



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

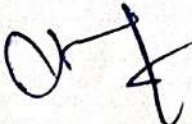
363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



2.3.1. Students centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

INDEX

S.NO	CONTENT	Page No
1	Methodology of Student Centric Teaching- Learning	2
2	Experiential Learning	3
2.1	Laboratory Experiments	8
2.2	Internships/ In-plant Training	18
2.3	Industrial Visit	25
2.4	Projects	32
3	Participative Learning	32
3.1	Guest Lectures	37
3.2	Symposium	48
3.3	Entrepreneurship	49
3.4	Add on course	


Prepared by


Verified by


Principal



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

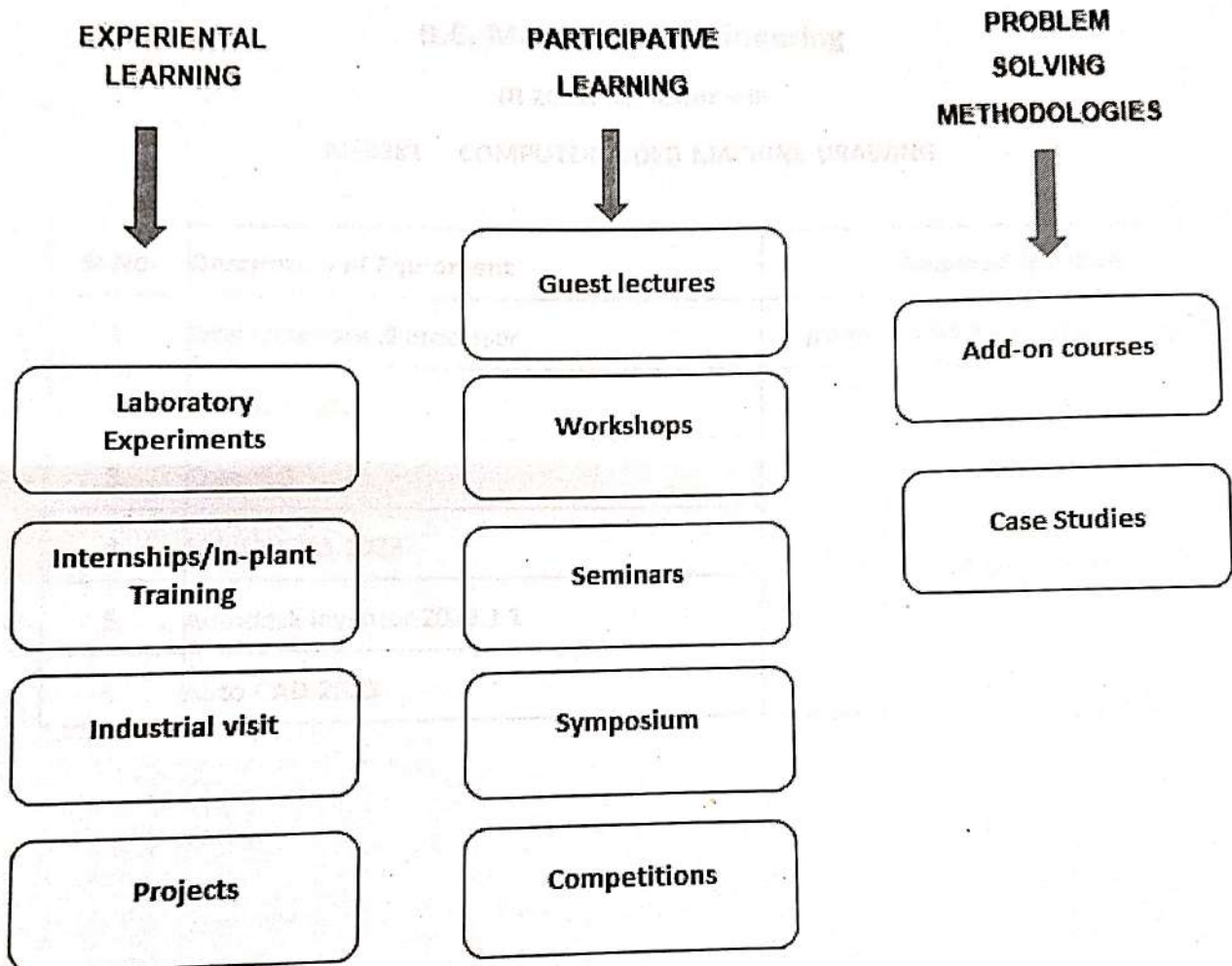
Recognized by UGC with 2(f) & 12(B) status)



363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



1.0 METHODOLOGY OF STUDENT CENTRIC TEACHING- LEARNING



PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
KODAMBAKKAM



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai.

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



2.0 EXPERIENTIAL LEARNING

2.1 LABORATORY EXPERIMENTS

B.E. Mechanical Engineering

(R 2021) Semester – III

ME3381 COMPUTER AIDED MACHINE DRAWING

Sl.No.	Description of Equipment	Required Numbers
1.	Intel Octa core i9 processor	6 GHz, 16 GB Ram, 600 s8D HD- 50
2.	Windows 11	50 S7D Acad License
3.	Creo 9.0	
4.	Solid Works 2023	
5.	Autodesk Inventor 2023.1.1	
6.	Auto CAD 2023	


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai.

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



ME3382 MANUFACTURING TECHNOLOGY LABORATORY

S.No.	Name of the Equipment	Required Numbers
1.	Centre Lathes	7 Nos.
2.	Shaper	1 No.
3.	Horizontal Milling Machine	1 No.
4.	Vertical Milling Machine	1 No.
5.	Surface Grinding Machine	1 No.
6.	Cylindrical Grinding Machine	1 No.
7.	Radial Drilling Machine	1 No.
8.	Lathe Tool Dynamometer	1 No.
9.	Milling Tool Dynamometer	1 No.
10.	Gear Hobbing Machine	1 No.
11.	Gear Shaping Machine	1 No.
12.	Arc welding transformer with cables and holders	2 Nos.
13.	Oxygen and Acetylene gas cylinders, blow pipe and other welding outfit	1 No.
14.	Moulding table, Moulding equipments	2 Nos.

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi).

Affiliated to Anna University, Chennai.

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



CE3481 STRENGTH OF MATERIALS AND FLUID MACHINERY LABORATORY

Sl. No.	Name of the Equipment	Required Numbers
1	Venturimeter setup	1 No.
2	Friction Apparatus setup	1 No.
3	Metacentric Height apparatus setup	1 No.
4	Impact of jet setup	1 No.
5	Centrifugal pump set up	1 No.
6	Reciprocation pump set up	1 No.
7	Pelton Wheel turbine set up	1 No.
8	Stop watch	15 No.
9	IM wooden seal	15 Nos.
10	Tachometer	1 No.


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai.

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(B) status)



363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India

ME3461 THERMAL ENGINEERING LABORATORY

ME3461 THERMAL ENGINEERING LABORATORY

Sl. No.	Name of the Equipment	Required Numbers
1	I.C Engine – 2 stroke and 4 stroke model	1 set
2	Apparatus for Flash and Fire point	1 No.
3	4-stroke Diesel Engine with mechanical loading	1 No.
4	4-stroke Diesel Engine with hydraulic loading	1 No.
5	4-stroke Diesel Engine with electrical loading	1 No.
6	Multi-Cylinder Petrol Engine	1 No.
7	Single Cylinder Petrol Engine	1 No.
8	Data Acquisition system with any one of the above engines	1 No.
9	Steam Boiler with turbine setup	1 No.

10	Compressor Measuring Machine	1 No.
11	Compressor Measuring Equipment	1 No.
12	Bar Gauge	1 No.
13	Telescope Gauge	1 No.

DYNAMICS

Sl. No.	Name of the Equipment	Required Numbers
1	Cam follower setup	1 No.
2	Rotational pendulum	1 No.
3	Forced vibration - Mass, Spring, Dasher and Damper	1 No.
4	Resonance of shaft experiment	1 No.

PRINCIPAL
 MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
 MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
 363, ARCOT ROAD, KODAMBAKKAM
 CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



ME3581 METROLOGY AND DYNAMICS LABORATORY

METROLOGY

Sl. No.	Name of the Equipment	Required Numbers
1	Micrometer	5 Nos.
2	Vernier Caliper	5 Nos.
3	Vernier Height Gauge	2 Nos.
4	Vernier Depth Gauge	2 Nos.
5	Slip Gauge Set	1 No.
6	Gear Tooth Vernier	1 No.
7	Sine Bar	1 No.
8	Floating Carriage Micrometer	1 No.
9	Profile Projector / Tool Makers Microscope	1 No.
10	Mechanical / Electrical / Pneumatic Comparator	1 No.
11	Autocollimator	1 No.
12	Coordinator Measuring Machine	1 No.
13	Surface finish Measuring Equipment	1 No.
14	Bore Gauge	1 No.
15	Telescope Gauge	1 No.

DYNAMICS

Sl. No.	Name of the Equipment	Required Numbers
1	Cam follower setup	1 set
2	Motorised gyroscope	1 No.
3	Governor apparatus – Watt, Porter, Proell and Hartnell governors	1 No.
4	Whirling of shaft apparatus	1 No.

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



5	Dynamic balancing machine	1 No.
6	Two rotor vibration setup	1 No.
7	Spring mass vibration system	1 No.
8	Torsional Vibration of single rotor system setup	1 No.
9	Gear Models	1 No.
10	Kinematic Models to study various mechanisms	1 No.
11	Turn table apparatus	1 No.
12	Transverse vibration setup of a) cantilever	1 No

6	CNC Milling Machine	1 No.
SOFTWARE		
	AutoCAD and SolidWorks for mechanical design and manufacturing & CAD	15 licenses
	CAD software	
	CAM Software for machining centre and turning centre (KMC)	
4	Programming and tool path simulation for FANUC / (numeric control for lathe & turret)	15 licenses
3	Integrated operating system	Adequate
25	Support for CAPP	Adequate

PRINCIPAL

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

363, ARCOT ROAD, KODAMBAKKAM

CHENNAI-600 024

GE



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.E.T. Society, Approved by AICTE, New Delhi)

Affiliated to Anna University, Chennai.

Accredited by NAAC with 'A' grade and NBA for programs applied.

