



THE 2026 INDUSTRIAL ROADMAP

The 360° Career Accelerator Program

One Course. Fifteen Skills. Infinite Opportunities. From Coding & AI to Robotics & Management-Bridge the gap between education and employment.

- ✓ 15 Industrial Modules
- ✓ 5 Mock Interview Rounds
- ✓ Hands-on Capstone Projects

Admissions Open for 2026 Batch | Certifications Included





We Are Manufacturers. Not Just Trainers.

Leading the Revolution in Home Automation & Industrial Robotics.

Who We Are

Kamarta® is a premier manufacturing company headquartered in Gurugram and Madhya Pradesh. We specialize in designing cutting-edge Home Automation Systems, Industrial Robots, and IoT Solutions that power the modern world. We are not a coaching institute, we are an R&D-driven organization where technology is built from scratch.

The Kamarta Advantage

While others teach from textbooks, we teach from experience. Our students don't just sit in classrooms; they step into a live manufacturing ecosystem. By learning directly from the engineers who build products for the market, you bridge the gap between "Academic Theory" and "Industrial Reality."



Core Manufacturing:

Leading producers of Automation Kits & Robotic Components.



Innovation Hub:

Dedicated R&D centers in Gurugram and Mandideep.



Industry Supplier:

Trusted partner for supplying components to colleges and industries across India.

Powering the Future of Madhya Pradesh. Trusted by Government. Chosen by 800+ Colleges.



The Government Alliance





Kamarta®

800+
Colleges Network

Strategic Tie-Up with MP Government

We are honored to be the **Official Technical Partners** for the **Madhya Pradesh Government**.

- ✓  **State-Wide Impact:** Mandated to deliver advanced Robotics & IoT training across the state's educational ecosystem.
- ✓  **The 800+ College Network:** Our curriculum is now the benchmark for 800+ Government and Private Colleges, bridging the gap between academic degrees and industrial skills for thousands of students.

The Manufacturing Edge

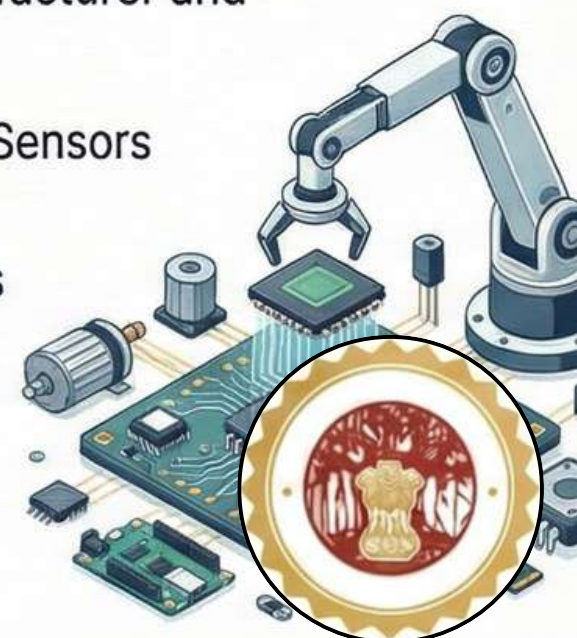


Leading Robotics Supplier

We don't just teach; we supply the technology. Kamarta® is a premier manufacturer and supplier of:

-  Robotic Components & Sensors
-  Home Automation Kits
-  IoT Development Boards

Students learn on the exact industrial components we supply to the market.



Why Choose Our 360° Career Accelerator?

The Industry Gap



The Problem: Most degrees focus on theory, but the industry demands practical execution.

A student might know coding but fails at communication. Or they have great ideas but lack the technical tools (like Power BI or Excel) to present them.

Result: Struggle in placements despite having good grades.



The Integrated Solution



Our Solution: We don't just teach you one thing. We **build a complete professional profile**.

Communication: To present your ideas.

Data & Tech: To execute your ideas.

Hardware & AI: To innovate for the future.

Interview Prep: To land the opportunity.

"We are not just teaching courses, we are building employable professionals."

The Program Structure

Intensive. Immersive. Industrial.



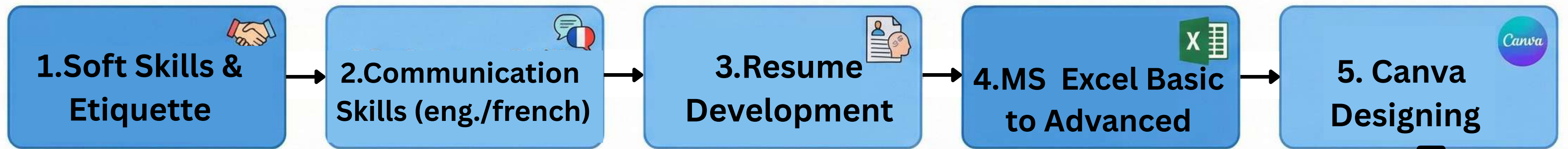
The Output: Who You Will Become

By the end of **16 weeks**, you will transition from a **'Student'** to a **'Product Developer & Data Analyst.'** You won't just pass exams; you will build a **professional portfolio**. **Your Assets:** A GitHub repository full of code, a desk full of robots you built, and the confidence to crack any technical interview.

Your 15-Step Journey to Success

From Fundamentals to Future Tech

The Foundation (Professional Basics)



The Tech Core (Data & Code)



The Innovation (Hardware & Career)



1. Soft skills required in a job & personality development.

1. The Professional Mindset



Cultivate core **workplace values**: Integrity, honesty, and ethical behavior.



Develop complete **accountability** and **ownership** of your tasks.



Master **discipline**, punctuality, and reliability to build trust.

