


100% Job Guarantee In IT

- ✓ Government Registered Training Institute
- ✓ Current Industry Syllabus
- ✓ Industry-Ready Prep Course With 100% Job Guarantee
- ✓ 100% Project Oriented Training From Basics
- ✓ Unlimited Interviews And Internship Support
- ✓ Individual Focused Training
- ✓ Suits For Fresher, Experienced, Non-IT
- ✓ Check Our  YouTube Videos Before Choosing Us



OUR TRAINEES GOT PLACED IN



.....Still
Counting



ABOUT US!

Payilagam, the **Best Software Training Institute In Chennai With 100% Placement Guarantee**, has been shaping successful IT careers with over **13+ Years Of Experience**. We provide real-time, industry-focused training led by **Experienced Professionals** from the IT industry, ensuring you gain practical skills that companies actually need. Our courses include **HTML, CSS, JavaScript, React, Java, Python, PostgreSQL, GitLab, And WordPress**, designed to make you job-ready from day one. At Payilagam, we don't just teach, we guide you step-by-step towards your career with our **100% Job Guaranteed Courses**, helping you confidently step into the IT industry.



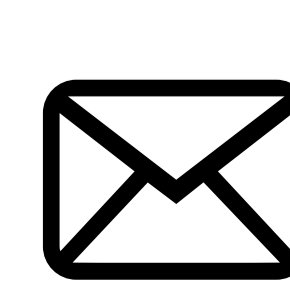
OUR INFRASTRUCTURE



www.payilagam.com



+91 8344 777 333



info@payilagam.com

OUR LATEST PLACEMENTS



Megha **BE AI (2025)**

ML DATA ASSOCIATE ROLE 1



Sasireka **MSc. CS (2025)**

ASSISTANT SYSTEM ENGINEER



Divya Bharathi **BE ECE (2026)**

SOFTWARE ENGINEER



Ramya **B.E. CSE (2025)**

DATA ANALYST



Vidhya Varshini
B E Aeronautical (2025)

WEB DEVELOPER



Deenadhayalan **BSc CS (2025)**

TECHNICAL SUPPORT ENGINEER



Dharshini E **B.E CSE (2025)**

FULL STACK DEVELOPER INTERN



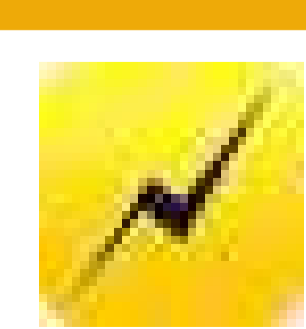
Vimala G **BE ECE (2016)**

SOFTWARE ENGINEER



Ramesh **B.Com (2025)**

SOFTWARE ENGINEER



www.payilagam.com



+91 8344 777 333



info@payilagam.com

OUR LATEST PLACEMENTS



Sathish **MSc (2023)**

SOFTWARE ENGINEER



Ranjith **BSc Physics(2021)**

ANGULAR DEVELOPER



Bharath **MSc Maths (2021)**

ANGULAR DEVELOPER



Iyappan **MCA (2025)**

SOFTWARE ENGINEER



Bhuvana Sri R **B.E CSE (2025)**

SOFTWARE ENGINEER



Pavithra **MCA (2025)**

NETWORK ENGINEER



Keerthika **MCA (2025)**

REACT DEVELOPER



Vasanth S **B.E Mech (2021)**

SOFTWARE ENGINEER



Gayathri **BE CSE (2025)**

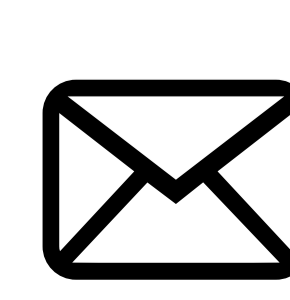
SOFTWARE ENGINEER



www.payilagam.com



+91 8344 777 333



info@payilagam.com

OUR LATEST PLACEMENTS



Vadivu Lakshmi G
MSc Chemistry(2018)

