



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY
DINDIGUL – 624 002.


REPORT ON STUDENT INDUCTION PROGRAMME (SIP) 2022-2023


As per Anna University curriculum, Student induction programme (SIP) was conducted for the newly entered first year students in all branches for the academic year 2022-2023 from 17.11.2022- 26.11.2022. In this regard, there are so many activities were planned. First day 17.11.2022 (afternoon), a counselling session was arranged for the students. Resource person Mrs.V.J Vennila, counsellor, TVS Velicham counselling centre, Madurai was invited to address the I-year students entitled as “Future Search” .


Heads and Secondary Leaders of various departments addressed the I-Year student and motivated them by explaining the opportunities in engineering departments.

Industrial visit was made to all the I-year Students to SSM Home Garments & SSM Mill, Dindigul, and Naga food products private limited, Dindigul from 21.11.2022-26.11.2022. Few Industrial people was invited to address the gathering for the familiarization of Engineering process.

- On 18.11.2022 Forenoon, Mr. M.Balamurugan, CEO –Yosanaiankadi Private Limited, Dindigul delivered a special talk about “Knowledge about Engineers role in manufacturing Industry”
- On 18.11.2022 Afternoon Mr.T.Senthil, AGM-CCP, Chettinad Cement corporation private limited, Guziliamparai delivered his speech on “Career Opportunities”
- On 21.11.2022 Forenoon, Mr. S.Sundaramoorthy, MD-Sunshiv Electronic solutions private limited, Coimbatore addressed the I-Year Students under the title “An Engineers Perspective on product design and manufacturing engineering.
- On 23.11.2022 Forenoon, Mr.Stephen Gaspar, MD-Spotlight Technology, Dindigul delivered a special talk on the topic “Your Way to Success”


SIP Coordinator
Mrs. K.Thara


Dean (S&H)
Dr.G.Shanmugam


Principal
Dr. D.Senthil Kumaran



SSM Institute of Engineering and Technology, Dindigul.
Department of English
First Year Induction Program
2022-2023 Odd Semester
Syllabus for English Proficiency

1. Elementary Module

- Session 1:** Introduction- Affixes- Commonly misspelt words.
- Session 2:** Synonyms & Antonyms- Sentence patterns & word formation
- Session 3:** Framing Questions- Question tag
- Session 4:** Ad preparation- Phrase and slogans
- Session 5:** Self introduction- Including individual's strength, weakness & goals


2. Primary Module- (Class room practice)

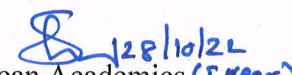
- Session 1:** Pronunciation- Speech Sound – Syllabification
- Session 2:** Self introduction
- Session 3:** Listening- Audio
- Session 4:** Writing 1- Story & Narrative writing
- Session 5:** Writing 2- Letter Writing- Formal & Informal

3. Secondary Module

English -Proficiency

Introduction to Technical English- English as a subject- Introducing basics of LSRW-Learn and improve written communication skills.


HoD/English


12/8/10/22
Dean Academics (1 year)
(Dr. G. Shanmugam)


PRINCIPAL



Induction program

Maths - syllabus

28.10.2022

MODULE 1: Elementary Level

Hour 1: Determinants: Definition and expansion of determinants of order 2 and 3. Properties of determinants - Simple Problems

Hour 2: Matrices: Definition – Singular Matrix, Non-singular Matrix, Adjoint of a matrix and Inverse of a matrix up to 3×3 only. Simple Problems

Hour 3: Binomial Theorem: Definition of Factorial notation - Definition of Permutation and Combinations - - Simple Problems

Hour 4: Limits: Definition of Limits. Problems using Limits

Hour 5: Definition – Differentiation of Trigonometric Function, - Differentiation formulae- Simple Problems

Hour 6: Differentiation: UV, U/V method, Substitution Method- Simple Problems

MODULE 2: Primary Level

Hour 1: Differentiation: Differentiation of function functions (chain rule) – Simple Problems

Hour 2: Differentiation: Inverse Trigonometric functions and Implicit functions. Simple Problems.

Hour 3: Matrices: Rank of a matrix

Hour 4: Partial Differentiation: Definition – Simple problems in 3 variables

Hour 5: Integration: Basic Definition of Integration – Formulae – Simple Problems

Hour 6: Partial Fraction: Methods of Partial fraction – Simple Problems

MODULE 3: Secondary Level

Hour 1: Matrices: Finding rank of a matrix by determinant method (matrix of order 3×4) Simple Problems.