3. Emotional Intelligence & Control



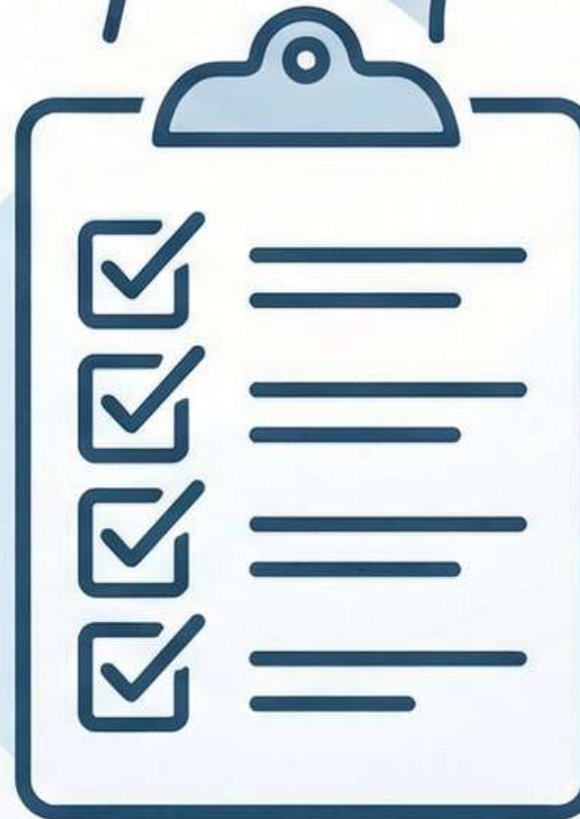
Learn **self-awareness** and how to maintain emotional balance.



Techniques for **managing stress** and workplace pressure calmly.



How to handle **criticism** and **feedback** with a **positive attitude**.



2. Confidence & Presence



Mastering **positive body language** and professional posture.



Grooming standards: First impressions and self-presentation.



Building **assertiveness** and public speaking confidence.

4. Time Management & Productivity



Effective **planning**, **prioritization**, and **meeting deadlines** consistently.



Strategies to avoid **procrastination** and manage multiple tasks.



Maintaining a healthy **work-life balance**.

Workplace Dynamics & Leadership

4. Powerful Communication



Clear verbal communication and active listening skills.



Professional written communication: Email, meeting, and call etiquette.



Expressing complex ideas with clarity and impact.

6. Teamwork & Leadership



Building healthy professional relationships and team collaboration.



Managing conflicts professionally and respecting diversity.



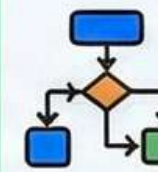
Emerging leadership qualities: Initiative and motivating others.



5. Problem solving and adaptability



Logical thinking and identifying problems accurately.



Creative solution-finding and decision-making under pressure.



Developing a "Growth Mindset": Willingness to learn and upskill.

7. Career Longevity



Understanding workplace manners and respecting hierarchy.



Personal branding: Building a strong professional reputation.



Career awareness and setting long-term success goals.

Interacting with others, leading teams, and solving problems for career success.

2.Communication skill development (English & French)



1. Speaking & Confidence Building

- ✓ **Mastering** pronunciation, fluency, and vocabulary for clear expression.
- ✓ **Professional speaking:** Self-introductions, group discussions, and seminars.
- ✓ **Interview readiness:** Answering confidently in high-pressure situations.



3. Active Listening & Understanding

- ✓ **Critical Listening:** Evaluating information logically.
- ✓ **Empathetic Listening:** Understanding emotions in team interactions.
- ✓ **Overcoming barriers** like semantic noise and psychological stress.



2. Professional Writing & Documentation

- ✓ **Corporate Email Etiquette:** Clear subject lines and formal tone.
- ✓ **Technical Writing:** Creating lab reports, project reports, and research abstracts.
- ✓ **Structuring** essays and technical documents with logical flow.



4. Non-Verbal Mastery

- ✓ **The power of body language:** Eye contact, gestures, and posture.
- ✓ Understanding tone of voice and facial expressions in interviews.

Why it Matters: English is the key to campus placements, global opportunities, and professional growth.

Learn About French Language and Global Culture



1. Foundations & Phonetics

- ✓ Mastering the French sound system, accents, and silent letters.
- ✓ Correct stress, rhythm, and intonation for natural speech.
- ✓ Pronunciation techniques to sound like a native speaker.

Speech Bubble



2. Vocabulary & Conversation



- ✓ Everyday interactions: Greetings, polite expressions, and self-introductions.
- ✓ Essential topics: Numbers, travel, shopping, family, and professions.
- ✓ Handling real-life scenarios: Asking for directions and expressing opinions.



3. Grammar Made Practical

- ✓ Understanding articles, gender rules, and singular/plural forms.
- ✓ Using key verbs (être, avoir, aller, faire) in present tense.
- ✓ Framing questions and building meaningful sentences.



4. Culture & Career Edge



- ✓ Understanding French workplace etiquette (Formal vs. Informal).
- ✓ Career opportunities in tourism, aviation, and MNCs.
- ✓ Preparation for international certifications and work abroad.



3. Resume making and Personality development



1. The ATS-Ready Resume



- ✓ Mastering ATS-friendly resume structures to get past automated filters.
- ✓ Writing a compelling Career Objective and Professional Summary that grabs attention.
- ✓ Strategic presentation of Education, Skills, Projects, and Experience.

Resume Design & Formatting: Customization techniques for a clean, professional look.



2. LinkedIn & Personal Branding



- ✓ **Profile Optimization:** Creating a strong LinkedIn profile to attract recruiters.
- ✓ **Personal Branding:** Building a professional image online.
- ✓ **Networking:** Techniques to connect with recruiters and industry professionals.

Showcasing work through Portfolio and Profile Development.



3. Application Mastery



- ✓ Drafting professional Cover Letters and Job Application Emails.
- ✓ Navigating Online Job Portals and internship platforms effectively.

Final Assessment: Detailed resume and profile evaluation before applying.

Transform your profile from a 'Fresher' to a 'Professional Brand'.

Personality Development & Grooming



1. Grooming & First Impressions

- **Corporate Grooming:** Etiquette, attire, and maintaining professional behavior.
- **Confidence Building:** Mastering self-presentation and assertiveness.
- **Body Language:** Understanding non-verbal cues for impactful communication.



2. Emotional Intelligence (EQ)

- **Self-Control:** Managing emotions and developing self-awareness.
- **Stress Management:** Techniques to handle pressure and anger professionally.
- **Adaptability:** Maintaining a positive attitude in changing environments.



3. Workplace Readiness & Growth

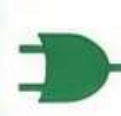


- **Corporate Culture:** Understanding workplace expectations and professional values.
- **Leadership:** Developing teamwork, collaboration, and decision-making skills.
- **Growth Mindset:** Career planning, handling rejection, and continuous upskilling.

Focus on the Soft Power that wins interviews and promotions.

