SPECBITS
Training | Improvement | Evaluation

PHP, MYSQL, AND LARAVEL
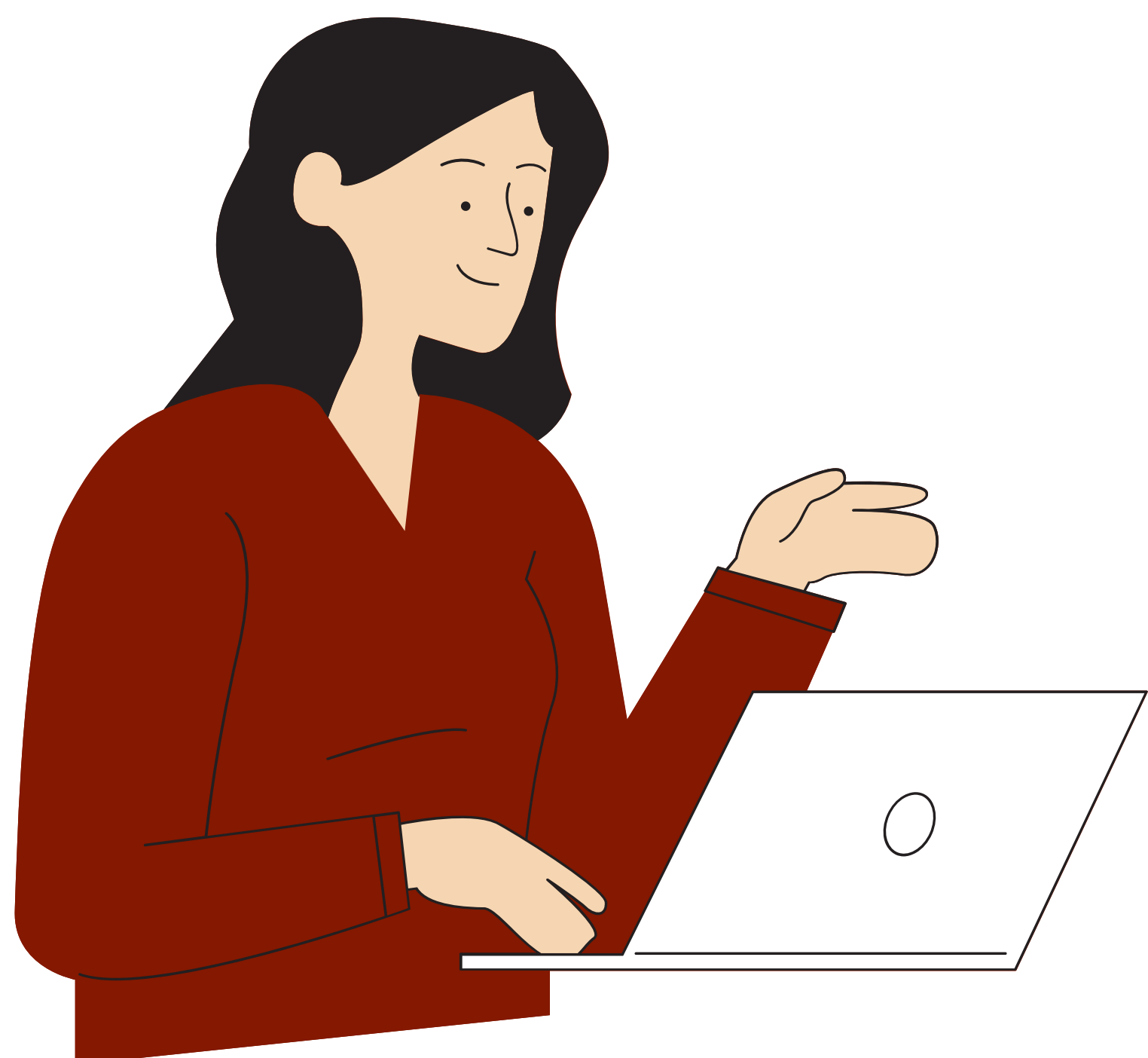
WEB DEVELOPMENT

Introduction to PHP

- What is PHP?
- Setting up a local development environment.
- Writing and running your first PHP script.

DAY 3-5

PHP Variables, Data Types, and Operators

- Variables and data types.
- Variable scope (local, global).
- Constants, arithmetic operators, and more.

Control Structures and Functions

- Conditional statements (if, else, switch).
- Loops (for, while, foreach).
- Defining functions and function parameters.