Hour 2: Partial Differentiation: Partial differentiation of two variables up to second order only. Simple Problems.

Hour 3: Successive differentiation: Successive differentiation up to second order- Simple Problems

Hour 4: Successive differentiation: order and degree, formation of differential equation. Simple Problems

Hour 5: Integration: Integration by parts- Simple Problems

Hour 6: Integration: Substitution method, Trigonometric Substitution – Simple problems

M. J. Soman
HOD/Maths
28/10/22

S. S. S. S. S.
Dean/First year Academics
(Dr. G. Shanmugam)

A. S. S. S. S.
Principal



SSM Institute of Engineering and Technology, Dinidigul-02

Induction program-2022-23

Department of Physics

SYLLABUS

Module 1: Elementary level

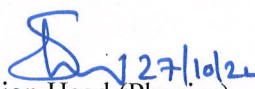
Kinematics and mechanics- Electricity and Magnetism – Elasticity – Thermal physics – Acoustics and ultrasonic – Band theory of solids – Basics for semiconductor laser and fiber optics – Foundations for quantum theory.

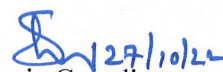
Module 2: Primary level

Units and Measurements - Vernier Caliper – Screw Gauge – Travelling Microscope – Spectrometer

Module 3: Secondary level

Introduction to Engineering Physics – classical theory and quantum theory in physics – crystal Physics – Magnetic materials – Super conducting materials -- Dielectric materials- Nano materials.


27/10/22
Division Head (Physics)
(Dr. G. Shanmugam)


27/10/22
Academic Coordinator
(Dr. G. Shanmugam)


Principal



SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY, DINDIGUL
INDUCTION PROGRAMME FOR I.B.E/B.TECH STUDENTS 2022-2023

DEPARTMENT OF CHEMISTRY

SYLLABUS

OBJECTIVES

- To bridge the “school education and engineering education”.
- To make “learning of Chemistry as a pleasant experience”.

I. ELEMENTARY LEVEL:

Basic concepts in Chemistry

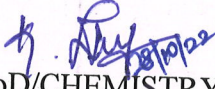
1. Atomic structure
2. Isotopes and isobars
3. Molecular mass
4. Periodic table

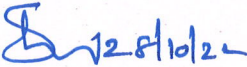
II. PRIMARY LEVEL


1. Industrial Applications of Chemistry in Water treatment Process
2. Industrial applications of nanomaterials

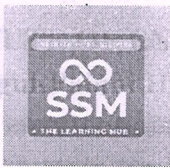
III. SECONDARY LEVEL

3. Applications of fuels in Various Industries
4. Energy Resources in Energy Sectors


HoD/CHEMISTRY
K. THARA


DEAN/I-YR ACADEMICS
(Dr. G. Shanmugasundaram)


PRINCIPAL




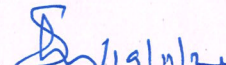
M INSTITUTE OF ENGINEERING & TECHNOLOGY,
Dindigul-Palani Highway, Dindigul -624 002.
Department of Science and Humanities
Student Induction Programme Time Table 2022-2023


Year: I-year (All Branches)

Academic Year: 2022-2023(ODD)

Date/Hour	21.11.2022 Monday	22.11.2022 Tuesday	23.11.2022 Wednesday	24.11.2022 Thursday	25.11.2022 Friday	26.11.2022 Saturday
03.00pm- 04.30pm	Perspective on different branches(Auto,Mech HoD's)	Perspective on different branches(ECE,EEE HoD's)	Perspective on different branches(CSE ,CIVIL HoD's)	Opportunities in Engineering disciplines (Auto,Mech Faculties)	Opportunities in Engineering disciplines (ECE,EEE Faculties)	Opportunities in Engineering disciplines (CSE,Civil Faculties)