1. Interface & Data Management

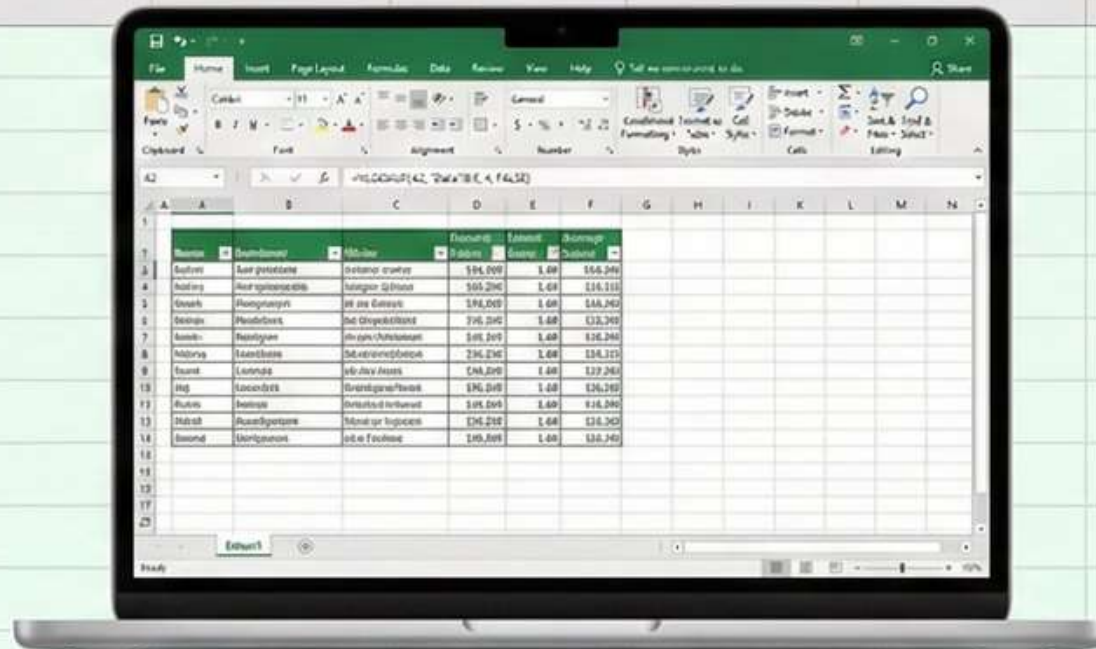
-  **Mastering the Ribbon, Cells, and Navigation Shortcuts.**
-  **Data Entry:** Fill Handle, Flash Fill, and Clipboard hacks.
-  **Formatting:** Custom Number formats, Cell Styles, and Conditional Formatting.
-  **Data Organization:** Sorting, Filtering, and creating Dynamic Tables with Slicers.

2. Formula Fundamentals

-  **Logic Building:** Cell Referencing (Relative, Absolute) and basic Arithmetic.
-  **Statistical Tools:** SUM, AVERAGE, COUNT, MAX, MIN.
-  **Logical Functions:** IF, AND, OR, and Nested IFs for decision making.

3. Advanced Functions (The Job Getters)

-  **Lookup Mastery:** VLOOKUP, HLOOKUP, XLOOKUP (The modern standard), and INDEX+MATCH.
-  **Text Cleaning:** LEFT, RIGHT, MID, TRIM, and TEXTJOIN to fix messy data.
-  **Date & Time:** WORKDAY, NETWORKDAYS, and EOMONTH for scheduling.





1. Data Visualization & Dashboards

Pivot Table Mastery: Slicers, Timelines, Calculated Fields, and Data Analysis.

Charts: Sunburst, Waterfall, Radar, and Combo Charts.

Dashboard Design: Planning KPIs and creating interactive reports for management.

2. Power Query & Automation

Automation & Dashboards

Power Query: Automate data cleaning from PDFs, Folders, and Websites.

Macros: Recording Macros to automate repetitive daily tasks.

Developer Tools: Creating buttons and forms with ActiveX controls.

3. The Future: AI + Excel

ChatGPT Integration: generating complex formulas and VBA code instantly.

AI Data Analysis: Using AI to clean data and generate dummy datasets for practice.

QR Code Generator: Building functional tools inside Excel.

The Project Outcome: You will build a fully functional Sales Dashboard and an Automated Data Cleaning Tool.



5. Advanced Canva Designing



1. Brand Identity Expert

You won't just make posts; you will build businesses. Learn to define Brand Strategy and craft professional Logos and Brand Boards from scratch. Master the art of Color Palettes and Typography to create cohesive Style Guides that companies pay for.



Video



AI



Web

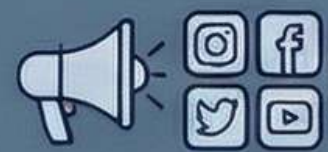


Print



2. The AI & Video Producer

Step into the future with Magic Studio and VEO3. Learn to generate Original Images and write Video Prompts to create cinematic content instantly. You will edit professional Reels, TikToks, and Shorts and use AI to Storyboard and automate your entire video workflow.



3. Social Media Manager

Create high-engagement Instagram Carousels, Facebook Covers, and click-worthy YouTube Thumbnails for platform dominance. Schedule posts with the Content Planner and generate hundreds of designs instantly using Bulk Create data automation.



4. Web & Interactive Designer

Move beyond static images. Build functioning Landing Pages and Portfolios with Canva Websites. Learn to integrate Interactive Maps, Charts, and even code educational games using Canva Code 2.0.

6.Data Analytics Certification

Master the "Big Three" of the Industry: Excel, SQL, and Python



1. Advanced Spreadsheet Engineering (Excel)

- ✓ **The Logic Engine:** Master modern formulas including XLOOKUP, VLOOKUP, and Index-Match for advanced data retrieval.
- ✓ **Visualization:** Create dynamic Pivot Tables and advanced charts (Waterfall, Map Charts, and Scatter Plots).
- ✓ **Automation:** Use Macros to automate repetitive tasks and integrate ChatGPT for instant problem-solving.






2. Relational Database Management (SQL)

- ✓ **Database Architecture:** Understand Primary Keys, Foreign Keys, and the SQL Server environment.
- ✓ **Query Mastery:** Execute complex commands (SELECT, UPDATE, DELETE) and advanced filtering (WHERE, LIKE, IN).
- ✓ **Advanced Analytics:** Perform deep analysis using Joins (Inner, Left, Right) and Window Functions like RANK and Running Totals.



3. Programming for Data Science (Python)

-  **Core Syntax:** Master the environment, variables, and fundamental data types.
-  **Data Structures:** Work with Lists, Dictionaries, Tuples, and Sets to organize massive datasets.
-  **Logic & Control:** Build algorithms using While Loops, List Comprehensions, and logical operators to automate analysis.