FULL STACK DEVELOPER INTERN



Ponvel M **BE CSE (2024)**

SOFTWARE ENGINEER

Thondrin
Information
Solutions



Uthaya **ME (2015)**

ANGULAR DEVELOPER



AJAY RAJA **B.Tech CSE (2025)**

DEVOPS ENGINEER INTERN



Ashok **BE ECE (2025)**

DATA ANALYST INTERN



Manikandan **B.Sc (2025)**

DATA ANALYST



Vigneshwaralingam
B.E CSE (2025)

SOFTWARE ENGINEER



Swetha.P **B.Sc CS (2025)**

SOFTWARE ENGINEER INTERN



Kavya S **BE CSE (2025)**

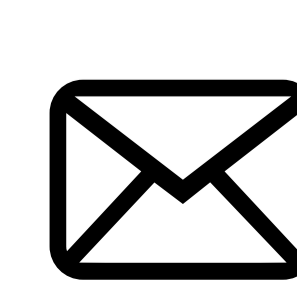
SOFTWARE ENGINEER INTERN



www.payilagam.com



+91 8344 777 333



info@payilagam.com

PYTHON

Module 1: Python Introduction, Installation

- Python Introduction
- Download Python, Installing Python
- Verify The Installation
- Install A Text Editor Or IDE (Optional)

Module 2: Data Types

- Numeric Types
- Text Type
- Boolean Type
- None Type

Module 3: Operators

- Arithmetic Operators
- Comparison Operators
- Logical Operators
- Assignment Operators
- Membership Operators
- Identity Operators

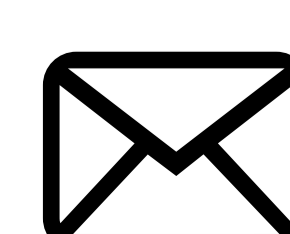
Module 4: Functions

- Function Call
- Return Statement
- Types Of Parameters - Default Parameters, Variable Length Arguments
- Variable-Length Argument Lists, Lambda Functions, Recursion

Module 5: Flow Control Statements

- **Looping Statements:** for, while
- **Conditonal Statements:** if, elif, else
- **Exception Handling:** try, except, finally
- Pass Statement

Project: *Calculator Application*



PYTHON

Module 6: List

- Creating A List
- Accessing Elements
- Slicing
- Modifying Elements
- Adding Elements
- Removing Elements
- Sorting: Bubble Sort, Searching: Binary Search

Project: Phone Book Application

Module 7: Tuple

- Creating A Tuple
- Accessing Elements
- Slicing
- Tuple Packing And Unpacking
- Immutable Nature

Project: Inventory Management Application

Module 8: Set

- Creating A Set
- Accessing Elements, Adding Elements, Removing Elements
- Set Operations
- Other Set Operations

Project: Unique Words From A Book

Module 9: Dictionary

- Creating A Dictionary, Accessing Values, Modifying Values
- Adding New Key-Value Pairs, Removing Key-Value Pairs
- Dictionary Operations, Nested Dictionaries

Project: Student Management System



PYTHON

Module 10: Package

- Creating A Package
- Importing Modules From A Package
- Importing The Whole Package
- Subpackages

Module 11: Python OOPs Introduction

- Class, Object
- Attributes And Methods
- Encapsulation
- Inheritance
- Polymorphism
- Abstraction

Project: Employee Management System

Module 12: Type Of Methods

- Instance Methods
- Class Methods
- Static Methods
- Special Methods (Magic Methods Or Dunder Methods)

Module 13: Exception Handling

- Try-Except Block
- Handling Specific Exceptions
- Else And Finally Blocks
- Raising And Custom Exceptions

Module 14: File Handling

- Opening, Reading, Writing From A File, Appending To A File
- Using With Statements, File Modes
- Exception Handling For File Operations, Working With Paths