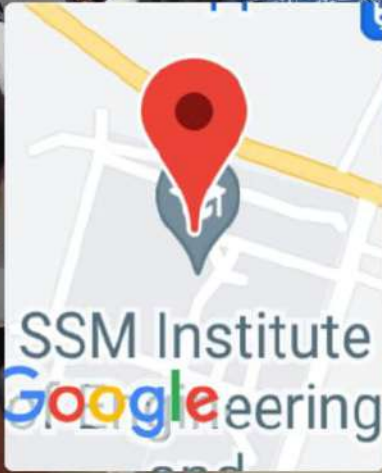

SIP Coordinator
K. Thara


Dean (First Year)
Dr.G.Shanmugam

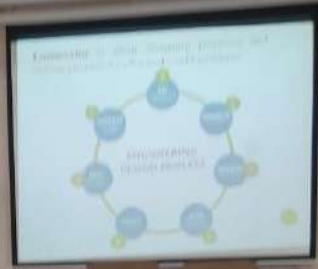

Principal
Dr.D.Senthilkumaran



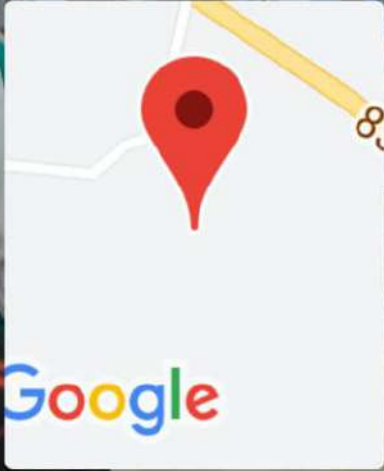
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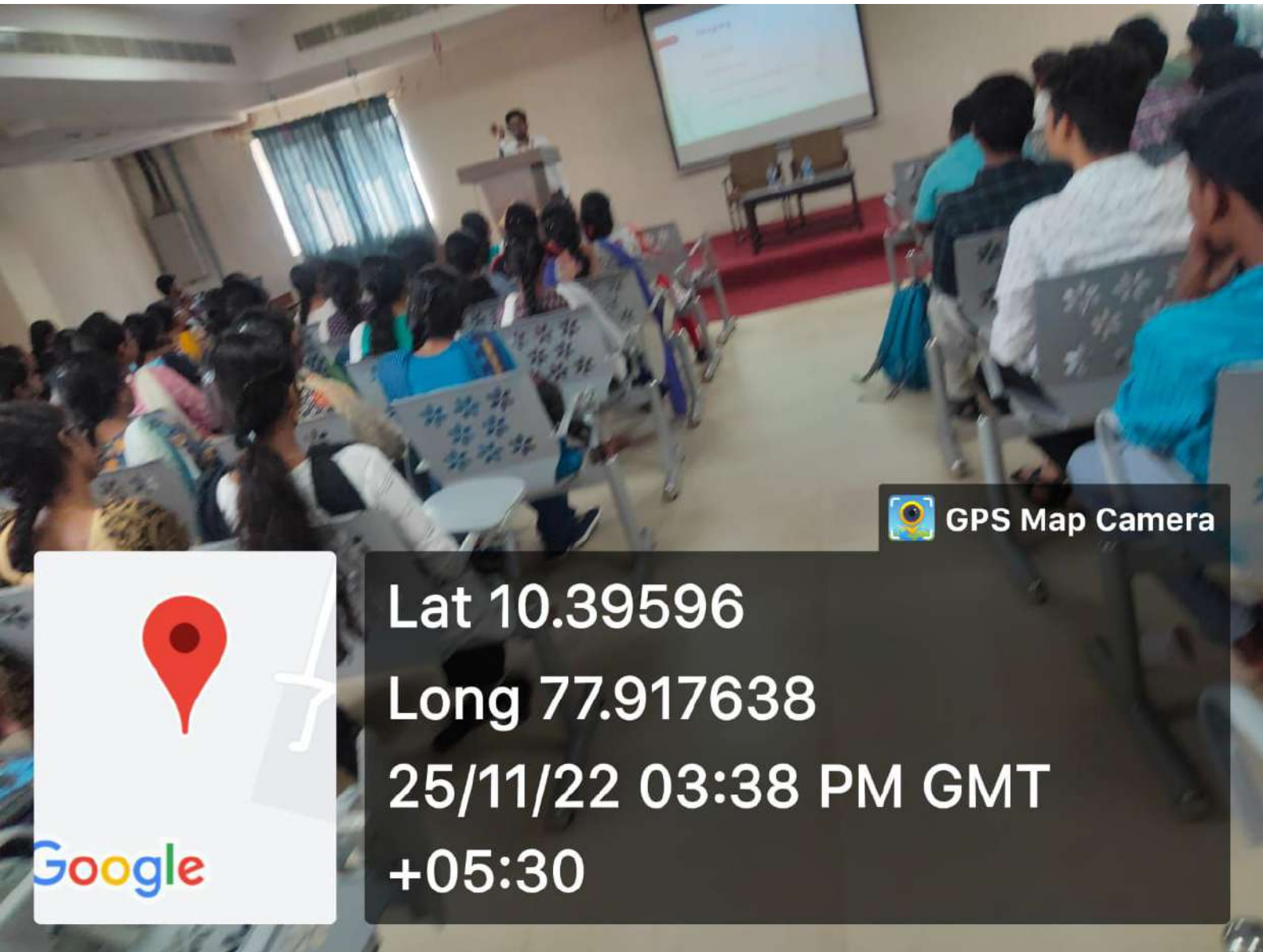