Recognized by UGC with 2(f) & 12(B) status



363, Arcot Road, Kodambakkam, Chennai - 600 024, Tamil Nadu, India



ME3681 CAD/CAM LABORATORY

Sl. No.	Name of the Equipment	Required Numbers
HARDWARE		
1	Computer Server	1 No.
2	Computer nodes or systems (High end CPU with atleast 1 GB main memory) networked to the server	30 Nos.
3	A3 size plotter	1 No.
4	Laser Printer	1 No.
5	CNC Lathe	1 No.
6	CNC Milling Machine	1 No.
SOFTWARE		
7	Any High end integrated modeling and manufacturing CAD / CAM software	15 licenses
8	CAM Software for machining centre and turning centre (CNC Programming and tool path simulation for FANUC / Sinumeric and Heidenhain controller)	15 licenses
9	Licensed operating system	Adequate
10	Support for CAPP	Adequate

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(II) status)




363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



ME3611 HEAT TRANSFER LABORATORY

Sl. No.	Name of the Equipment	Required Numbers
1	Guarded plate apparatus	1 set
2	Lagged pipe apparatus	1 No.
3	Natural convection – vertical cylinder apparatus	1 No.
4	Forced convection inside tube apparatus	1 No.
5	Composite wall apparatus	1 No.
6	Thermal conductivity of insulating powder apparatus	1 No.
7	Pin-fin apparatus	1 No.
8	Stefan-Boltzmann apparatus	1 No.
9	Emissivity measurement apparatus	1 No.
10	Parallel/counter flow heat exchanger apparatus	1 No.
11	Single / two stage reciprocating air compressor	1 No.
12	Refrigeration test rig	1 No.
13	Air-conditioning test rig	1 No.

Sl. No.	List of Experiments
1	Verifications of Fourier's Law
2	Verifications of Thermal & Radiative Properties
3	Verification of Stefan-Boltzmann Theorem
4	Verification of Newton's law of cooling
5	Determination of Resonance Frequency of Series & Parallel RLC Circuits
6	Transient response of RC and RL circuits


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(F) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

ECE LAB 2- DIGITAL ELECTRONICS LAB

LIST OF EXPERIMENTS (R2021)

Sub Code: EC3352

YEAR/SEM: II/III

Sub Name: DIGITAL SYSTEMS DESIGN LABORATORY

S.NO	Experiments
1	Design of adders and subtractors & code converters.
2	Design of Multiplexers & Demultiplexers.
3	Design of Encoders and Decoders.
4	Design of Magnitude Comparators
5	Design and implementation of counters using flip-flops
6	Design and implementation of shift registers.

ECE LAB 2- ELECTRONIC DEVICES AND CIRCUITS LAB

LIST OF EXPERIMENTS (R2021)

Sub Code: EC 3271

Year/Sem: I/II sem

Sub Name: Circuit Analysis Laboratory

S.NO	List of Experiments
1	Verifications of KVL & KCL
2	Verifications of Thevenin & Norton theorem.
3	Verification of Superposition Theorem
4	Verification of maximum power transfer Theorem
5	Determination of Resonance Frequency of Series & Parallel RLC Circuits
6	Transient analysis of RL and RC circuits.


 PRINCIPAL
 MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
 363, ARCOT ROAD, KODAMBAKKAM
 CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi)

Affiliated to Anna University, Chennai.

Accredited by NAAC with 'A' grade and NBA for programs applied.

Recognized by UGC with 2(I) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



ECE LAB 2- ELECTRONIC DEVICES AND CIRCUITS LAB

LIST OF EXPERMIENTS (R2021)

Sub Code: EC 3361

Year/Sem:II/III sem

Sub Name: Electronic Devices and Circuits Laboratory

S.NO	List of Experiments
1	Characteristics of PN Junction Diode and Zener diode.
2	Full Wave Rectifier with Filters.
3	Design of Zener diode Regulator.
4	Common Emitter input-output Characteristics.
5	MOSFET Drain current and Transfer Characteristics.
6	Frequency response of CE and CS amplifiers
7	Frequency response of CB and CC amplifiers.
8	Frequency response of Cascode Amplifier
9	CMRR measurement of Differential Amplifier
10	Class A Transformer Coupled Power Amplifier


PRINCIPAL
 MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
 363, ARCOT ROAD, KODAMBAKKAM
 CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi)

Affiliated to Anna University, Chennai

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



ECE LAB 6- DIGITAL SIGNAL PROCESSING LAB

LIST OF EXPERIMENTS (R2021)

Sub Code: EC 3492

YEAR/SEM:II/IV

Sub Name: Digital Signal Processing Laboratory

S.NO	Name of The Experiments
1	GENERATION OF SIGNALS
2	COMPUTATION OF LINEAR CONVOLUTION WITH AND WITHOUT FUNCTION
3	COMPUTATION OF CIRCULAR CONVOLUTION WITH AND WITHOUT FUNCTION
4	COMPUTATION OF AUTO CORRELATION AND CROSS CORRELATION
5	CALCULATION OF FAST FOURIER TRANSFORM OF A SIGNAL
6	COMPUTATION OF LINEAR CONVOLUTION USING FAST FOURIER TRANSFORM
7	COMPUTATION OF CIRCULAR CONVOLUTION USING FAST FOURIER TRANSFORM
8	MAGNITUDE AND PHASE PLOT FOR FAST FOURIER TRANSFORM
9	VERIFICATION OF SAMPLING THEOREM
10	DESIGN OF INFINITE IMPULSE RESPONSE (IIR) FILTERS
11	DESIGN OF FINITE IMPULSE RESPONSE (FIR) FILTERS
	DSP PROCESSOR PROGRAMS
12	ADDITION OF TWO 16 BIT NUMBERS
13	SUBTRACTION OF TWO 16 BIT NUMBERS
14	MULTIPLICATION OF TWO 16 BIT NUMBERS
15	EXCHANGE A BLOCK OF DATA
16	IMPLEMENTATION OF LINEAR CONVOLUTION
17	WAVEFORM GENERATION


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



ECE LAB 3- COMMUNICATION LAB

LIST OF EXPERIMENTS (R2021)

Sub Code: EC 3461

YEAR/SEM:II/IV

Sub Name: Communication Systems Laboratory

S.NO	List of The Experiments
1	AM- Modulator and Demodulator
2	FM - Modulator and Demodulator
3	Pre-Emphasis and De-Emphasis.
4	Signal sampling and TDM.
5	Pulse Code Modulation and Demodulation.
6	Pulse Amplitude Modulation and Demodulation.
7	Pulse Position Modulation and Demodulation and Pulse Width Modulation and Demodulation.
8	Digital Modulation – ASK, PSK, FSK.
9	Delta Modulation and Demodulation.
10	Simulation of ASK, FSK, and BPSK Generation and Detection Schemes.
11	Simulation of DPSK, QPSK and QAM Generation and Detection Schemes.
12	Simulation of Linear Block and Cyclic Error Control Coding Schemes.

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
 CHENNAI-600 024
 363, ARCO ROAD, KODAMBAKKAM
 CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

ESTABLISHED BY THE T. SUNDARARAJAN FOUNDATION, CHENNAI

ACCREDITED BY THE ALL INDIA ENGINEERING COUNCIL

ACCREDITED BY NBAE WITH 'A' GRADE AND WITH 50% EXCELLENCE ACHIEVEMENT

ACCREDITED BY AICTE WITH 50% & 50% EXCELLENCE

363, Arcot Road, Kodambakkam, Chennai - 600 024, Tamil Nadu, India



ECE LAB 6- VLSI/ DSP LAB

LIST OF EXPERIMENTS

Sub Code: EC3561

YEAR /SEM : III/ VI

Sub Name: VLSI Laboratory

S.NO	Experiments
1	Design of basic combinational and sequential (Flip-flops) circuits using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA
2	Design an Adder ; Multiplier (Min 8 Bit) using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA
3	Design and implement Universal Shift Register using HDL. Simulate it using Xilinx/Altera Software
4	Design Memories using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA
5	Design Finite State Machine (Moore/Mealy) using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA
6	Design Finite State Machine (Moore/Mealy) using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA
7	Design 4-bit Asynchronous up/down counter using HDL. Simulate it using Xilinx/Altera Software and implement by Xilinx/Altera FPGA
8	Design and simulate a CMOS Basic Gates & Flip-Flops. Generate Manual/Automatic Layout
9	Design and simulate a 4-bit synchronous counter using a Flip-Flops. Generate Manual/Automatic Layout
10	Design and Simulate a CMOS Inverting Amplifier.
11	Design and Simulate basic Common Source, Common Gate and Common Drain Amplifiers.
12	Design and simulate simple 5 transistor differential amplifier.



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.J.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(B) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



ECE LAB 5 - MICROCONTROLLER & MICROPROCESSOR LAB/ EMBEDDED SYSTEM LAB

LIST OF EXPERIMENTS (R2021)

Sub Code: :ET3491

YEAR/SEM:IV/VII

Sub Name: EMBEDDED SYSTEMS AND IOT DESIGN LAB

S.NO	List of The Experiments
1	Study of ARM evaluation system.
2	Interfacing ADC and DAC.
3	Interfacing LED and PWM.
4	Interfacing real time clock and serial port.
5	Interfacing keyboard and LCD.
6	Interfacing EPROM and interrupt.
7	Mailbox.
8	Interrupt performances characteristics of ARM and FPGA.
9	Flashing of LEDS.
10	Interfacing stepper motor and temperature sensor.
11	Implementing zigbee protocol with ARM.

PYTHON DATA STRUCTURE AND OPERATING SYSTEMS LAB



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi)

Affiliated to Anna University, Chennai.

Accredited by NAAC with 'A' grade and NBA for programs applied.