Career Outcome: You will be able to extract raw data (SQL), process and automate it (Python), and visualize the insights for stakeholders (Excel).

7. Power BI - Basic to Advanced

Mastering the Data Engineering Behind the Dashboard



1. The ETL Engine (Power Query)



Connect & Combine: Learn to connect to Databases, Folders, and Web sources, then merge and append queries to unify your data.



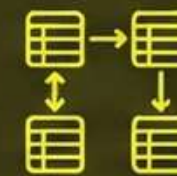
Transformation: Master 'Column Quality' and 'Data Profiling' to clean messy data.



Advanced Shaping: Perform complex tasks like Grouping, Pivoting, and Unpivoting directly in the query editor.



2. Data Modelling Strategy



Schema Design: Build professional Star Schemas and Snowflake Schemas to ensure your reports scale.



Relationship Management: Understand Cardinality, Active vs. Inactive relationships, and how to manage Bi-Directional filters.



Optimization: Hide technical fields and create Hierarchies for a cleaner user experience.



3. Mastering DAX (Data Analysis Expressions)



Calculated Logic: Move beyond simple sums with Calculated Columns and Explicit Measures.



The 'CALCULATE' Engine: Master the most powerful function in Power BI to filter and modify context.



Time Intelligence: Build logic to compare Sales YoY (Year over Year), MoM (Month over Month), and Rolling Averages.

Visual Storytelling & AI

Designing Interactive Reports for Decision Makers



1. Professional Visualization



Visual Library: Master Key Visuals like KPI Cards, Matrix Tables, Donut Charts, and advanced Maps.



Tooltip

Formatting: Use Conditional Formatting to highlight trends automatically and create Custom Tooltips for hover-over insights.



Layout: Design mobile-optimized layouts so managers can view reports on their phones.



2. Advanced Interactivity & UX



Navigation: Create app-like experiences using Bookmarks, Page Navigation Buttons, and Drill-Through filters.



Slicers: Master the Slicer Panel and "Apply All" buttons to let users filter data dynamically.



Dynamic Parameters: Use Field Parameters to let users swap between metrics (e.g., switch a chart from 'Sales' to 'Profit' with one click).



3. AI Integration & Performance



Artificial Intelligence: Use "Smart Narratives" to auto-write summaries and "Decomposition Trees" to find root causes of data changes.



Q&A Visual: Type questions in plain English (e.g., "What were total sales in March?") and get instant answers.



Speed Optimization: Use the Performance Analyzer to ensure your dashboard loads instantly.

8.1 PYTHON

From Scripting to Intelligent Systems



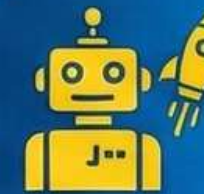
1. Core Logic & Data Structures

- **The Foundation:** Master dynamic typing, memory management, and how to 'think like a programmer'.
- **Data Structures:** deeply understand Lists, Tuples, Dictionaries, and Sets for handling massive amounts of data efficiently.
- **Control Flow:** Write efficient logic using Loops, Guard Clauses, and Functions with recursion.



2. Advanced Python & OOP

- **Object Oriented Programming:** Master Classes, Inheritance, and Encapsulation to build scalable software.
- **Advanced Tools:** Use Decorators, Context Managers, and Generators to write clean, professional code.
- **File I/O:** Handle text and binary files safely with exception handling.



3. The Mega Projects (Real World)

- **Web Intelligence System:** Build a bot that crawls websites, scrapes data, and sends automated email alerts based on price drops or news.
- **RAG-Based AI:** Create a personal AI tool where you upload PDFs and ask the AI questions based only on your documents.



Future-Proof Your Career with the Language of AI and Automation.

8.2 C++ & Game Development

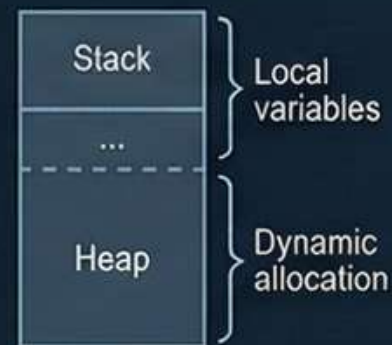
Mastering Low-Level Control and Performance



1. Memory Mastery & Pointers




- System Control:** Understand the difference between Stack and Heap memory. *Note:* General programming concept reinforced in C++ context.



- Pointers & References:** Master direct memory manipulation, pointer arithmetic, and dynamic allocation (new/delete).

Dynamic & Allocations

```
int* p = new int;
*p = 10;
delete p;
```



- Safety:** Learn to avoid memory leaks and dangling pointers, a crucial skill for system architects.



```
int* p = nullptr;
```



2. Object-Oriented Game Architecture



- Polymorphism:** Use Virtual Functions and Abstract Classes to create flexible game entities.

- Game Logic:** Build robust game loops, collision detection systems, and event handling.

- Templates:** Use Generic Programming and Function Templates for reusable, high-speed code.



Examples:

```
template<typename T>
T max(T a, T b) {
    return (a > b) ? a : b;
}

max(10, 20);
max(10.5f, 20.5f);
```



3. The Mega Projects (Game Engines)



- 2D Physics Engine:** Build a rendering engine from scratch that simulates gravity, rigid-body physics, and vector math.



- Arcade Game:** Develop a fully playable Space Shooter or Platformer using standard libraries.



High-Performance & System-Level Control - The C++ Advantage

8.3 Java

The Backbone of Enterprise Software



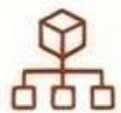
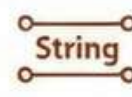
1. The Java Ecosystem (JVM)



Architecture: Understand the JVM, Bytecode, and the "Write Once, Run Anywhere" philosophy.



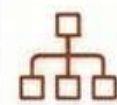
Core Syntax: Master Loops, Operators, and String immutability.



OOP Design: Deep dive into Interfaces, Abstract Classes, and Dynamic Method Dispatch.



2. Advanced Engineering



Collections Framework: Master ArrayLists, HashMaps, and TreeSets to organize complex data.



Multithreading: Create high-performance applications using Threads, Synchronization, and Executor Frameworks.



Functional Programming: Use Lambda Expressions and the Streams API for modern data processing.



