# GENZEE
## TECHNOLOGIES

INSPIRING
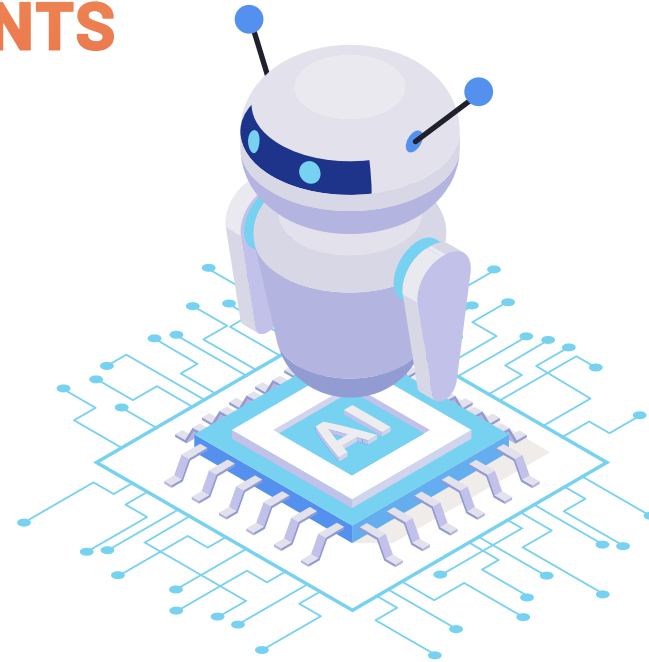GENERATIONS

# INTERNSHIP PROGRAM

## FOR

### DIPLOMA IN ELECTRONICS AND COMMUNICATION ENGINEERING STUDENTS

Genzee Technologies, founded by a group of young entrepreneurs, strives to provide top-notch training and unparalleled support in fields such as Engineering, Internships, Workshops, Project Assistance, and Placement Assistance at an affordable cost. Our goal is to eliminate obstacles like financial constraints to ensure everyone's personal development. Students have the chance to collaborate with well-established and government-approved companies. These internships offer valuable hands-on experience, allowing students to gain insight into industry operations at a practical level.With our dedicated faculty, we are committed to guiding and refining your skills, ultimately helping you shine bright!

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TECHNOLOGIES

# ABOUT US

# INTERNSHIPS

Internships provide valuable career-related experience and workplace skills highly sought after by employers when recruiting new hires. Additionally, internships offer a chance to explore various career paths.

We're hosting internship programs tailored for Mechanical Engineering students, offering a robust learning platform to acquire practical experience and enhance skills essential for career advancement. Upon program completion, participants will receive internship certificates.

# CURRICULUM OVERVIEW

## EMBEDDED SYSTEMS AND IOT

- INTRODUCTION TO EMBEDDED SYSTEMS AND COMPONENTS
- DIFFERENT TYPES OF EMBEDDED SYSTEMS
- STRUCTURE OF EMBEDDED SYSTEMS

## ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

- INTRODUCTION TO ARTIFICIAL INTELLIGENCE BACKGROUND AND APPLICATIONS.
- ARTIFICIAL INTELLIGENCE STRUCTURE
- AI PROJECT CYCLE
- BEHAVIOUR AND ENVIRONMENT
- WHAT IS MACHINE LEARNING ?
- HISTORY OF MACHINE LEARNING
- HOW ARTIFICIAL INTELLIGENCE RELATES TO MACHINE LEARNING

## ROBOTICS

- INTRODUCTION TO ROBOTICS - FAMILIARISING TINKERCAD PLATFORM AND UNDERSTANDING BASIC, CIRCUIT CONNECTION USING ELECTRONICS COMPONENTS IN TINKERCAD (BREADBOARD CONNECTIONS,SERIES, PARALLEL CIRCUITS, ETC).
- INTRODUCTION TO ARDUINO AND ARDUINO IDE UNDERSTANDING ROBOT PROGRAMMING USING C++, VARIOUS PROJECTS ON LED BLINKING, PUSH BUTTON, DATA READING, ANALOG AND DIGITAL READAND WRITE, ETC.
- CONNECTION AND WORKING OF VARIOUS SENSORS USING ARDUINO PROGRAMMING, PROJECTS USING LDR SENSOR, PIR SENSOR, AND ULTRASONIC SENSOR
- CONNECTION AND PROGRAMMING OF DC MOTORS USING THE MOTOR DRIVER.
- REAL-TIME SENSOR INTERFACING IN ARDUINO, DESIGN AND WORKING OF BLUETOOTH CONTROLLED ROBOT

# CURRICULUM OVERVIEW

## ROBOTICS

■ **INTRODUCTION TO ROBOTICS**

FAMILIARISING TINKERCAD PLATFORM AND UNDERSTANDING BASIC, CIRCUIT CONNECTION USING ELECTRONICS COMPONENTS IN TINKERCAD (BREADBOARD CONNECTIONS, SERIES, PARALLEL CIRCUITS, ETC).

■ **CONNECTION AND WORKING OF VARIOUS SENSORS**

USING ARDUINO PROGRAMMING, PROJECTS USING LDR SENSOR, PIR SENSOR, AND ULTRASONIC SENSOR CONNECTIONS, SERIES,PARALLEL CIRCUITS, ETC.

■ **INTRODUCTION TO ARDUINO AND ARDUINO IDE**

UNDERSTANDING ROBOT PROGRAMMING USING C++, VARIOUS PROJECTS ON LED BLINKING, PUSH BUTTON, DATA READING, ANALOG AND DIGITAL READ AND WRITE,

■ **CONNECTION AND PROGRAMMING OF DC MOTORS**

USING THE MOTOR DRIVER

■ **REAL-TIME SENSOR INTERFACING IN ARDUINO, DESIGN AND WORKING OF BLUETOOTH CONTROLLED ROBOT**
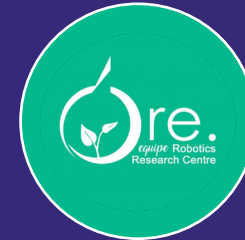
# COLLABORATED COMPANIES

**ALPHASYS 3D PRINTING SOLUTIONS**

**ROBO HOME**

**ORE EQUIPE**

# THANK YOU!

## CONTACT US

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