Recognized by UGC with 2(F) & 12(B) status

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



LAB 1-MABS07

PYTHON, DATA STRUCTURE AND OPERATING SYSTEM LAB

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



MEBT05- LAB 6-BIG DATA ANALYTICS, DATA EXPLORATION AND VISUALIZATION LAB

VENUE:MECHANICAL BLOCK 3RD FLOOR

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM, CHENNAI-600 024
PRINCIPAL



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

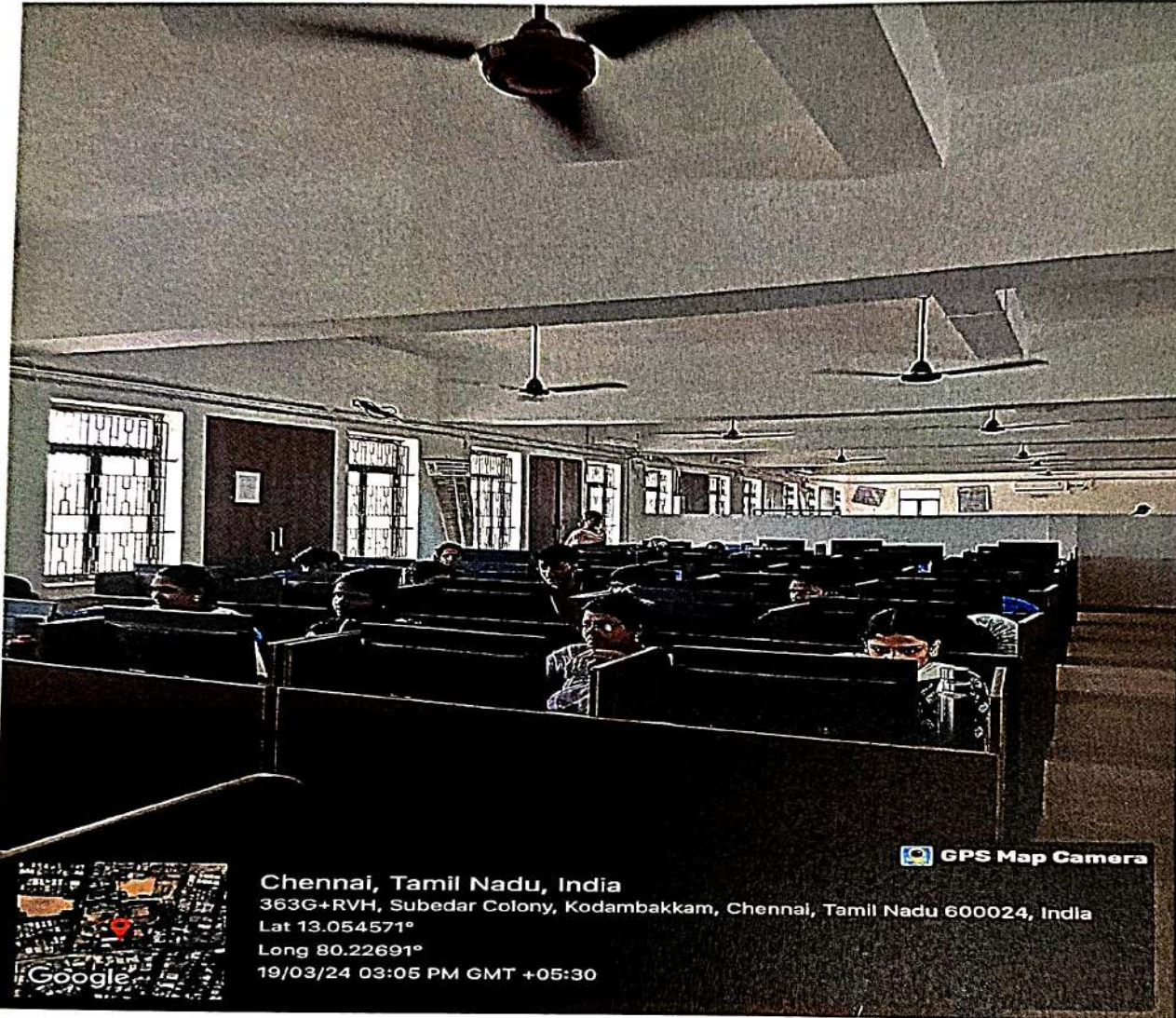
Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)



363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



GPS Map Camera

Chennai, Tamil Nadu, India

363G+RVH, Subedar Colony, Kodambakkam, Chennai, Tamil Nadu 600024, India

Lat 13.054571°

Long 80.22691°

19/03/24 03:05 PM GMT +05:30



MEBT04-AI&DS LAB-5 DATABASE DESIGN AND MANAGEMENT LABORATORY,COMPUTER NETWORKS
VENUE:MECHANICAL BLOCK 3RD FLOOR

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI 600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

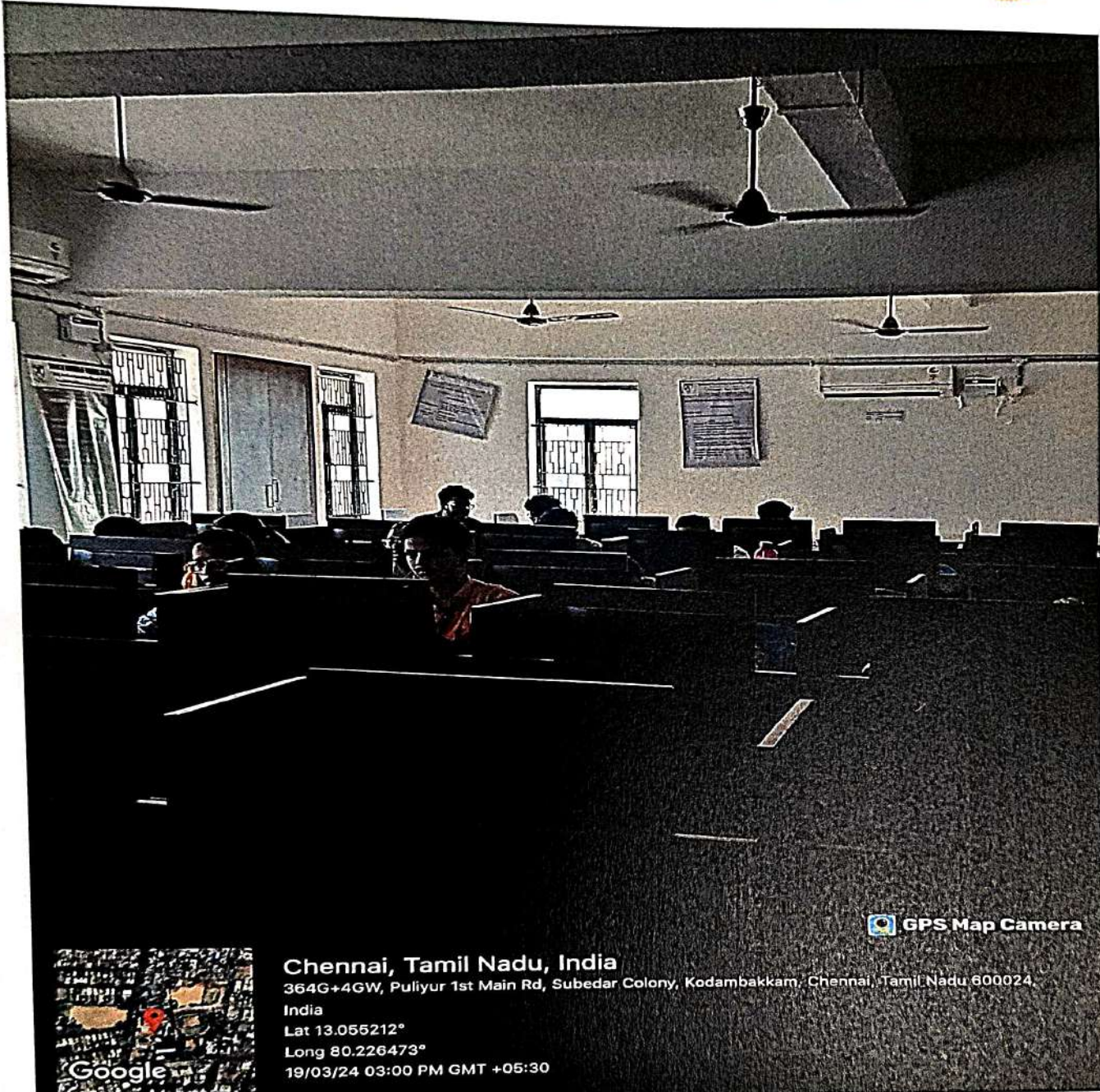
(Managed by I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



GPS Map Camera



Chennai, Tamil Nadu, India

364G+4GW, Puliur 1st Main Rd, Subedar Colony, Kodambakkam, Chennai, Tamil Nadu 600024, India

Lat 13.055212°

Long 80.226473°

19/03/24 03:00 PM GMT +05:30

MEBT02-AI&DS LAB-3 ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING LAB

VENUE: MECHANICAL BLOCK 3RD FLOOR



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

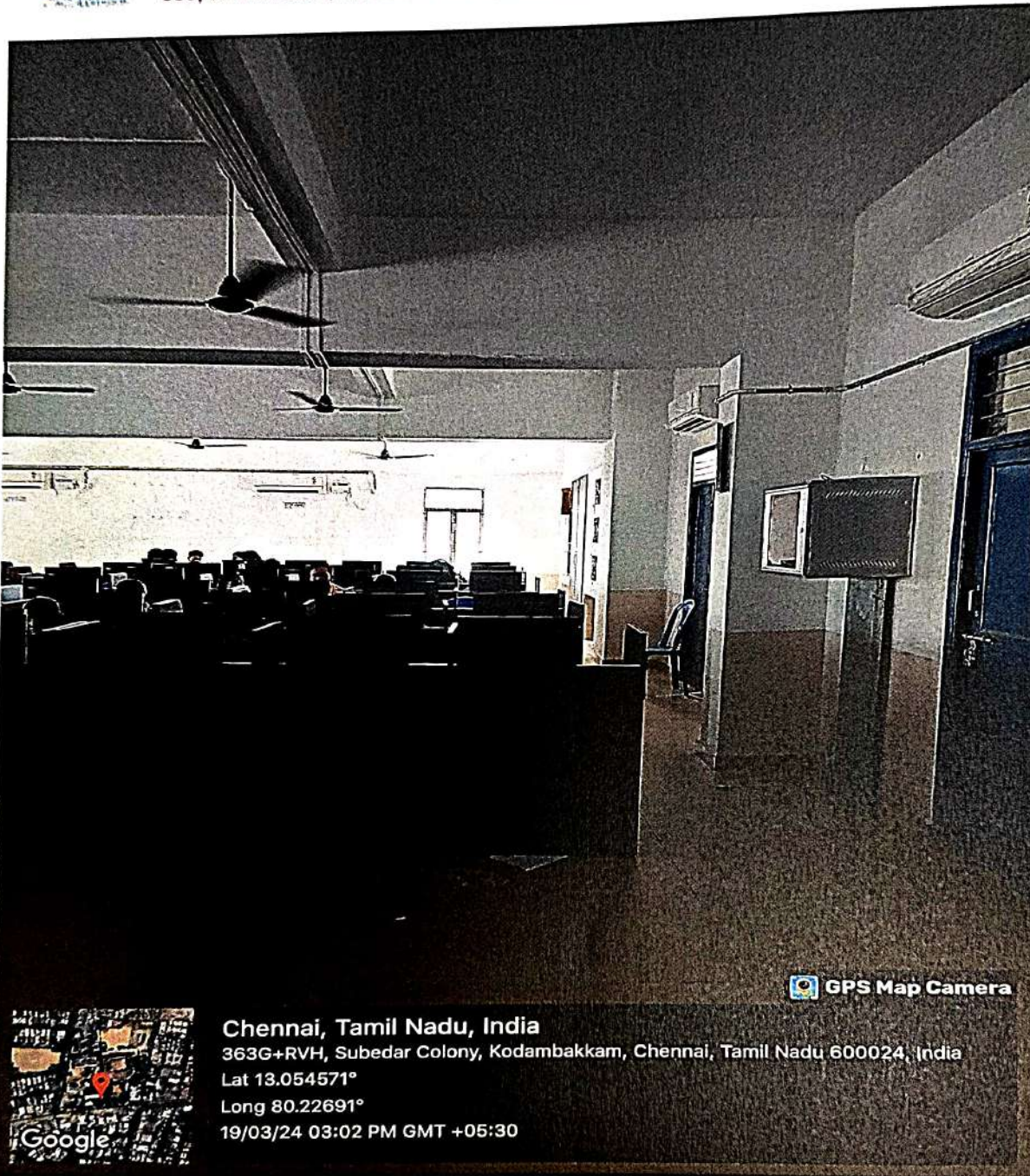
(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(F) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