3. The Mega Projects (Backend Systems)



Multi-Threaded Server: Build a Real-time Chat Application that handles multiple users simultaneously.



Inventory System: Create a full CRUD database system connected to MySQL/PostgreSQL.



Enterprise Standard. Banking Grade Stability. Backend Architecture.

8.4 Web development

Java Spring Boot (Backend) + React JS (Frontend)

1. The Modern Architecture

Server/Database

Browser/UI

1. The Modern Architecture



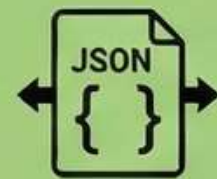
Decoupled Systems

Understand how to split the "Logic" (Backend) from the "User Interface" (Frontend).



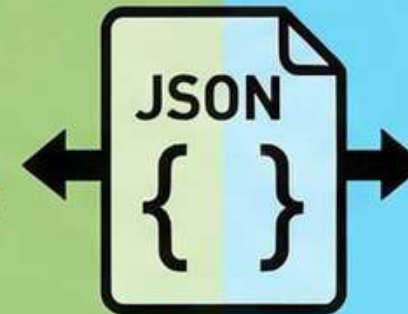
API-First Design

Learn how Java exposes data via REST APIs and how JavaScript consumes it.



The Bridge

Master JSON as the universal language transferring data between server and browser.



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Decoupled Systems

Understand how to split the "Logic" (Backend) from the "User Interface" (Frontend).

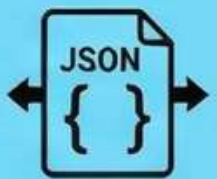


API-First Design



The Bridge

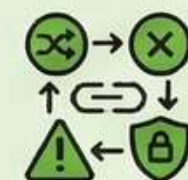
Master JSON as the universal language transferring data between server and browser.



2. Backend & Frontend Mastery

Java Backend (Spring Boot)

Build REST Controllers, Services, and connect to databases using JPA/Hibernate and Spring Boot.



Integration

Handle CORS errors, HTTP Status Codes (200, 404, 500), and Authentication.

2. Backend & Frontend Mastery

JavaScript UI (React)

Master the DOM, Async/Await, and React for building dynamic, component-based interfaces.

3. The Capstone Project

Productivity Suite

Build a complete Task Management System or E-Commerce Dashboard.

You will build the API, design the Database, create the UI, and deploy the application.

8.5 App Development

Build for Billions. **Android, iOS, and Cross-Platform.**



1. The Tech Stack (Native & Hybrid)



Android Development: Master Java & Kotlin to build high-performance Native Android Apps using Learn Activities, Fragments, and XML Layouts.



Cross-Platform Power: Write code once and run it everywhere using Flutter (Dart) and React Native (JavaScript).



UI/UX Design: Design user-friendly interfaces using Material Design, Navigation patterns, and responsive layouts.

2. Backend, Database & Cloud



API Integration: Connect your app to the internet using REST APIs and JSON parsing to fetch live data.



Data Storage: Save user data offline with SQLite & Room Database and sync it online using Firebase Realtime Database.



Firebase Suite: Implement Google Authentication, Cloud Storage, and Push Notifications to boost engagement.

3. Launch & Monetization



Deployment: Learn the complete release process—App Signing, Build Generation, and publishing to the Google Play Store.



App Store Optimization (ASO): Techniques to rank your app higher in search results.



Monetization: Make money from your apps using Ad Integration (AdMob), In-App Purchases, and Subscription models.



Practical Portfolio

Projects You Will Build: Social Media App (Firebase) | E-Commerce Store (API Integration) | Expense Tracker (Room DB)



9.Cloud Basics (AWS / Azure)

Mastering the Global Leaders: Amazon AWS & Microsoft Azure



1. Cloud Fundamentals & Security



2. The Service Stack (AWS vs. Azure)

		Category		
	EC2 (Virtual Servers) & Lambda (Serverless)	Compute	Azure VMs & Azure Functions 	
	Amazon S3 (Object Storage) & EBS	Storage	Azure Blob Storage & Disk Storage 	
	VPC (Virtual Private Cloud)	Networking	Azure VNet (Virtual Network) 	
	Amazon RDS & DynamoDB	Databases	Azure SQL & Cosmos DB 	

3. Projects & Certification



Hands-On Deployment:
You will launch a live Virtual Machine, configure Auto Scaling, and host a Static Web Application globally.



Monitoring & Cost:
Track performance with CloudWatch/Azure Monitor and manage budgets to stay within the Free Tier.



Career Path: 
Direct preparation for AWS Cloud Practitioner and Microsoft Azure AZ-900 certifications.

10.Cyber Security - Basic to Advanced

Protecting Networks, Data, and Infrastructure.



1. Network Defense & Cryptography



Core Fundamentals: Master the OSI Model, TCP/IP, and IP Subnetting to understand how data moves.



Defensive Measures: Learn to configure Firewalls, Intrusion Detection Systems (IDS), and Network Segmentation.



Encryption: Secure data using Cryptography, Digital Signatures, and Public Key Infrastructure (PKI).



2. Ethical Hacking & Vulnerability Assessment



Offensive Security: Understand the ethical hacking methodology: Footprinting, Reconnaissance, and Scanning.



Threat Identification: Identify common threats like Malware, Phishing, Ransomware, and Social Engineering attacks.



Web & App Security: Learn Secure Coding practices and how to detect common Web Vulnerabilities.



3. Forensics, Cloud & Governance



Digital Forensics: Learn the process of evidence collection, preservation, and log analysis for investigations.



Cloud Security: Secure modern Cloud environments (IaaS/PaaS/SaaS) and Mobile Operating Systems.



Incident Response: Master the lifecycle of handling security breaches and Disaster Recovery planning.






Practical Focus: You will complete a Security Assessment Project and learn to report vulnerabilities professionally.

11. The Ultimate AI Toolkit

Mastering ChatGPT, Google Gemini, and Microsoft Copilot.





1. The Foundations: Prompt Engineering



-  **The Golden Formula:** Stop guessing. Learn the "Role + Context + Task + Format" formula to get perfect answers every time.
-  **Know Your Tools:** Understand when to use ChatGPT (Creative Logic) vs. Google Gemini (Research & Ecosystem) vs. Copilot (Office Tasks).
-  **The "Conversation" Mindset:** Learn to refine outputs and fix AI mistakes to treat AI as a partner, not just a search engine.