Project: CSV File Parser Application



PYTHON

Module 15: Regular Expression

- Basics Of Regular Expressions
- Using Regular Expressions In Python

Projects:

1. *Email Validator*
2. *Mobile Number Extractor*
3. *Password Validator*

Module 16: Multithreading

- Creating Threads
- Thread Synchronization
- Thread Communication
- Daemon Threads

*****Assignments Will Be Given After Each Module*****



POSTGRESQL

Module 1: Introduction To Databases And PostgreSQL

- What Is A Database? Types Of Databases
- RDBMS Vs NoSQL (With Examples)
- Why PostgreSQL?, Installing PostgreSQL And PgAdmin
- Introduction To PostgreSQL Ecosystem (CLI Tools, GUI, Drivers)

Module 2: SQL Basics – Table Operations & CRUD

- Filtering With WHERE, AND, OR, IN, BETWEEN, LIKE
- Sorting Results: ORDER BY
- Limiting Data: LIMIT, OFFSET
- Aggregate Functions: COUNT, SUM, AVG, MIN, MAX
- Grouping Data: GROUP BY, HAVING

Module 3: Advanced Joins And Subqueries

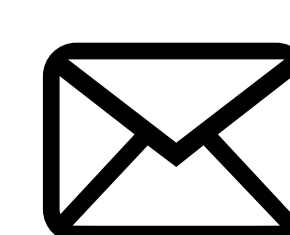
- Types Of Joins:
 - INNER JOIN, LEFT JOIN, RIGHT JOIN, FULL OUTER JOIN
- Writing Nested Queries And Subqueries
- Using Subqueries In SELECT, WHERE, FROM
- Use Cases In Reporting And Data Analysis

Module 4: Views, Indexes, And Query Optimization

- Creating And Using VIEWS
- Materialized Views: Use Cases And Refreshing
- Creating Indexes: B-Tree
- Expression-Based Indexes
- Query Optimization Basics With EXPLAIN ANALYZE
- When And How Indexes Improve Performance

Module 5: Transactions And Data Integrity

- Transactions: BEGIN, COMMIT, ROLLBACK
- Ensuring ACID Properties
- Save Points And Nested Transactions
- Handling Transaction Errors
- Use Cases: Banking Systems, Form Submissions



POSTGRESQL

Module 6: Functions, Stored Procedures, And Triggers

- Defining SQL & PL/PgSQL Functions
- Returning Values, Variables, And Conditional Logic
- Stored Procedures
- Triggers:
 - BEFORE And AFTER Triggers For INSERT, UPDATE, DELETE

Module 7: Relational Modeling And Database Design

- **Normalization:**
 - 1NF, 2NF, 3NF With Examples
- Entity Relationship Diagrams (ERD)
- **Implementing:**
 - One-To-One
 - One-To-Many
 - Many-To-Many (Junction Tables)
- Using UUID As Primary Keys

Module 8: Access Control And Security

- Creating Database Users And Roles
- **Granting And Revoking Permissions:**
 - GRANT, REVOKE
- Role-Based Access Control (RBAC)
- Best Practices For Securing PostgreSQL In Production
- Schema-Level And Table-Level Permissions

Assignments Will Be Given After Each Module



ADVANCED EXCEL

Module 1: Advanced Excel Basics

- Excel Interface Review, Shortcuts & Productivity Tips
- Data Types And Formatting

Module 2: Advanced Formulas & Functions

- Logical Functions (IF, AND, OR)
- Lookup Functions & Text Functions
- Date & Time Functions

Module 3 : Data Cleaning Techniques

- Removing Duplicates
- Text To Columns, Flash Fill
- Data Validation

Module 4: Pivot Tables & Pivot Charts

- Creating Pivot Tables, Advanced Pivot Techniques
- Slicers & Timelines, Pivot Charts