GPS Map Camera



Chennai, Tamil Nadu, India

363G+RVH, Subedar Colony, Kodambakkam, Chennai, Tamil Nadu 600024, India

Lat 13.054571°

Long 80.22691°

19/03/24 03:02 PM GMT +05:30

MEBT03-AI&DS LAB-4 DATA SCIENCE AND DEEP LEARNING LAB
VENUE: MECHANICAL BLOCK 3RD FLOOR


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



2.2 INTERNSHIP/INPLANT TRAINING

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

DEPARTMENT OF EEE

2022-2026 BATCH INTERNSHIP DETAILS

Year/Sem: II/III		ACADEMIC YEAR:2023-2024		
S.NO	REGISTRATION NO.	NAME OF THE STUDENT	COMPANY NAME	No Of Days
1	311522105001	AADITH DILIPAN	CODE BIND TECHNOLOGIES	5 DAYS
2	311522105002	ABDUL MUSRAF . C	ACCENTURE (ONLINE)	3 DAYS
3	311522105003	AKASH. M	ACCENTURE (ONLINE)	3 DAYS
4	311522105004	ANIRUDH PRABHU K	CHENNAI PORT	5 DAYS
5	311522105005	ANITHA. M	GLOBAL TECHNO SOLUTIONS	6 DAYS
6	311522105007	ARJUN . V	ACCENTURE (ONLINE)	3 DAYS
7	311522105009	DHARSHINI S	CODE BIND TECHNOLOGIES	5 DAYS
8	311522105010	ELANGO VAN.S	CODE BIND TECHNOLOGIES	5 DAYS
9	311522105011	GNANADURGA .A	CODE BIND TECHNOLOGIES	5 DAYS
10	311522105012	HARI.D	ACCENTURE (ONLINE)	3 DAYS
11	311522105013	HEMNATH . M	CHENNAI PORT	5 DAYS
12	311522105014	JEEVITHA D	GLOBAL TECHNO SOLUTIONS	6 DAYS
13	311522105018	KAVIN GIRISH K	CHENNAI PORT	5 DAYS
14	311522105019	KAVIYA V	CODE BIND TECHNOLOGIES	5 DAYS
15	311522105020	KEERTHANA R	GLOBAL TECHNO SOLUTIONS	6 DAYS



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

ESTABLISHED IN 1983, KODAMBESKAM, CHENNAI - 600 024, TAMIL NADU, INDIA

APPROVED BY THE DISTRICT ENGINEERING COLLEGE

ACCREDITED BY AICTE WITH 'C' GRADE AND BBA BY UNIVERSITY APPLICABLE

ACCREDITED BY AICTE WITH 'B' GRADE AND BBA BY UNIVERSITY APPLICABLE

363, Arcot Road, Kodambakkam, Chennai - 600 024, Tamil Nadu, India



16	311522105021	KISHORE.R	ACCENTURE (ONLINE)	3 DAYS
17	311522105022	LOKESHWARI M	GLOBAL TECHNO SOLUTIONS	6 DAYS
18	311522105025	MOHAMMED SHAJITH . A	CHENNAI PORT	5 DAYS
19	311522105027	MUKESH KUMAR.S.P	CODE BIND TECHNOLOGIES	5 DAYS
20	311522105028	NAVEEN B	ACCENTURE (ONLINE)	3 DAYS
21	311522105029	NIVETHA P	GLOBAL TECHNO SOLUTIONS	6 DAYS
22	311522105032	PRAHARSHIDHA . A	CODE BIND TECHNOLOGIES	5 DAYS
23	311522105033	PRANAVEEGA K.S	GLOBAL TECHNO SOLUTIONS	6 DAYS
24	311522105035	SAI PRANITH T.R	CODE BIND TECHNOLOGIES	5 DAYS
25	311522105038	SANDHYA GANESAN	CODE BIND TECHNOLOGIES	5 DAYS
26	311522105039	SANTHIYA M	CODE BIND TECHNOLOGIES	5 DAYS
27	311522105040	SAROJINI S	GLOBAL TECHNO SOLUTIONS	6 DAYS
28	311522105042	SUBASHREE . S	GLOBAL TECHNO SOLUTIONS	6 DAYS
29	311522105043	SURENDHAR KUMAR S	CODE BIND TECHNOLOGIES	5 DAYS
30	311522105044	SURIYA.S	ACCENTURE (ONLINE)	3 DAYS
31	311522105047	TARUN AADITH A	CHENNAI PORT	5 DAYS
32	311522105048	VARSHA.N	CODE BIND TECHNOLOGIES	5 DAYS
33	311522105049	VARUN RAJ.C	ACCENTURE (ONLINE)	3 DAYS
34	311522105051	VIGNESH .S	ACCENTURE (ONLINE)	3 DAYS
35	311522105052	VIGNESWARAN J	ACCENTURE (ONLINE)	3 DAYS



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.E.T Society, Approved by AICTE, New Delhi)

Affiliated to Anna University, Chennai.

Accredited by NAAC with 'A' grade and NBA for programs applied.

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



36	311522105053	VIGNESWARI JAYA	CODE BIND TECHNOLOGIES	5 DAYS
37	311522105054	VINOBALA M	GLOBAL TECHNO SOLUTIONS	6 DAYS
38	311522105056	VISHNU C	CODE BIND TECHNOLOGIES	5 DAYS


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
(Managed by I.J.E.T Society, Approved by AICTE, New Delhi)

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



DEPARTMENT OF ECE

2022-2026 BATCH INTERNSHIP DETAILS

ACADEMIC YEAR:2023-2024

311522106018	BARATHE	CHENNAI PORT	04.03.24	09.03.24	6
311522106028	SHITA VENKATE	CHENNAI PORT	04.03.24	09.03.24	6
311522106051	K.S.KISHORE	CHENNAI PORT	04.03.24	09.03.24	6
311522106029	GAYATHRI G	CHENNAI PORT	06.03.24	12.03.24	6
311522106017	S.CHATHANYA	CHENNAI PORT	06.03.24	12.03.24	6
311522106026	DIVYALAKSHMI V	CHENNAI PORT	06.03.24	12.03.24	6
311522106041	JEEVITHA P	CHENNAI PORT	06.03.24	12.03.24	6
311522106303	mohammed anfal	CHENNAI PORT	04.03.24	09.03.24	6
311522106036	HARINI.M	CHENNAI PORT	06.03.2024	12.03.2024	6
311522106062	MEERAK	CHENNAI PORT	06.03.2024	12.03.2024	6
311522106304	IP NAVIN KUMAR	CHENNAI PORT	04.03.24	09.03.24	6
311522106048	VIYA CATHERINE	CHENNAI PORT	06.03.2024	12.03.2024	6
311522106039	KRATH SULTHAN	CHENNAI PORT	04.03.24	09.03.24	6
311522106030	R.GOSIKA	CHENNAI PORT	04.03.24	09.03.24	6
311522106054	A.K.KRITHIKA	CHENNAI PORT	04.03.24	09.03.24	6
311522106033	L.HARIHARAN	CHENNAI PORT	04.03.24	09.03.24	6
311522106027	B dhwakar	CHENNAI PORT	04.03.24	09.03.24	6
311522106011	ASRIN SHAMA S	CHENNAI PORT	04.03.24	09.03.2024	6
311522106035	HARINI.J	CHENNAI PORT	04.03.24	09.03.24	6
311522106022	JEEPA SHREE J	CHENNAI PORT	04.03.24	09.03.24	6
No of students interned at Chennai port authority : 20					
311522106014	Barath.A	INTARM TECHN	02.03.2024	20.03.2024	18
311522106024	Jhanush Kumar	INTARM TECHN	02.03.2024	20.03.2024	18
311522106040	Jaisurya.S	INTARM TECHN	02.03.2024	20.03.2024	18
311522106001	AADHITYA S.V	INTARM TECHN	02.03.2024	20.03.2024	18
311522106013	UASUNDHARAJ	INTARM TECHN	02.03.2024	20.03.2024	18
No of students interned at Intarm technologies : 5					
311522106008	MAKSHITHA	RAI TEL	04.03.2024	07.03.2024	4
311522106037	HARSHA VARDH	RAI TEL	04.03.2024	07.03.2024	4
311522106009	V.AJAYUTHA	RAI TEL	04.03.2024	07.03.2024	4
No of students interned at RaiTel : 3					
311522106045	KARTHIKEYAN C	EMPOWER GUII	16.02.2024	17.03.2024	31
311522106006	Aishwarya.T	ENTRE	16.02.2024	17.03.2024	31
311522106021	Dakshna Sree E	EMPOWER GUII	16.02.2024	17.03.2024	31
No of students interned at Empower guiding centre : 3					
311522106001	AADHITYA S.V	ASHOK LEYLAN	07.03.24	15.03.24	8



