Abinayaa	Real Time ECG-QRS Detection	10	5	5	20
	S.Chithra		10	5	5	20
	H.Bhavani		10	5	5	20
3	K.Nandhini.	Design Of Digital Music Synthesizer	10	5	5	20
	Safia Farheen		10	3	5	18
	Asma Fathima		10	2	5	17
4	S.Venkatesan	Dual Tone Multi Frequency [DTMF]	10	5	5	20
	K.N Dhinesh		10	2	5	17
	Shagul Hameed		10	2	5	17
5	Anish Kumar	Deblurring Images Using A Regularized Filter	10	5	5	20
	K. Suhail		10	4	5	19
	S.Karthikeyan		10	2	5	17
6	Maheswaran	Adaptive Noise Cancellation Using Rls Adaptive Filtering	10	2	5	17
	C.Dhinesh		10	3	5	18
	T.Surya		10	3	5	18

7	R.Halith Umar	Earthquake Recording And Analysis	10	4	5	19
	Suvan Kumar		10	4	5	19
8	Syed Afrid	Handwritten Character Recognition using MATLAB Code	10	2	5	17
	J.Jayasudhan		10	2	5	17
	Majithul Hikkum		10	2	5	17
9	D.Kishore	Brain Tumour Extraction From MRI Images	10	3	5	18
	N.I .Mohamed Yahya		10	3	5	18
10	A.Abdul Basid	Detecting A Cancer Cell Using Image Segmentation	10	3	5	18
	M.Mohammed Aathif		10	5	5	20
	V.Sanjay		10	4	5	19
11	A.Ariharan	ECG Signals	10	3	5	18
	R.Gajendiran	Denoising	10	2	5	17
	C.Sibi	With SG Filter	AB	AB	AB	AB

Outcome:

1. Better understanding of real time applications of signal processing and MATLAB.
2. Students learnt how to function effectively as a member or leader of a teams, and execute a project.