2. AI for Office & Work (Google & Microsoft)



Google Workspace (Gemini):

-  **Docs & Sheets:** Use "Help me write" to draft letters and "Help me organize" to create custom tables and complex formulas instantly.
-  **Slides:** Generate original AI images and summarize presentations for speeches.


Microsoft Office (Copilot):

-  **Word & PPT:** Convert a boring list into a professional table or create a full Presentation directly from a Word document.
-  **Excel:** Analyze trends, highlight data, and filter results using simple natural language.

3. AI for Life & Career Growth

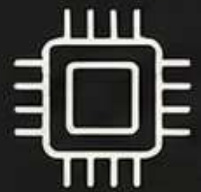
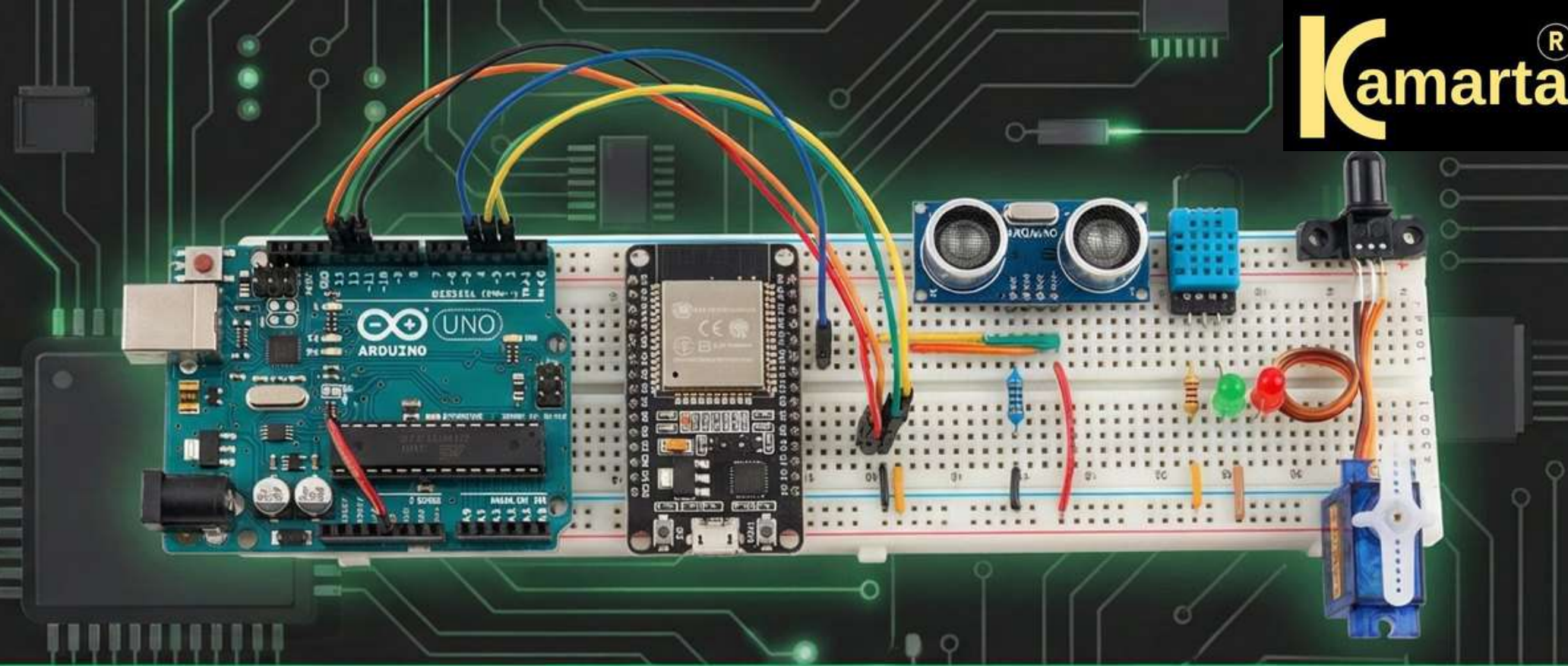
-  **Personal Assistant:** Save 5+ hours a week by using AI to plan detailed 5-Day Travel Itineraries and weekly Meal Plans (Diet & Budget friendly).
-  **Education & Career:** Use the "Explain like I'm five" technique for complex topics, run Mock Interviews for specific job roles, and review your Resume.

The Outcome

-  **Real-World Projects:** 1. Create a 'Smart Vacation Budget' in Google Sheets. 2. Draft a Formal Inquiry Letter using AI. 3. Plan a 7-Day Healthy Meal Plan exportable to Excel.

12. Embedded Systems, IoT & DIY

Bring Your Code to Life with Hardware



1. The Brains: Microcontrollers

- **Arduino Platform:** Master the industry-standard Arduino Uno and Nano. Learn to program GPIO pins, manage memory, and handle interrupts.
- **ESP32 Powerhouse:** Step up to the Dual-Core ESP32. Unlock WiFi, Bluetooth, and advanced processing power that standard Arduinos can't handle.
- **Architecture:** Understand the difference between Microprocessors vs. Microcontrollers and how to manage power efficiently.



2. The Senses: Sensors & Vision

- **Perception:** Interface with Ultrasonic (Distance), IR (Proximity), and Environmental Sensors (Temp/Humidity/Gas).
- **Machine Vision:** Use the ESP32-CAM module to capture images and stream video footage over WiFi.
- **Motion & Orientation:** Track movement using Accelerometers and Gyroscopes (MPU6050).



3. The Action: Motors & IoT Connectivity

- **Robotic Movement:** Control DC Motors (L298N Driver), Servo Motors (Precision Arms), and Stepper Motors (3D Printers/CNC).
- **Internet of Things (IoT):** Connect your devices to the Cloud. Send sensor data to dashboards using MQTT and HTTP APIs.
- **Wireless Control:** Build apps to control your robot via Bluetooth (BLE) or WiFi.




Build It: Smart Home Controller (WiFi) | IoT Weather Station | Camera Streaming Bot

13. Robotic Science

Mechanics.Kinematics.Intelligence. From Theory to Reality.

1. Mechanics & Kinematics (The Body)

Robot Anatomy:
Understand the skeletal structure, joint types (Revolute, Prismatic), and calculate Degrees of Freedom (DOF).