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,


Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



REGISTRATION NAME	Company name	completion stat	duration	from	to	course
311522106031	Gollapudi varshir Elewayte	completed	2 months	24th march 2024	24th april 2024	cyber security
311522106081	Prem Kumar.M Elewayte	completed	2 months	march	april	embedded system
311522106091	sai prasath B Elewayte	completed	2 monthss	march	april	web development
311522106096	SANGAMITRA Elewayte	completed	2 months	march	april	web development
311522106097	saravana kumar s Elewayte	completed	2 monthss	march	april	digital marketing
311522106100	shayamala.J Elewayte	completed	2 monthss	march	april	cybersecurity
311522106103	srinidhi A Elewayte	completed	2 monthss	march	april	java
311522106104	SRINIVASA KR Elewayte	completed	2 monthss	march	april	iot
311522106105	SRI RAKSHITHI Elewayte	completed	2 monthss	march	april	ai
311522106106	SRIRAM BHAS Elewayte	completed	2 monthss	march	april	iot
311522106107	SRITHARSHINI Elewayte	completed	2 monthss	march	april	digital marketing
311522106109	SUGUMAR D Elewayte	completed	2 monthss	march	april	digital marketing
311522106112	SUTHARSAN V Elewayte	completed	2 monthss	march	april	iot
311522106116	THEJASREE Y Elewayte	completed	2 monthss	march	april	web development
311522106121	VISHAL G B Elewayte	completed	2 monthss	march	april	embedded system
TOTAL NO OF STUDENTS ATTENDED INTERNSHIP IN ELEWAYTE IS 15						
311522106075	PADMA PRIYA CR Technologies	completed	1 month	15th February 20	15th march 2024	web development
311522106086	RIONA JERCY I CR Technologies	completed	1 month	15th February 20	15th March 2024	AI
311522106088	SABRIN MEELIN CR Technologies	completed	1 month	15th February 20	15th March 2024	AI
311522106118	VAISHALI B CR Technologies	completed	1 month	15th February 20	15th March 2024	web development
TOTAL NO OF STUDENTS ATTENDED IN CR TECHNOLOGIES IS 4						
311522106108	SUDIARSAN N Codebind Techno	completed	10 days	29th Feb 2024	9th March 2024	Embedded Systems
311522106077	PERANANDAN Codebind Techno	completed	10 days	29th Feb 2024	9th March 2024	Embedded Systems
TOTAL NO OF STUDENTS ATTENDED INTERNSHIP CORDEBIND TECHNOLOGY IS 2						
311522106093	SAISRINIVAS K ADAOVI	NOT COMPLETED				
311522106087	RITHIKA ROSH ADAOVI	NOT COMPLETED				


PRINCIPAL
 MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
 363, ARCOT ROAD, KODAMBAKKAM
 CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(F) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India




PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(F) & 12(B) status)



363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



CERTIFICATE OF COMPLETION

This is to acknowledge that

DAKSHNA SREE E

has successfully completed Hands-on Internship and Web Development project offered by the Empower Guiding Centre.

By completing this internship, the holder of this certificate has gained valuable insights and skills that contribute to professional growth.

Rajai Shankar
Founder, Empower Guiding Centre



Santhosh
Mentor, Empower Guiding Centre

Empower Guiding Centre

INTERNSHIP DURATION

FROM
16 FEBRUARY 2024
TO
17 MARCH 2024



Empower Guiding Centre

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



EMPOWER GUIDING CENTRE

CERTIFICATE OF COMPLETION



This is to certify that

AARTHI A P

has successfully completed Java Internship including project from **February 14 2024 To March 15 2024** with the assistance of the mentor from our firm. The performance exhibited by her during the internship was **Commendable**.

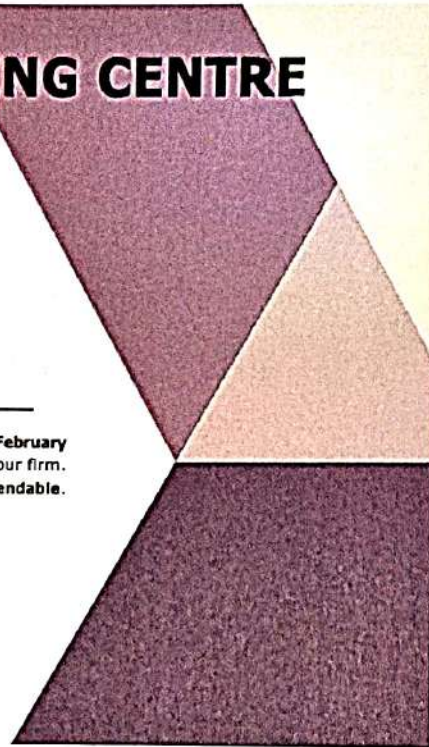
RAJAISHANKAR

Founder,
Empower Guiding Centre



DHIVYAPRIYAR

Mentor,
Empower Guiding Centre




PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBARKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



INTERNSHIP CERTIFICATE OF APPRECIATION

GLADY PRESENTED TO

ANJANA RAO. S

FOR AN EXCELLENT PERFORMANCE

Is Certified in WEB DESIGN and Successfully completed all Requirement and Criteria and said Certificate through Examination by SHANTHI IT SOLUTION

DURATION : 1 MONTH FROM : 10/03/2024 - 10/04/2024



Mohammed Imthiyas. M.I
Chief Trainer



Akila. G
Head Of Training


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by J.E.T Society, Approved by AICTE, New Delhi)

Affiliated to Anna University, Chennai.

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(F) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



Career Development

CERTIFICATE OF COMPLETION

This is to certify that

MR. SARAN N (REG NO: 311521104050)

has Successfully Completed

Internship / Inplant training in BLOCK CHAIN from 23/06/23 to 23/07/23

During the training period the performance of the trainee was found to be excellent.

Congratulations on your hard work! keep shining!



Jayalakshmi S
Vice president



PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by L.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(F) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



2.3 INDUSTRIAL VISIT

INDUSTRIAL VISIT PHOTOS



Place Visited: EASUN MR, Thirubuvanai, Pondicherry
Date of Visit :16.09.2023

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.E.T Society, Approved by AICTE, New Delhi)

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



 GPS Map Camera



Edaiyur, Tamil Nadu, India
G5Q7+3H, Edaiyur, Tamil Nadu 603102, India
Lat 12.537883°
Long 80.164411°
15/09/23 02:59 PM GMT +05:30

Place of Visit: BHAVINI Atomic Power Station (Kalpakkam)

Date of Visit: 15.09.2023

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



Thirubhuvanai, Puducherry, India

WMG4+W32, Perumal Koil Street, Thirubhuvanai, Puducherry 605107, India

Lat 11.927429°

Long 79.654716°

19/11/22 02:23 PM

Place Visited: EASUN MR, Thirubhuvanai, Pondicherry
Date of Visit :19.11.2023


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

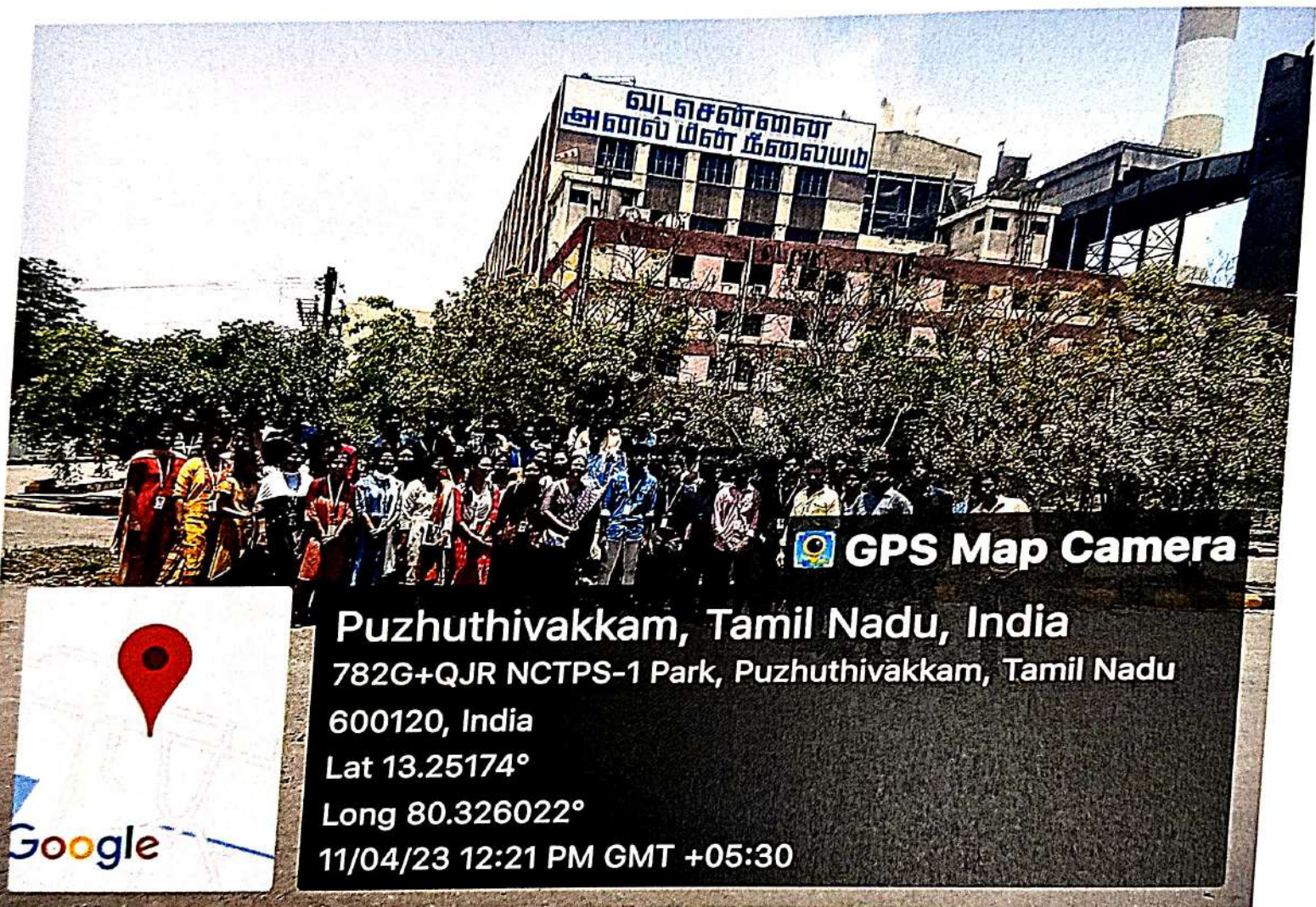
(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



 **GPS Map Camera**

Puzhuthivakkam, Tamil Nadu, India

782G+QJR NCTPS-1 Park, Puzhuthivakkam, Tamil Nadu

600120, India

Lat 13.25174°

Long 80.326022°

11/04/23 12:21 PM GMT +05:30



Place of Visit: North Chennai Thermal Power Station(NCTPS), Chennai
Date of Visit: 11.04.2023


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by L.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(D) status)

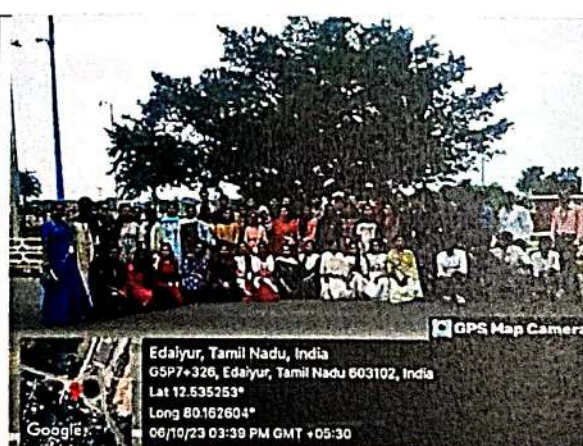
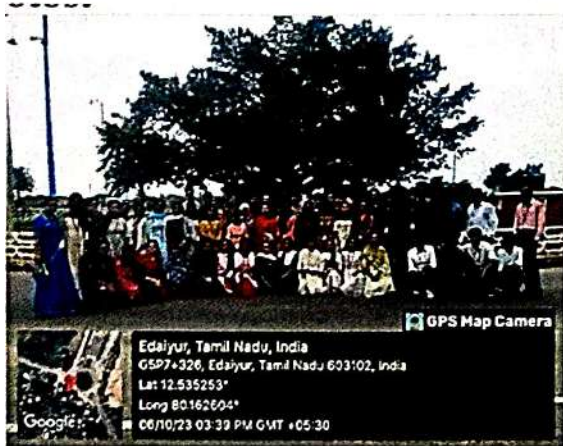


363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



Industrial visit – Xerago Technologies

III Year CSE (Batch 2021-2025)



PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,
Affiliated to Anna University, Chennai.)