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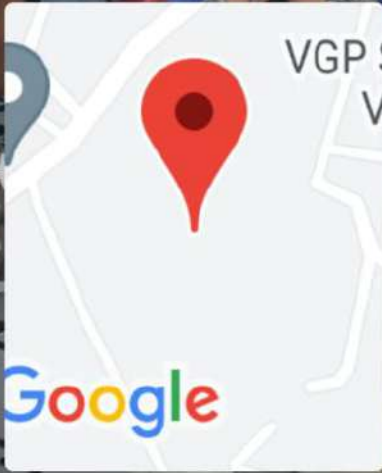
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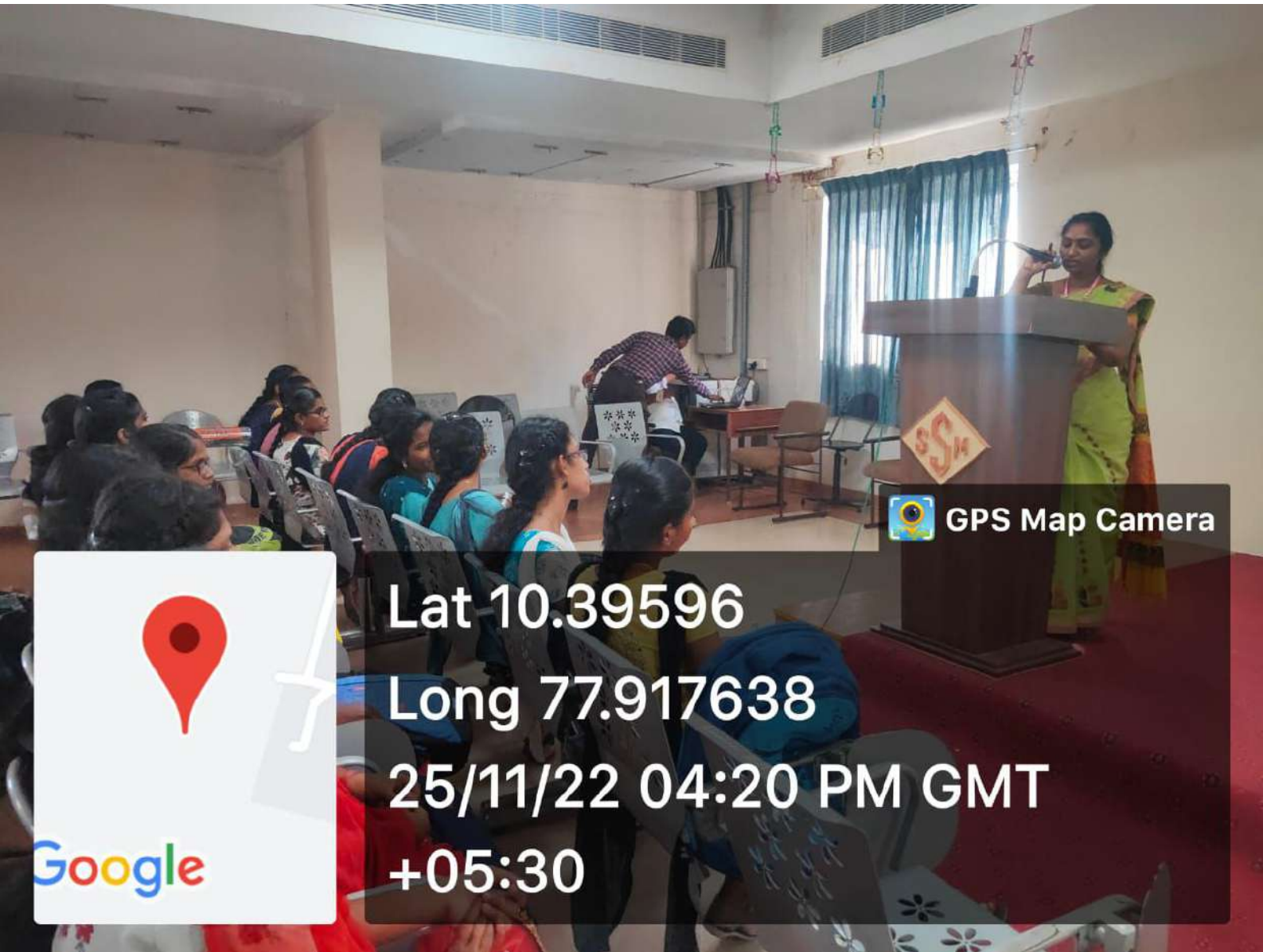
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SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING
PERSPECTIVE PLAN



