



# Vibe Coding

“Develop software faster with AI Agents & Tool Vibe Coding”

## Summary :

Develop software faster with AI Agents & Tool Vibe Coding: Build Software Products Faster with AI Tools.

Organised by RMSoEE, IIT Kharagpur Vibe Coding is an intensive, hands-on online development course designed to empower aspiring software product developers with modern, low-code AI tools.

The 4-week program equips participants to create and launch end-to-end software products using platforms like n8n, Supabase, Lovable/Bolt, Cursor, and Firebase—all with free hosting and development options.

## Curriculum Overview :

### • **Week - 1 :**

Product Fundamentals & Setup Set up Supabase (CRUD tables), install n8n, and build a simple UI using Lovable/Bolt. Create a basic signup/login flow as the first mini-project.

### • **Week - 2 :**

Backend Development with n8n Develop CRUD APIs, build email and Slack/Discord automations, and learn error handling techniques. Output includes backend workflows and integrated notifications.

### • **Week - 3 :**

Frontend Development & Integration Design dashboards, connect frontend to Supabase, implement authentication, and real-time updates. Deliver a functional, authenticated dashboard as a mini-project.

### • **Week - 4 :**

MVP Launch Prioritize MVP features, finalize backend/frontend, and deploy using free platforms. End the week with a live demo and feedback session showcasing your complete product.

### • **Week - 5 to 8 :**

The first 4 weeks focus on mastering tools like Supabase, n8n, and Lovable through structured learning. In the final 4 weeks, you'll apply your skills to build real-world projects—taking your ideas from concept to a working MVP.

## Tools Covered :

- **n8n** – Backend automation and workflows
- **Hosting Platforms** – Vercel, Railway, etc.
- **Lovable/Bolt** – Low-code frontend development
- **Supabase** – Database, authentication, and APIs

## Certificate :



## Eligibility :

Open to all UG/PG students across departments and working professionals in development and product roles.

## Evaluation Criteria :

Mini-Projects: 40% Participation: 20% Final MVP: 30% Reflection Report: 10% Each project is assessed on functionality, integration quality, and user experience.

## Additional Learning & Support Weekend Workshops :

Cover product launch tactics, growth hacking, and feedback collection strategies.  
Sunday Q&A: Live troubleshooting and mentoring with instructors.

## Projects Include :

1. Automated linkedin post generation and posting
2. AI-driven image generation and posting on Instagram
3. Automating content posting to various social media
4. AI-powered workflow for identifying and researching potential customers
5. CRM Tool for Freelancers

## Final Submission Requirements :

Live frontend URL Screenshots/videos of backend workflows Supabase table exports One-page reflection report.

## Registration Link :

[https://ktech.click/course\\_details/688afd6b8b4c7616bc7a5159](https://ktech.click/course_details/688afd6b8b4c7616bc7a5159)

## Registration Fees :

Students:  
INR 500 + 18% Gst = 590

Working Professionals:  
INR 1000 + 18% Gst = 1180

## Timing & Schedule :

Timings - 3 days a week (2 Hours per day)

Recording accessible, doubt clearing and interaction sessions

Weekly Quizzes, Simulation Modules with online demonstrations

Course Begins: 30<sup>th</sup> April 2026 | Platform: Ktech

## Program Fees :

Students: INR 10k + 18% Gst\*

Working Professionals: INR 30k + 18% Gst\*

Special Discounts for Students\*

\*Conditions Apply

## Program Coordinators :

Prof. Mrigank Sharad, Mr. Rakesh Sharma

Email: [mrigank@see.iitkgp.ac.in](mailto:mrigank@see.iitkgp.ac.in)

Dr. Piya Sen

Email: [piya.sen@ktech.ltd](mailto:piya.sen@ktech.ltd)

Phone No.: 8584979746