Accredited by NAAC with 'A' grade and NBA for programs applied,
Recognized by UGC with 2(F) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



Place of visit: Kalpakkam Thermal Power Plant, Chennai.

Date of Visit:06.10.2023

Department:ECE



Place of visit: Doordarshan, Puducherry

Date of Visit:16.03.2024

Department:ECE

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COL
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARAJAN ENGINEERING COLLEGE

(Managed by J.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and MBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)



363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India

4 PROJECTS

Academic Year:2023-2024 (EVEN)

Batch:2020-2024 Class:IV CIVIL Semester :08

CE8811 - PROJECT WORK

BATCH NO	REGISTRATION NO	NAME OF THE STUDENT	PROJECT TITLE	INTERNAL GUIDE NAME	EXTERNAL GUIDE NAME/CONTACT NUMBER	ORGANIZATION /WHERE THE PROJECT WORK IS GOING TO BE DONE/CONTACT NUMBER															
1	3115 20103001	Aarthi priya N	Design and analysis of steel warehouse using staad pro v8i software	Mrs.U.Nirmalambal	Karthikeyan (Structural Design engineer - 9444046245	GK structuralis															
	3115 20103012	Jasheka V					2	3115 19103002	Abishek Raj M	Rainfall analysis and hydrological study	Dr.R.Arivazhagan	Sivakumar. A (Consultant)- 9884221047	Environmental and geo spatial solutions - 044-42719815	311520103004	Athamakar Eshwara Srikar	3115 19103018	Nishanth S	3	3115 20103003	Aravintakshan M	Topographical survey and Estimation of Road
2	3115 19103002	Abishek Raj M	Rainfall analysis and hydrological study	Dr.R.Arivazhagan	Sivakumar. A (Consultant)- 9884221047	Environmental and geo spatial solutions - 044-42719815															
	311520103004	Athamakar Eshwara Srikar																			
	3115 19103018	Nishanth S																			
3	3115 20103003	Aravintakshan M	Topographical survey and Estimation of Road	Mr.Saravanan	Murali KrishnaManaging director- 9500009254	RM Construction															
	3115 20103006	Deepak C H																			



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.J.E.T. Society, Approved by AICTE, New Delhi)



Affiliated to Anna University, Chennai

Accredited by NAAC with 'A' grade and NBA for programs applied.

Recognized by UGC with 2(F) & 12(B) status



363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India

4	3115 20103008	Guhan N	Sustainable Materials in Construction	Mrs.Eswari Devi	Anandh (PWD)- 6381428400	Annai Fathima construction - 7667605149
	3115 20103005	Chandardibala M				
	3115 20103017	Niranjjan P S				
	3115 20103016	Mohanraj E				
5	3115 20103007	Dharaneeshwar an K S	Assessment on hydraulics and stability of inlet mouth of pulicat lake	Dr.R.Arivazhagan	R.C.Bragath (Project Lead)- 9789767686	Indomer coastal hydraulics (p) Ltd.
	3115 20103025	Vignesh K				
	3115 20103301	Karthikeyan S				
	3115 20103010	Harjeeth Edbert A C				
6	31152010301 9	Shaik zubair R	Partial replacement of brick and concrete with RHA and PET	Mrs.Malini gayathiri	R Ashok kumar (Site engineer) - 6379175321	Annai fathima construction - 9841605149
	3115 20103013	Jeyakeerthi K				
	3115 20103015	Kokila priya S				
7	3115 20103024	Thenmozhi S	Noise absorbing composite using agro waste products	Dr.M.Ponni	Anirudha (MD)- 98846661122	
	3115 20103020	Shanga Melvin I R				
	3115 20103023	Sudasha Mithran.R				
8	3115 20103020	Shanga Melvin I R	Design of Formwork and scaffolding requirements in a residential building	Mr.Siva kumar	Shanmuga.M.V (Senior Engineer	RMD kwikform - 044- 66933300
	3115 20103023	Sudasha Mithran.R				

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKAM
CHENNAI-600 024



3115 20103302	Kumerasan G			Manager)- 9940103545	
9	Joel jayaraj M	Natural draft Cooling tower	Mr.Raja	Murali (AE)- 9487565991	Ennore SEZ Super thermal Power Project [2x660 mw]
	Sibi charavarthy R K				
10	Subadra M	Design of sewage treatment plant in campus	Mr.Ravi kumar	Saravan Narayan (MD)- 861002643	Saravan Aathi constructions, Mettukupair
	Roshinee Begum A K				

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING (ECE-A)

BATCH (2020 - 24) SEMESTER VIII PROJECT DETAILS

TEAM NO	TITLE OF THE PROJECT	REG NO	TEAM MEMBERS	GUIDE
1	Enhanced Security with Precise Weapon Detection using Yolov8	311520106012	CHITRA BANU A	Ms. Siji Sivanandan
2	Secured file sharing based on Steganography and Cryptography	311520106001 311520106035	AARTHI B JOSHETHA S	Dr. A. Babiyola
3	Vlsi Implementation of High speed adaptive filters for Speech enhancement	311520106046 311520106052 311520106002	LATEKA G NAVYA G AISHWARYA G	Mr. S. Balasubramanian
				PRINCIPAL, MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE 363, ARCOT ROAD, KODAMBAKKAM, CHENNAI-600 024

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T. Society, Approved by AICTE, New Delhi)

Affiliated to Anna University, Chennai

Accredited by NAAC with 'A' Grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status

363, Arcot Road, Kodambakkam, Chennai - 600 024, Tamil Nadu, India



4	Booth Encoding Based Energy Efficient Multipliers For Deep Learning	311520106003	AJITH KUMAR V	Mr. S. Satheesh Kumar
5	Paddy leaves disease identification using deep learning techniques	311520106004	AKASH P	Dr. Joseph Sathiadhas Esra
6	A Multistage Amplification-Based Rx-Tx System with Integrated Patch Antenna	311520106044	KIRAN M	Mrs. N. Meenakshi
7	X-Ray based classification of diseases	311520106049	MUTHUKUMARAN M	Mr. A. Veju
8	AUTONOMOUS NAVIGATION ROVER	311520106006	ARUL DAKSHIN K V	Mrs. N. Meenakshi
9	Novel and hybrid frameworks for attack detection and secure transmission in manet	311520106007	ASHOK CHANDER S	Mr. A. Veju
10	Chatbot Conversation through Hgbrid NLP: Integrating Long Short Term Memory and Random Forest Model	311520106043	KENNETH DAVE MATHEW J	Mrs. N. Meenakshi
11	An Automated Power Generation in Electric Vehicles	311520106032	JAYACHANDAR P	Mr. A. Veju
12		311520106008	BALAJI P	Mrs. N. Meenakshi
		311520106026	HRSHIKESH G	Mrs. N. Meenakshi
		311520106042	KEERTHI RAJA P	Mrs. R. Lakshmi
		311520106039	KARTHIKEYAN M	Mrs. S. Sowmya
		311520106009	BARATH RAO J	Mrs. S. Sowmya
		311520106302	DHILLI BABU P B	Mr. R. Vinoth Kumar
		311520106010	BHAVANI S	Mrs. K. Sasikala
		311520106050	MYTHILY V	PRINCIPAL
		311520106020	GAYATHRI S	MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
		311520106011	CHARUMATHI A	363, ARCOT ROAD, KODAMBAKKAM
		311520106014	DARANIYA S	CHENNAI-600 024
		311520106017	DRISHYA SATHEESH	
		311520106024	HARISH DEEPAK K J	
		311520106019	GANESH A	
		311520106013	CHITTRARASU C	
		311520106031	JANANI N	



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T. Society, Approved by AICTE, New Delhi)

Affiliated to Anna University, Chennai.



Accredited by NBA with 'A' grade and NBA for programs applied.

Recognized by UGC with 2(F) & 12(B) status

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



	Next Generation Electronic-Waste Management System	311520106015	DEEKSHANYA G	
13	Implementation of area efficient multiplier accelerator for post quantum cryptography	311520106027	HUMERA FATHIMA I	Mr. G. Annamalai
		311520106016	DEEPA J	
		311520106018	DURGA DEVI P	
14	Diagnosis of Peripheral Arterial Disease Using Xilinx	311520106301	AJIITH KUMAR A	Dr. M. Rajendran
		311520106021	GUNASEKAR V	
15	IOT ENHANCED MEDICATION DISPENSER WITH REAL TIME MONITORING	311520106023	HARINI S	Mr. R. Vinoth Kumar
		311520106030	JANANI M	
16	NETWORK TRAFFIC CYBER ATTACKS CLASSIFICATION USING SUPERVISED MACHINE LEARNING TECHNIQUES	311520106022	HARINI A K S	Mrs. P. Saranya
		311520106028	IRFAN AHAMED A	
		311520106029	JAGADEESH B	
17	IMPLEMENTATION OF QAM MODULATION AND DEMODULATION FOR 5G	311520106045	LAKSHAN KARTHIK S K	Mr. R. Vinoth Kumar
		311520106041	KAVIYA G	
		311520106037	KAIVIYA P	
18	MONITOR AND ENFORCE ROAD SAFETY REGULATIONS DETECTION USING DEEP LEARNING	311520106033	JERIN VICTORIA D	Mrs. N.Selvarani
		311520106034	JOEITA PRIYADHARSHINI A	
		311520106048	MONIKA PRIYADHARSHINI G	
19	ACCIDENT DETECTION AND ALERT HELMET	311520106038	KANNAN S	Mr. R. Arif
		311520106036	JOTHAM ISAAC JESUDASAN	
		311520106040	KAVI SHEKHAR	
20	FISHERMAN BORDER ALERT SYSTEM USING NRF AND GPS TECHNOLOGY	311520106053	NIRMAL KUMAR S	Ms. Siji Sivanandan
		311520106051	NAVEEN RAJ K	
		311520106047	MOHAMMED FAWWAZ S	

PRINCIPAL

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi.