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SSM INSTITUTE OF ENGINEERING & TECHNOLOGY,
Dindigul-Palani Highway, Dindigul -624 002.
Department of Science and Humanities

Student Induction Programme (2022-2023)

Industrial Visit Schedule (21.11.22 To 26.11.22)

DAY/HOUR	1	2	3	Lunch break	4	5
	9.10am-10.10am	10.10am-11.10am	11.30am-12.30pm		1.30pm-2.30pm	3.00pm-4.30pm
MON	SSM HOME GARMENTS(139+5) C3-EEE(8)+C4-EEE(15)+C7-MECH&CIVIL(32)+ C5-CSE-1(43)+C6-CSBS&CSE-2(41)				NAGA(61+3) C1-ECE-1(45) & C2-ECE-2(16)	
TUE	SSM MILL(148+5) C1-ECE1(45)+C2-ECE 2(46)+C3-ECE(30)+C4-AIDS(27)				NAGA(55+3) C4-EEE-2(15) + C3-EEE-2(8)+ C7-MECH&CIVIL(32)	
WED	SSM HOME GARMENTS(148+5) C1-ECE1(45)+C2-ECE 2(46)+C3-ECE(30)+C4-AIDS(27)				NAGA(59+3) C5-CSE-1(43) & C6-CSE-2(16)	
THR	SSM MILL(139+5) C3-EEE(8)+C4-EEE(15)+C7-MECH&CIVIL(32)+ C5-CSE-1(43)+C6-CSBS&CSE-2(41)				NAGA(60+3) C2-ECE-2(30) & C3-ECE-3(30)	
FRI	-	-	-		NAGA(52+3) C4-AIDS(27) & C6-CSBS(25)	
SAT	-	-	-		-	-

K. Thara
19/11/22
SIP COORDINATOR
Mrs.K.Thara

Dr. G. Shanmugam
19/11/22
DEAN (I-YEAR)
Dr.G.Shanmugam

Dr. D. Senthil Kumaran
22/11/22
PRINCIPAL
Dr. D.SenthilKumaran



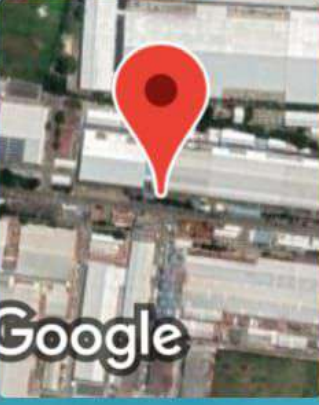
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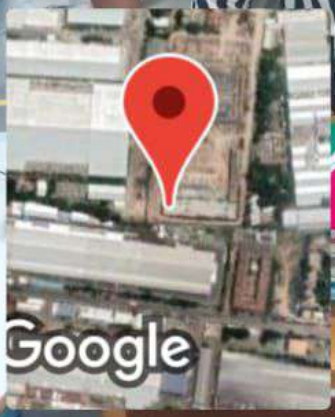
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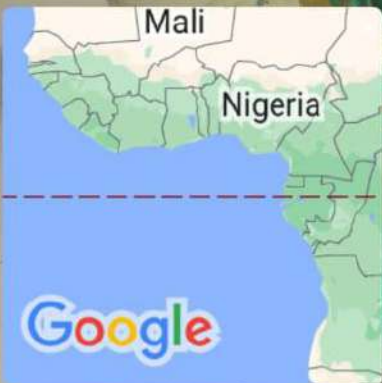
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624705, India

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