Jaipur Engineers

Your One-Stop IT & Staffing Ecosystem

DIPLOMA PROGRAMS

Software Engineering Diploma

SAMPLE PROJECT

Software Engineering Capstone



COURSE FEE

Fee on enquiry

JAIPUR, RAJASTHAN

+91 70146 92039

Software Engineering Diploma

Core concepts



01	Programming, algorithms, OOP and computer science foundations
02	Responsive frontend interfaces, JavaScript and components
03	Backend APIs, authentication and SQL/NoSQL data modelling

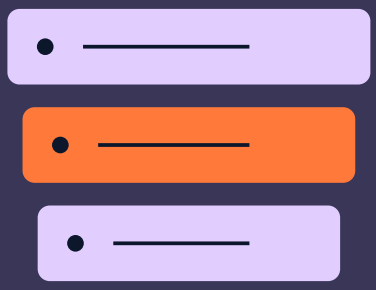
Scope the work

List the deliverables and identify which skills each one demonstrates.

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Applied skills

- **Design**
- **Build**
- **Demonstrate**



04	Git, development lifecycles, code review and quality assurance
05	AI-assisted development, cloud deployment, Docker and CI/CD
06	Capstone delivery, portfolio presentation and internship preparation

PROJECT DELIVERABLES

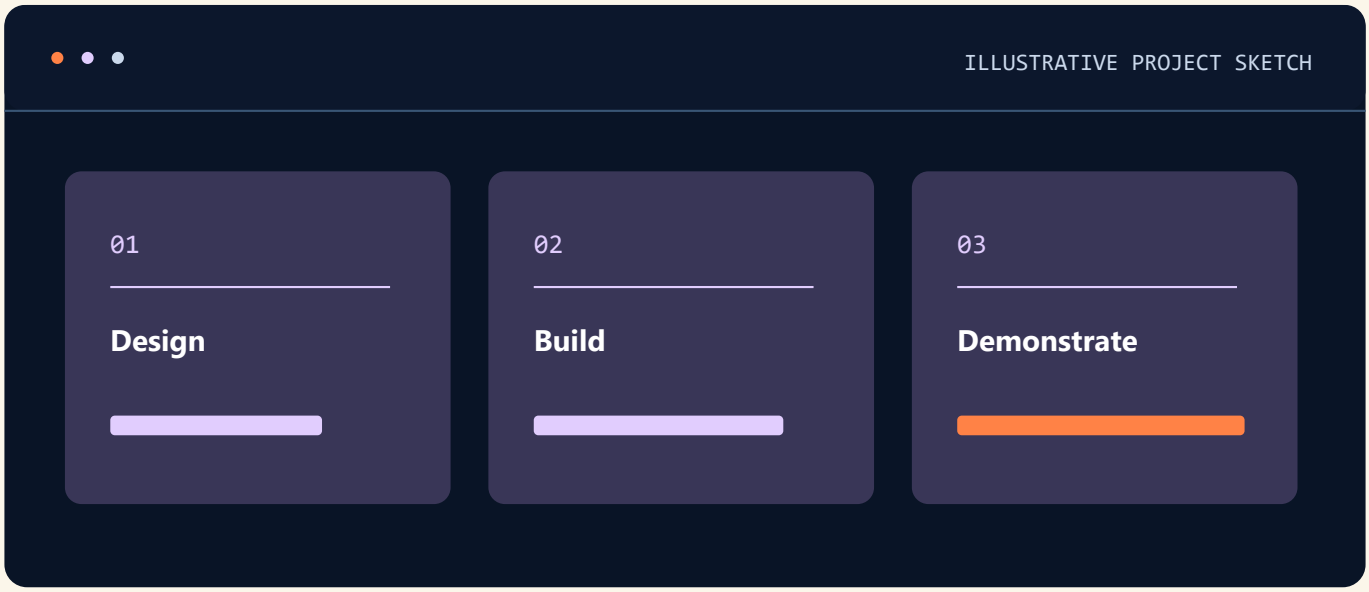
A portfolio brief, documented milestones and a demo or track-selection summary.

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Portfolio project

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Take a team application from requirements and data design through testing, deployment and a portfolio demonstration.



Scope the work

List the deliverables and identify which skills each one demonstrates.

Review milestones

Record completed work, feedback and the changes made before the demonstration.

A portfolio brief, documented milestones and a demo or track-selection summary.

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Course fees

COURSE FEE

Fee on enquiry

Ask admissions for the course fee, available batches and enrolment details.

ADMISSIONS

+91 70146 92039

info@jaipurengineers.com

122/228, Indra Path, Thadi Market

Mansarovar, Jaipur, Rajasthan 302020

SCAN FOR MAP

Check course details

Software Engineering Diploma

Course content

MODULES 01–02

01

Lessons & practice

- Programming
- Algorithms
- OOP
- Computer science foundations

HANDS-ON

Write and test a small application using algorithms and object-oriented design.

02

Lessons & practice

- Responsive frontend interfaces
- JavaScript
- Components

HANDS-ON

Build a reusable responsive frontend with state and accessible controls.

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Course content

MODULES 03–04

03

Lessons & practice

- Backend APIs
- Authentication
- SQL/NoSQL data modelling

HANDS-ON Connect backend data models and authenticated endpoints to the interface.

04

Lessons & practice

- Git
- Development lifecycles
- Code review
- Quality assurance

HANDS-ON Review a change in Git and apply automated quality checks.

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Course content

MODULES 05–06

05

Lessons & practice

- AI-assisted development
- Cloud deployment
- Docker
- CI/CD

HANDS-ON

Use human-reviewed AI assistance and practise container deployment through CI/CD.

06

Lessons & practice

- Capstone delivery
- Portfolio presentation
- Internship preparation

HANDS-ON

Demonstrate a capstone and hand over project documentation and portfolio evidence.