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(II) status)



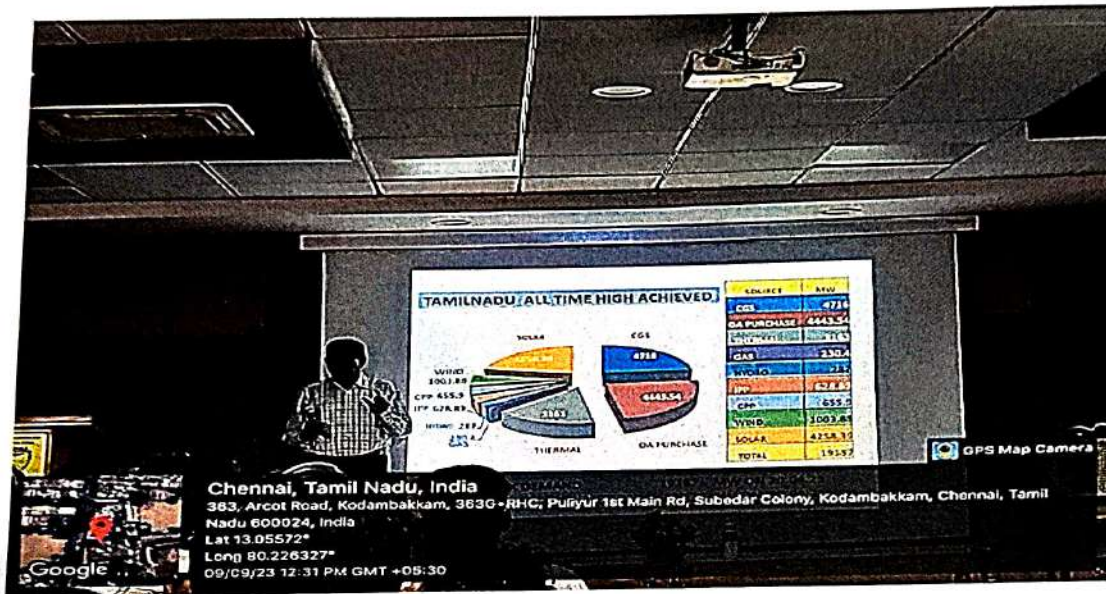
363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



3.0 PARTICIPATIVE LEARNING

3.1 GUEST LECTURE

DEPARTMENT OF EEE



PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



DEPARTMENT OF IT

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
100, ARCOT ROAD, KODAMBAKKAM, CHENNAI-600 024
APPROVED BY AICTE, APPROVED BY AICTE, NEW DELHI, APPROVED BY AICTE, NEW DELHI
AFFILIATED TO ANNA UNIVERSITY, CHENNAI
ACCREDITED BY NAAC WITH 'A' GRADE AND NBA FOR PROGRAMS APPLIED
DEPARTMENT OF INFORMATION TECHNOLOGY

GUEST LECTURE

ON FREE COMPUTE SERVICE ON AWS

.....

SATURDAY
09 September 2023

TIME
11:30Am-1:00Pm

VENUE
IT Seminar Hall

SPEAKERS
Karthick &
Mohammed Aashiq
System Architects @
GLOBAL AEROSPACE LOGISTICS, DUBAI

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

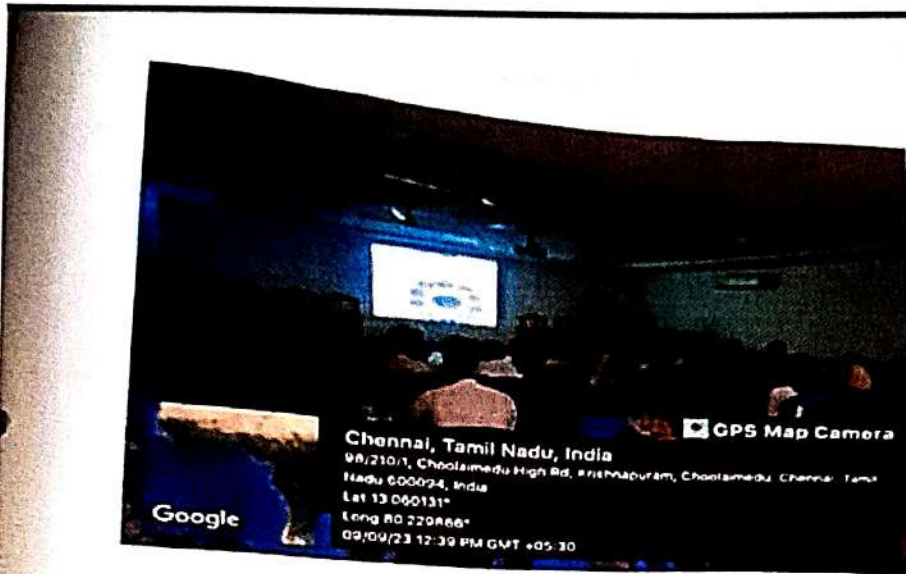
(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India





MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



DEPARTMENT OF CSE




 PRINCIPAL
 MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
 363, ARCOT ROAD, KODAMBAKKAM
 CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

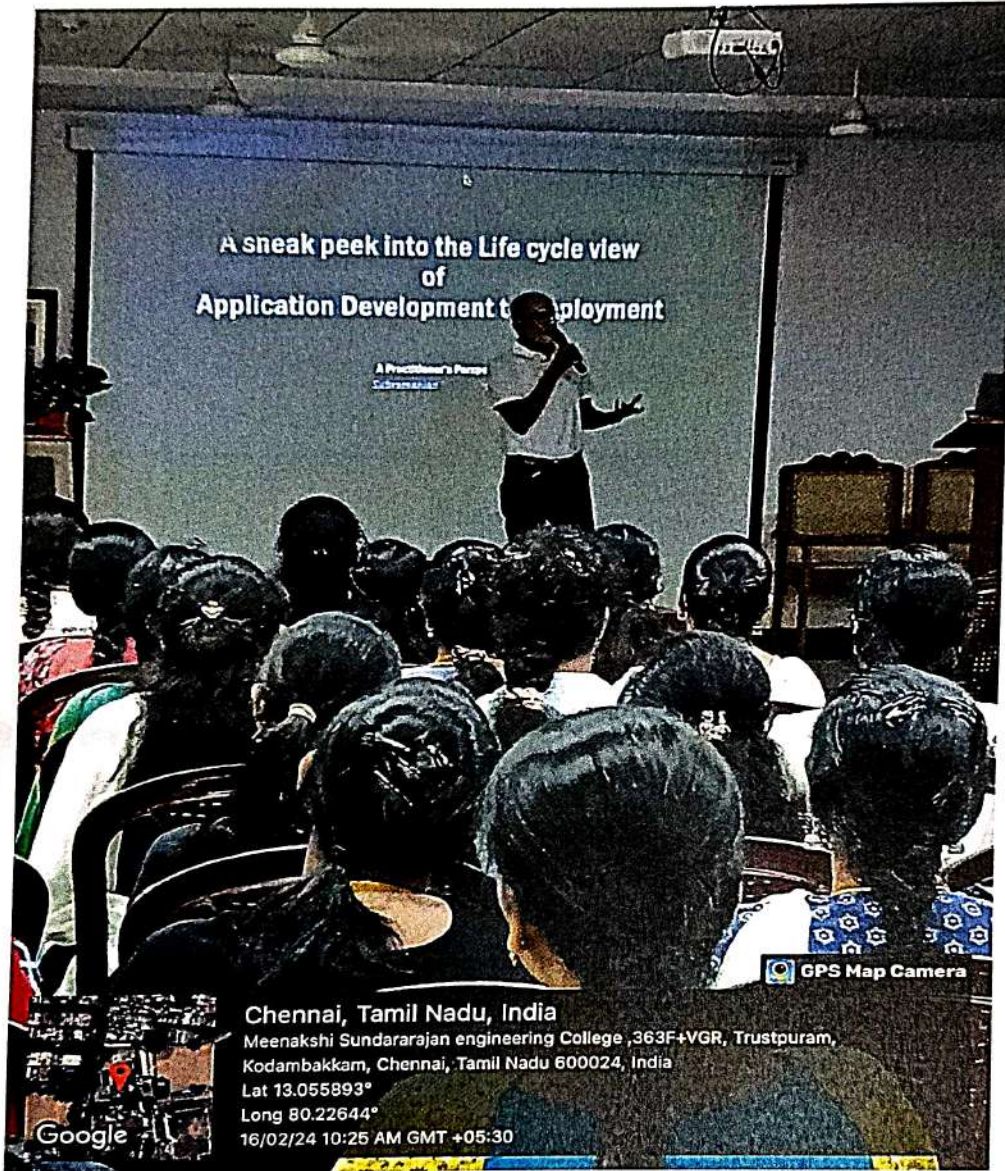
(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



[Signature]
PRINCIPAL
 MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
 363, ARCOT ROAD, KODAMBAKKAM,
 CHENNAI-600024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(F) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



3.2 SYMPOSIUM



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(363, Arcot Road, Kodambakkam, Chennai, Tamil Nadu 600024)

DEPARTMENT OF ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

CELISTA 2K24





MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



Gallery:



[Signature]
PRINCIPAL
 MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
 363, ARCOT ROAD, KODAMBAKKAM,
 CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