Module 5: Data Visualization

- Charts, Conditional Formatting & Dashboard Creation

Module 6: Power Tools

- Power Query Basics
- Power Pivot Introduction & Data Modeling Concepts

Module 7: What-If Analysis

- Goal Seek, Scenario Manager & Data Tables

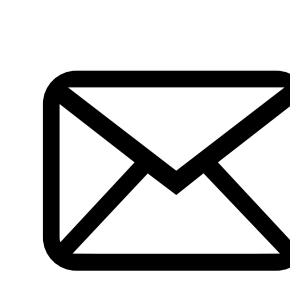
Module 8: Macros & Automation

- Introduction And Recording Macros, Basic VBA Concepts

Module 8: Excel For Data Analytics

- Data Analysis ToolPak,
- Statistical Functions, Real-Time Case Studies

Assignments Will Be Given After Each Module



POWER BI

Module 1: Introduction

- What Is Power BI?, Interface Overview
- **Data Import:** CSV, Excel, SQL Import, Power Query (ETL)

Module 2: Data Import

- CSV, Excel, SQL Import
- Power Query (ETL)

Module 3 : DAX (Basic To Intermediate)

- Calculated Columns
- Measures
- SUM, COUNT, CALCULATE, FILTER

Module 4: Visualizations

- Bar, Line, Pie
- Maps
- Slicers
- Drill-Through
- Tooltips

Module 5: Dashboards & Publishing

- Designing Reports
- Publishing To Power BI Service
- Sharing Dashboards

Projects:

- *Sales Dashboard*
- *Employee Attrition Dashboard*
- *Student Performance Dashboard*

Assignments Will Be Given After Each Module



TABLEAU

Module 1: Introduction

- Tableau Interface
- Worksheets, Dashboards, Stories

Module 2: Connecting Data

- CSV, Excel, SQL
- Data Cleaning

Module 3: Visual Analytics

- Bar/Line Charts
- Scatter Plots
- Maps

Module 4: Filters & Parameters, Calculations

- Calculated Fields
- Table Calculations

Module 5: Dashboards

- Layouts
- Actions (Filter, Highlight, URL)

Projects:

- *Superstore Sales Insights Dashboard*
- *HR Hiring & Attrition Dashboard*
- *Revenue Trend Analysis*

Final Project: Student Performance Analytics System

- Using: Python + NumPy + Pandas + SQL + Power BI/Tableau
- Import Student Data, Clean And Process, Perform Analytics, Visualize In Power BI/Tableau, Generate Dashboard Reports

*****Assignments Will Be Given After Each Module*****



AI FOR DATA ANALYTICS

Module 17: AI For Data Analytics

- Data Analysis Using AI (Upload Data → Get Insights)
- AI-Based Data Cleaning (Missing Values, Duplicates)
- Auto Data Summary (Dataset → Key Insights)
- AI SQL Query Generator (Text → SQL Query)
- AI Dashboard Suggestions (What Charts To Use)
- AI Data Visualization Ideas
- ChatGPT For Data Analysis (Prompt-Based Insights)
- AI For Trend Analysis (Sales / Performance)
- AI For Report Generation (Auto Summary)
- AI For Data Explanation (Complex → Simple)
- Using AI With Python (Basic Integration)
- AI Insights From CSV / Excel Files
- Prompt Writing For Data Analysis

Module 18: AI-Based Data Projects

- AI Sales Analysis Dashboard (Insights + Report)
- AI Customer Behavior Analysis
- AI Resume Screening Dataset Analysis
- AI Financial Data Insights Project
- AI Student Performance Analysis