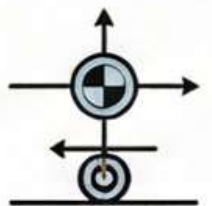
The Math of Motion:
Master Forward Kinematics (predicting where the arm goes) and Inverse Kinematics (calculating angles to reach a target).

$$T = Rot \cdot Trans$$

$$T = Rot \cdot Trans$$


$$T = \frac{R_{rot}}{T_{rot}} \cdot \frac{T_{trans}}{T_{trans}}$$

Stability:
Analyze Center of Mass and Static Equilibrium to prevent your robot from tipping over.




2. Intelligence & Control (The Brain)

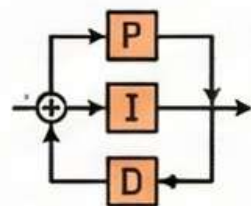
Sensor Fusion:
Combine data from IMUs (Accelerometers/Gyroscopes) and Encoders using Kalman Filters for precise tracking.



Navigation (SLAM):
Implement Simultaneous Localization and Mapping (SLAM) to let robots build maps and navigate autonomously.

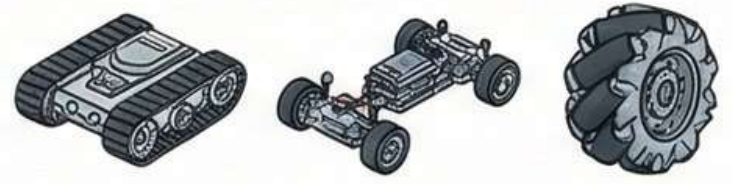


Control Systems:
Tune PID Controllers (Proportional, Integral, Derivative) for smooth, error-free movements.




3. Advanced Locomotion (The Movement)

Drive Systems:
Build robots with Differential Drive (Tank style), Ackermann Steering (Car style), and Mecanum Wheels for omnidirectional movement.



Future Robotics:
Introduction to Humanoid bipedal walking, Aerial Robotics (Drone dynamics), and Swarm coordination.




14.Digital Marketing

Dominate the Internet. From SEO to Social Media Fame.

1. Organic Growth (Traffic & Content)



Website & SEO

Master WordPress to build professional sites. Learn SEO (On-page, Off-page, & Technical) to rank #1 on Google without paying for ads.



Content is King

Create viral content strategies for Blogs, Reels, and Videos. Master Copywriting to write headlines and CTAs that sell.



Video & YouTube

Launch and optimize a YouTube Channel, utilizing Video SEO to engage audiences.

2. Paid Performance (Ads & Social)



Google Ads (SEM):

Run profitable campaigns on Search, Display, and Video. Master Bidding Strategies and Budgeting to get the best ROI.



Social Media Marketing (SMM):

Build brands on Instagram & Facebook. Learn Influencer Marketing and Community Management to boost engagement.



E-Commerce:

Market products on Amazon and Flipkart and optimize listings for maximum sales.

3. Strategy & Analytics (Data)



Data Intelligence:

Use Google Analytics to track user behavior, traffic sources, and conversion rates.



AI & Automation:

Use AI Tools and Chatbots for customer interaction and predictive analytics.



Email Marketing:

Build email lists and set up Automation Drip Campaigns to nurture leads.

Career & Freelancing



Launch Your Career: Learn Client Acquisition, Proposal Writing, and Freelancing on global platforms.



Capstone Project: Run a Live Ad Campaign and present a Performance Report.



15. The Placement Blueprint

From “Candidate” to ‘Hired.’ The Final Step.



1. Personal Branding & Presence



The First 30 Seconds: Master the art of the perfect introduction, body language, and the professional handshake.



Digital Identity: Optimize your Resume and LinkedIn profile to pass ATS (Applicant Tracking Systems) and hook recruiters instantly.



The Pitch: Craft a compelling ‘Tell Me About Yourself’ pitch that defines your personal brand.



2. Interview Mastery (Technical & Behavioral)



Technical Rounds: Learn to explain complex code or logic on a white-board and handle pressure when you don't know the answer.



The STAR Method: Answer behavioral questions (e.g., ‘Describe a conflict you faced’) using the Situation, Task, Action, Result framework.



Group Discussions (GD): Master the ‘Peace-Maker’ strategy to stand out in crowded discussions without being aggressive.



3. The Offer & Corporate Transition



HR & Negotiation: Decode the ‘CTC vs. In-Hand’ salary structure and learn to negotiate your package without sounding greedy.



Corporate Culture: Prepare for your first 90 days, including email etiquette and navigating office politics.



The 5 Opportunities: We schedule 5 Mock & Technical Interviews for you, providing real-time feedback and post-interview analysis.



The Final Outcome = You will walk Away with a polished Resume, Interview Confidence and a **Opportunity to Work in Our Company.**

Don't Just Get Certified. Get Successful.

Why Our Students Win Where Others Struggle.



The Entrepreneurship Edge

"Business-Ready Mindset": Because we teach Digital Marketing + Manufacturing together, our students don't just look for jobs—they build them.

The Stat: Over 40% of our graduates launch their own Freelancing Agencies or Tech Startups within 1 year of completion.

Don't Just Learn. Build.

Your 15-Project Portfolio Ready for Recruiters.

Group A: Software & App Development



The Super App

A functional Expense Tracker or Social App using Firebase & Flutter.



The Game Engine

A 2D Physics or Arcade Game built from scratch in C++.

Group B: Hardware & Robotics



The Web Platform

A Full-Stack Task Management System using Java Spring Boot & React.



The Smart Home

An IoT Home Automation System controlled via WiFi/Mobile App.

Group C: Data & Intelligence



The Executive Dashboard

An interactive Power BI Report with AI Smart Narratives and Drill-downs.



The Financial Model

An Automated Excel Dashboard with Macros and VBA.



The Security Audit

A Vulnerability Assessment Report identifying network threats.



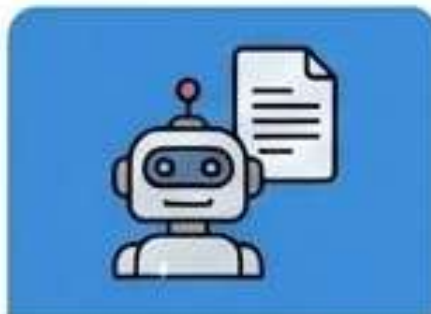
The Cloud Host

A live Static Website hosted globally on AWS/Azure.



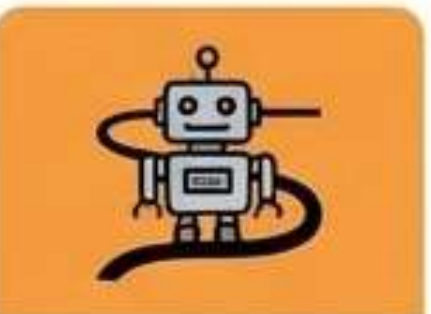
The Web Platform

A Full-Stack Task Management System using Java Spring Boot & React.



The AI Bot

A RAG-Based Personal AI Tool that answers questions from your own PDF documents.



The Autonomous Bot

A Line-Following Robot with PID control algorithms.



The Weather Station

An IoT device that logs temperature and humidity to the Cloud.

Group D: Business & Brand



The Brand Kit

A complete Corporate Identity (Logo, Style Guide, Social Assets) created in Canva.



The Campaign

A real-world Digital Marketing Ad Campaign with performance analytics.



The 'Hired' Profile

An ATS-Optimized Resume and a 'Star' LinkedIn Profile.



The Interview

Completion of 5 Mock Technical Interviews with feedback reports.

All source code and hardware schematics are yours to keep for your GitHub portfolio.



The 6-Month Experience Advantage. We Don't Just Train You. We Hire You.

1. The Experience Letter (The Game Changer)

- **More Than a Certificate:** Upon completion, you receive a 6-Month Internship Experience Letter from Kamarta (a registered Manufacturing Company).
- **Why It Matters:** In the job market, 'Experience' beats 'Fresher' every time. This letter proves you have worked on live industrial projects, giving you a massive head start over other candidates.

2. The Internal Hiring Opportunity

- **Scouting Talent:** We constantly look for bright minds for our R&D centers in Gurugram and Mandideep.
- **The Promise:** Exceptional performers in the batch will be interviewed for a **Full-Time Job** at Kamarta immediately after the course. Learn with us, then work with us.



Kamarta[®] Your Destination: Financial Independence

Start Your Career with a High-Growth Package.

₹4.8 LPA

The Kamarta R&D Offer:

Role: Junior R&D Engineer / Automation Specialist

Location: Gurugram or Mandideep

The Roadmap to 4.8 LPA



**Step 1:
The Foundation**
(Months 1-4)

Complete the **360° Training**.
Build your robots, code your apps,
and finish your **Capstone Projects**.



**Step 2:
The Validation**
(Month 5)

Receive your **6-Month Experience Letter**. Your resume is now
"Industry-Verified."



**Step 3:
The Challenge**
(Month 6)

Crack the **Internal Technical Interview**. Show us your logic, not
just your memory.



**Step 4:
The Offer**
(Day 1 of Job)

Sign your **offer letter** and
join the **Kamarta Innovation Team**.

Experience the Quality Before You Invest. 3 Days. Completely Free. No Hidden Charges.

Experience the Quality Before You Invest. 3 Days. Completely Free. No Hidden Charges.

1. The 'Try Before You Buy' Promise

We are so confident in our manufacturing-based training that we invite you to audit the course for free.

No Commitment: Attend live classes, interact with mentors, and see our labs for 3 days. If you don't love it, you don't pay.



2. What You Will Experience in 3 Days:

- **Day 1:** Introduction to the Industrial Ecosystem.
- **Day 2:** Your first hands-on logic building session.
- **Day 3:** Live interaction with our R&D Engineers.

Book Your Free Demo Slot Today.



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- ✓ 15+ Capstone Projects
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- ✓ Course Certification upon completion

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Job Assistance Included

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Start Your Journey in 3 Simple Steps

Seamless Admission Process.

1

Scan & Enter

Click the link below or
Scan this QR Code.



Scan to Visit the Portal



2

Sign In

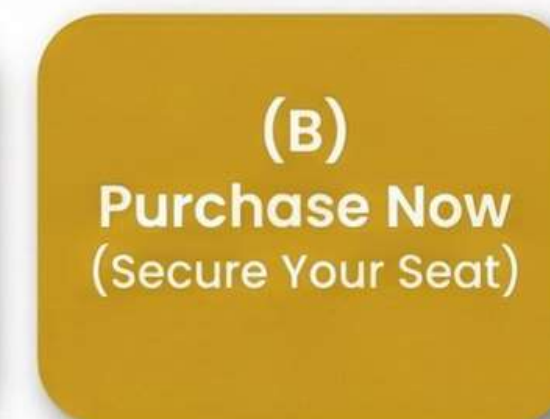
Sign in using your Email ID
& Phone Number.



3

Choose Your Path

Simply click on:



That's it! It's a simple 3-step process.

Still Confused?

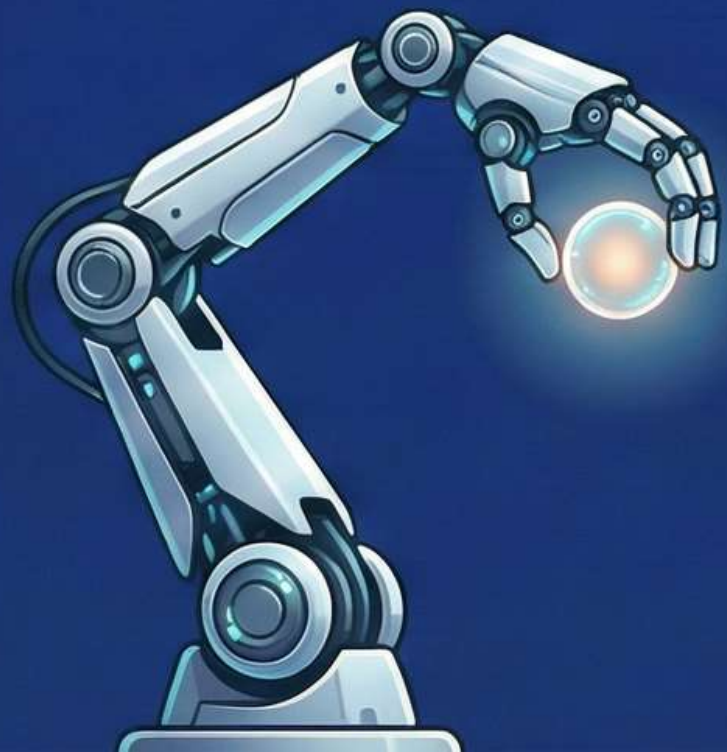
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GET IN TOUCH

We welcome fresh talent to participate in our robotics placement drive. Join us to transform your potential into a full-time career, contribute to real-world innovation, and secure your place in the industry. Let's build the future together.



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