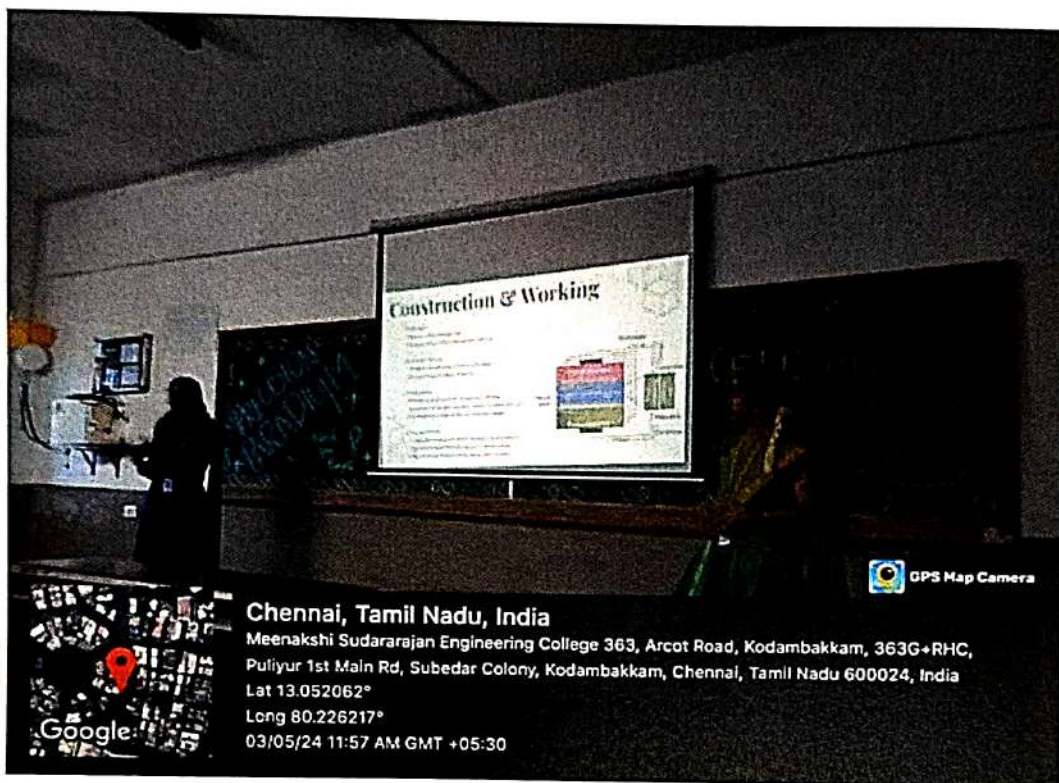
(Managed by I.E.T Society, Approved by AICTE, New Delhi.

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



[Signature]
PRINCIPAL
 MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
 363, ARCOT ROAD, KODAMBAKKAM
 CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.E.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(II) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



WINNERS DETAILS:

1st place:

Name : INIYAAN S V,
JITHESH VENKATESH R
Year : IV Year
Dept : CSE
College : Panimalar Institute of Technology



2nd place

Name : NAGA PRASATH S,
SAPTHA RISHI K
Year : III year
Dept : CSE
College : Sri Sairam engineering college


PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and MBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



DEPARTMENT OF EEE

NATIONAL LEVEL SYMPOSIUM- EPSILON2K24



[Signature]
PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI - 600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



GPS Map Camera

Chennai, Tamil Nadu, India
363, Arcot road, Kodambakkam, Chennai, Tamil Nadu 600024, India
Lat 13.056299°
Long 80.226329°
03/05/24 12:21 PM GMT +05:30



GPS Map Camera

Chennai, Tamil Nadu, India
363, Arcot Road, Kodambakkam, 363G+RHC, Puliur 1st Main Rd,
Subedar Colony, Kodambakkam, Chennai, Tamil Nadu 600024, India
Lat 13.055827°
Long 80.226308°
03/05/24 11:36 AM GMT +05:30

PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.E.T. Society, Approved by AICTE, New Delhi.

Affiliated to Anna University, Chennai.

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(B) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



PRANAV 2K24



SYMPOSIUM CONDUCTED REPORT

Department of ECE

DATE : 30 April 2024

PLACE: Meenakshi Sundararajan Engineering College

Kodambakkam

Chennai -600024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India




PRINCIPAL
 MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE,
 363, ARCOT ROAD, KODAMBAKKAM,
 CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied.

Recognized by UGC with 2(I) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.E.T. Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(B) status)



363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India





MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(B) status)



363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



PRINCIPAL
MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
363, ARCOT ROAD, KODAMBAKKAM
CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

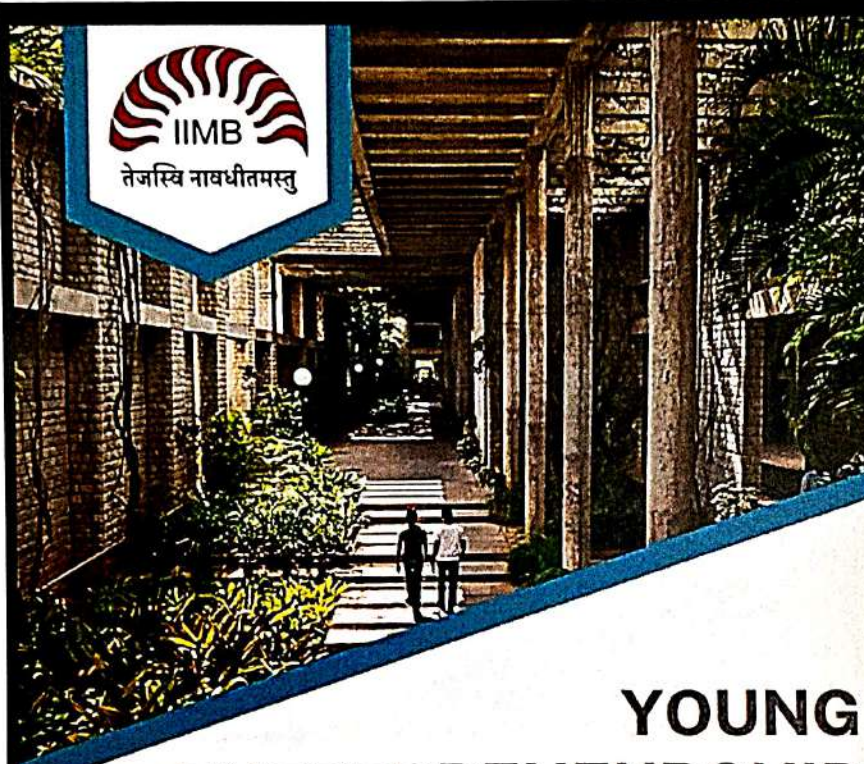
Recognized by UGC with 2(f) & 12(B) status)



363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



3.3 ENTREPRENEURSHIP



**YOUNG
ENTREPRENEURSHIP
PROGRAM**
IIM BANGALORE

MEENAKSHI SUNDARARAJAN
ENGINEERING COLLEGE
DEPARTMENT OF ARTIFICIAL
INTELLIGENCE & DATA SCIENCE
(2021-2025)

V SOORYA NARAYANAN
SABARISH R
N SABESH KRISHNAN



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(I) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



1. Asimov, 'Introduction to Design', Prentice Hall, 1962.
2. Halbert, 'Resisting Intellectual Property', Taylor & Francis Ltd, 2007.
3. Mayall, 'Industrial Design', McGraw Hill, 1992.
4. Niebel, 'Product Design', McGraw Hill, 1974.
5. Ranjit Kumar, 2nd Edition, 'Research Methodology: A Step-by-Step Guide for beginners' 2010.
6. Alan Bryman & Emma Bell, Business Research Methods, Oxford University Press



[Signature]
PRINCIPAL
 MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
 363, ARCOT ROAD, KODAMBAKKAM
 CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.J.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai.

Accredited by NAAC with 'A' grade and NBA for programs applied.

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
MANAGED BY I.J.E.T SOCIETY
 KODAMBAKKAM (CHENNAI) - 600 024
 (AN AUTONOMOUS INSTITUTION)

APPROVED BY AICTE, NEW DELHI
 AFFILIATED TO ANNA UNIVERSITY, CHENNAI
 ACCREDITED BY NAAC WITH 'A' GRADE
 ACCREDITED BY NBA WITH 'A' GRADE
 RECOGNIZED BY UGC WITH 2(F) AND 12(B) STATUS

ANNA UNIVERSITY
 CHENNAI
 1309

**CERTIFICATE
 OF COMPLETION**
 IS PRESENTED TO
HARITHA.M

has completed the add on course " **RESEARCH METHODOLOGY**"
 conducted by the department of **Electrical and Electronics Engineering**
 during the academic year 2023-2024

Faculty Incharge

Head Of Department

Principal

PRINCIPAL
 MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE
 363, ARCOT ROAD, KODAMBAKKAM
 CHENNAI-600 024



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



3.4 ADD ON COURSE

MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

Kodambakkam, Chennai-600024

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING



Design and Development of Curriculum For Add-on Courses



MEENAKSHI SUNDARARAJAN ENGINEERING COLLEGE

(Managed by I.I.E.T Society, Approved by AICTE, New Delhi,

Affiliated to Anna University, Chennai,

Accredited by NAAC with 'A' grade and NBA for programs applied,

Recognized by UGC with 2(f) & 12(B) status)

363, Arcot Road, Kodambakkam, Chennai – 600 024, Tamil Nadu, India



RESEARCH METHODOLOGY

Objectives:

To provide basic knowledge on

- (1) the identification of research problem,
- (2) Problem formulation,
- (3) analysis and solutions,
- (4) Technical paper writing, and
- (5) presentation without violating professional ethic.

Unit –I FOUNDATIONS OF RESEARCH

6

Meaning, Objectives, Motivation, Utility. Concept of theory, empiricism, deductive and inductive theory. Characteristics of scientific method - Understanding the language of Research - Concept, Construct, Definition, Variable. Research Process.

UNIT – II LITERATURE REVIEW

6

Effective literature studies approaches, analysis, plagiarism, and research ethics. Features of a good research design.

UNIT – III RESEARCH PROBLEM IDENTIFICATION & FORMULATION

6

Sources of research problem, criteria characteristics of a good research problem, errors in selecting a research problem, scope and objectives of research problem. Approaches of investigation of solutions for research problem, data collection, analysis, interpretation, necessary instrumentations.

UNIT – IV TECHNICAL WRITING /PRESENTATION

6

Ethics in Report Writing - Planning of a Research Report, paper, – Presenting Literature Review - Stages of Writing Report – Layout of the Research Report – Precaution for Writing Research Reports, - Footnotes – Endnotes – Bibliography – Proof Correction – Finalisation of Thesis.

UNIT – V SELECTION OF JOURNAL FOR PUBLICATIONS

6

Citations - h-index - i10-index - Impact Factor – Citation index of Journals – SCI index journals - Scopus journal - UGC care list

Reference Books: