



ERODE SENGUNTHAR

ENGINEERING COLLEGE

(Autonomous Institution)

Approved by AICTE, New Delhi, Permanently Affiliated to Anna University- Chennai, & National Assessment and Accreditation Council (NAAC), Bangalore with 'A' Grade



PERUNDURAI -638 057, TAMILNADU, INDIA.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

2019-2020

Micro Electro Mechanical Systems

MEMS & Microsystems



Objectives:

To Demonstrate how power electronics principles are applied in real-world scenarios, such as motor control, power conversion, and energy efficiency improvement.



ERODE SENGUNTHAR

ENGINEERING COLLEGE

(Autonomous Institution)

Approved by AICTE, New Delhi, Permanently Affiliated to Anna University- Chennai, & National Assessment and Accreditation Council (NAAC), Bangalore with 'A' Grade



PERUNDURAI -638 057, TAMILNADU, INDIA.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

2019-2020 (Even)

Applied Soft Computing

Introduction to Soft Computing



Objective:

To introduce students to the theoretical foundations of soft computing, including neural networks, fuzzy logic, genetic algorithms, and other related topics.



ERODE SENGUNTHAR ENGINEERING COLLEGE

(Autonomous Institution)

Approved by AICTE, New Delhi, Permanently Affiliated to Anna University- Chennai, &
National Assessment and Accreditation Council (NAAC), Bangalore with 'A' Grade

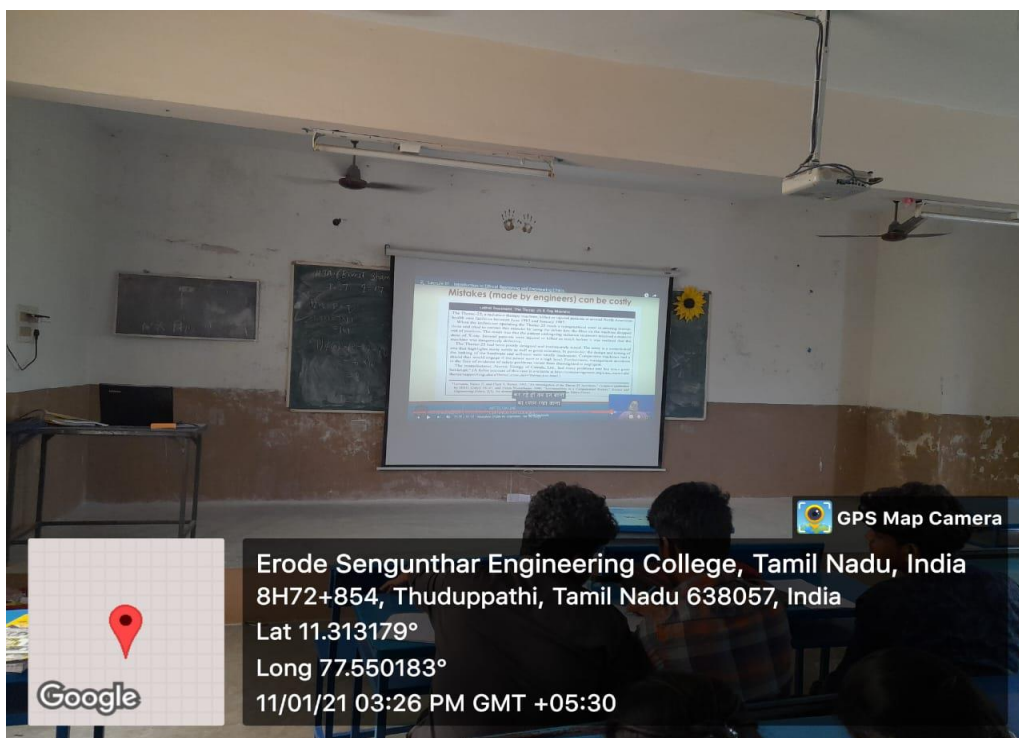


PERUNDURAI -638 057, TAMILNADU, INDIA.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Signals and Systems

Introduction to signals and systems



Objectives:

Use visual aids, diagrams, and animations to illustrate the concepts of signals and systems, making abstract concepts more accessible to learners.



ERODE SENGUNTHAR ENGINEERING COLLEGE

(Autonomous Institution)

Approved by AICTE, New Delhi, Permanently Affiliated to Anna University- Chennai, &
National Assessment and Accreditation Council (NAAC), Bangalore with 'A' Grade



PERUNDURAI -638 057, TAMILNADU, INDIA.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

2020-2021 (Even)

Biomedical Instrumentation - Biomedical Imaging System



Objectives:

To Demonstrate how different biomedical instruments work, including the measurement of physiological parameters (e.g., ECG, EEG, blood pressure), laboratory analysis (e.g., spectrophotometry), and diagnostic imaging.



ERODE SENGUNTHAR ENGINEERING COLLEGE

(Autonomous Institution)

Approved by AICTE, New Delhi, Permanently Affiliated to Anna University- Chennai, &
National Assessment and Accreditation Council (NAAC), Bangalore with 'A' Grade



PERUNDURAI -638 057, TAMILNADU, INDIA.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

2021-2022

Introduction to Internet of things



Objective:

To Provide a solid foundation in the concepts, principles, and components of the Internet of Things (IoT) within the context of embedded systems.



ERODE SENGUNTHAR ENGINEERING COLLEGE

(Autonomous Institution)

Approved by AICTE, New Delhi, Permanently Affiliated to Anna University- Chennai, &
National Assessment and Accreditation Council (NAAC), Bangalore with 'A' Grade



PERUNDURAI -638 057, TAMILNADU, INDIA.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

2021-2022

Power Electronics and Drive

Numerical on Devices



Objective:

To Encourage critical thinking by presenting complex problems that require students to analyze, synthesize, and apply multiple concepts to arrive at solutions.



ERODE SENGUNTHAR ENGINEERING COLLEGE

(Autonomous Institution)

Approved by AICTE, New Delhi, Permanently Affiliated to Anna University- Chennai, &
National Assessment and Accreditation Council (NAAC), Bangalore with 'A' Grade



PERUNDURAI -638 057, TAMILNADU, INDIA.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

2022-2023

Research Methodology

Literature Survey, Introduction to Research



Objective :

To provide a clear understanding of the research process, literature review, and research methodologies specific to their field of study.



ERODE SENGUNTHAR ENGINEERING COLLEGE

(Autonomous Institution)

Approved by AICTE, New Delhi, Permanently Affiliated to Anna University- Chennai, &
National Assessment and Accreditation Council (NAAC), Bangalore with 'A' Grade



PERUNDURAI -638 057, TAMILNADU, INDIA.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

Object Oriented Programming

Complexity of Software



Objective:

Object-Oriented Programming (OOP) and the Complexity of Software, specifically tailored for Electrical and Instrumentation Engineering, the objectives should align with the specific needs and learning outcomes of the students.



ERODE SENGUNTHAR

ENGINEERING COLLEGE

(Autonomous Institution)

Approved by AICTE, New Delhi, Permanently Affiliated to Anna University- Chennai, & National Assessment and Accreditation Council (NAAC), Bangalore with 'A' Grade



PERUNDURAI -638 057, TAMILNADU, INDIA.

DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING

2022-2023

Thermal Power Plant Instrumentation

Impulse-Reaction steam Turbines



Objective:

To provide a visual and practical understanding of these turbines within the context of electrical and electronic systems.