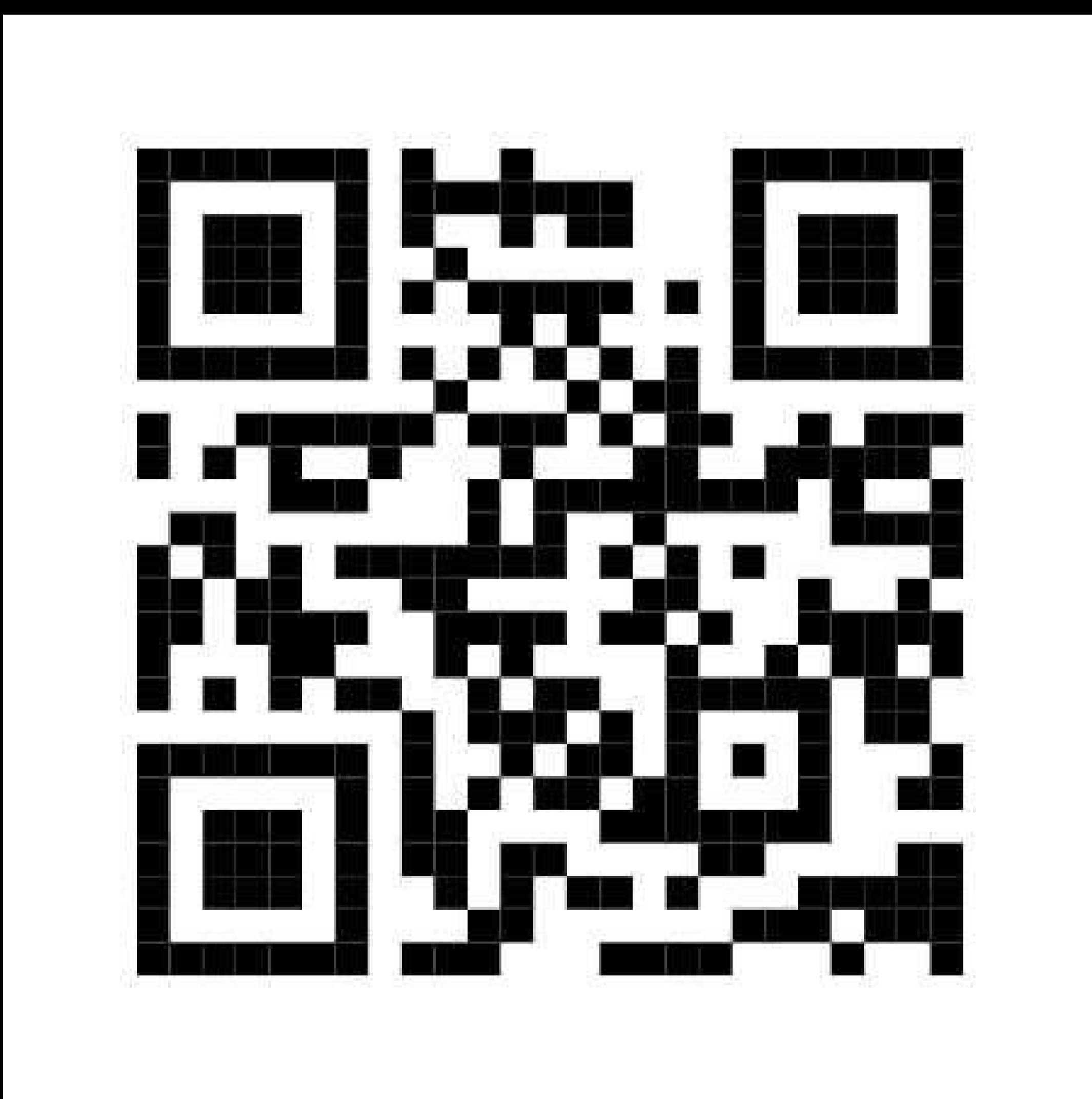
*****Assignments Will Be Given After Each Module*****



“ OUR TRAINEES GOT PLACED IN ”

Connect With Us!



www.payilagam.com



+91 8344 777 333

+91 8883 775 533



info@payilagam.com



No: 7, 1st Main Rd,
BHEL Shakthi Nagar,
Vijaya Nagar,
Velachery, Chennai,
Tamil Nadu 600042