DAY9-10

Arrays, Strings, and Form Handling

- Working with arrays and strings.
- Handling user input via forms.
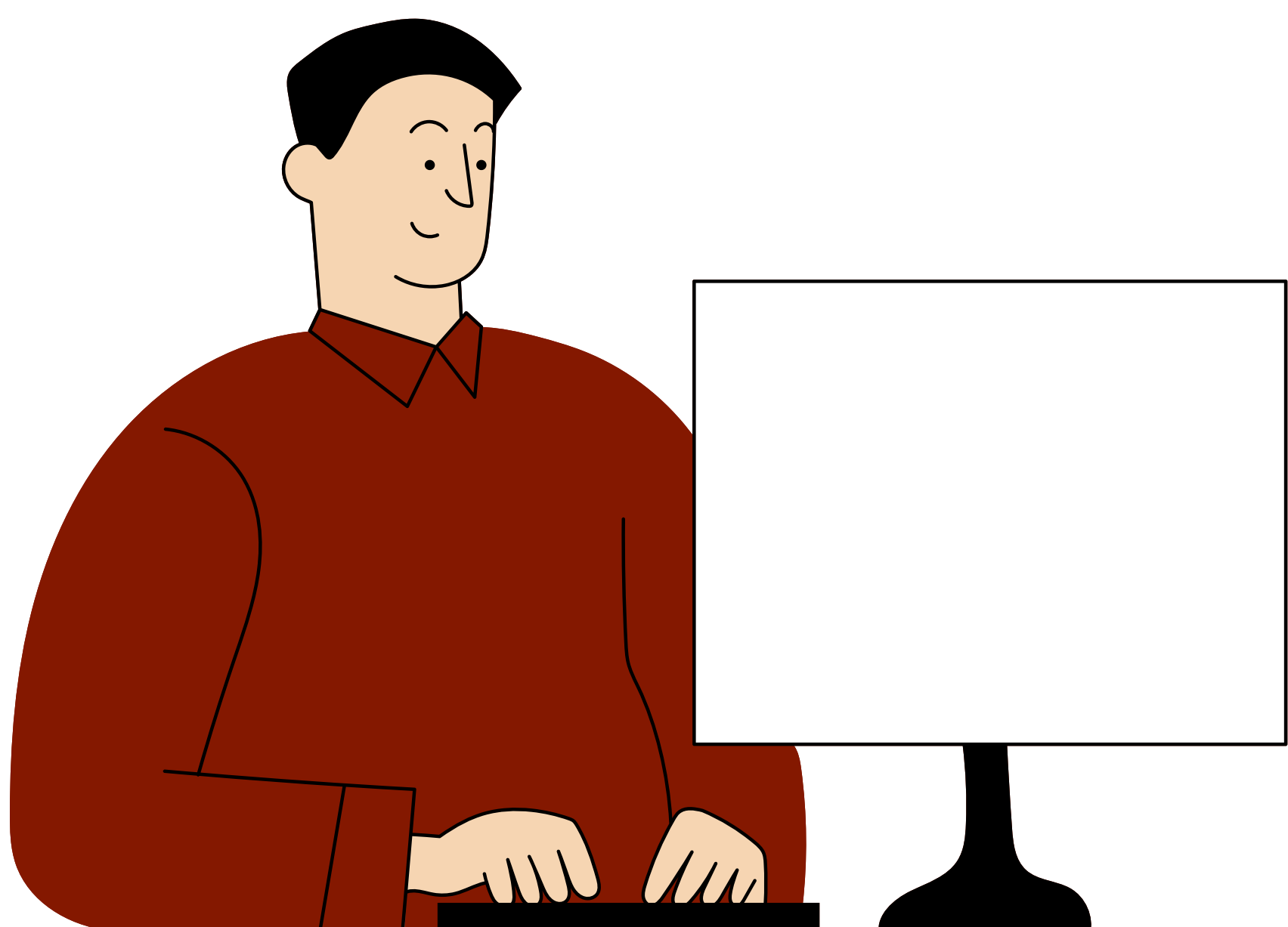- Basic form validation.

Working with Files and Directories

- Reading and writing to files.
- Managing directories.
- File uploads.

DAY 13-15

Object-Oriented Programming in PHP

- Introduction to OOP in PHP.
- Classes, objects, and methods.
- Inheritance, encapsulation, and polymorphism.

For more info contact:
+91 770 7000 651
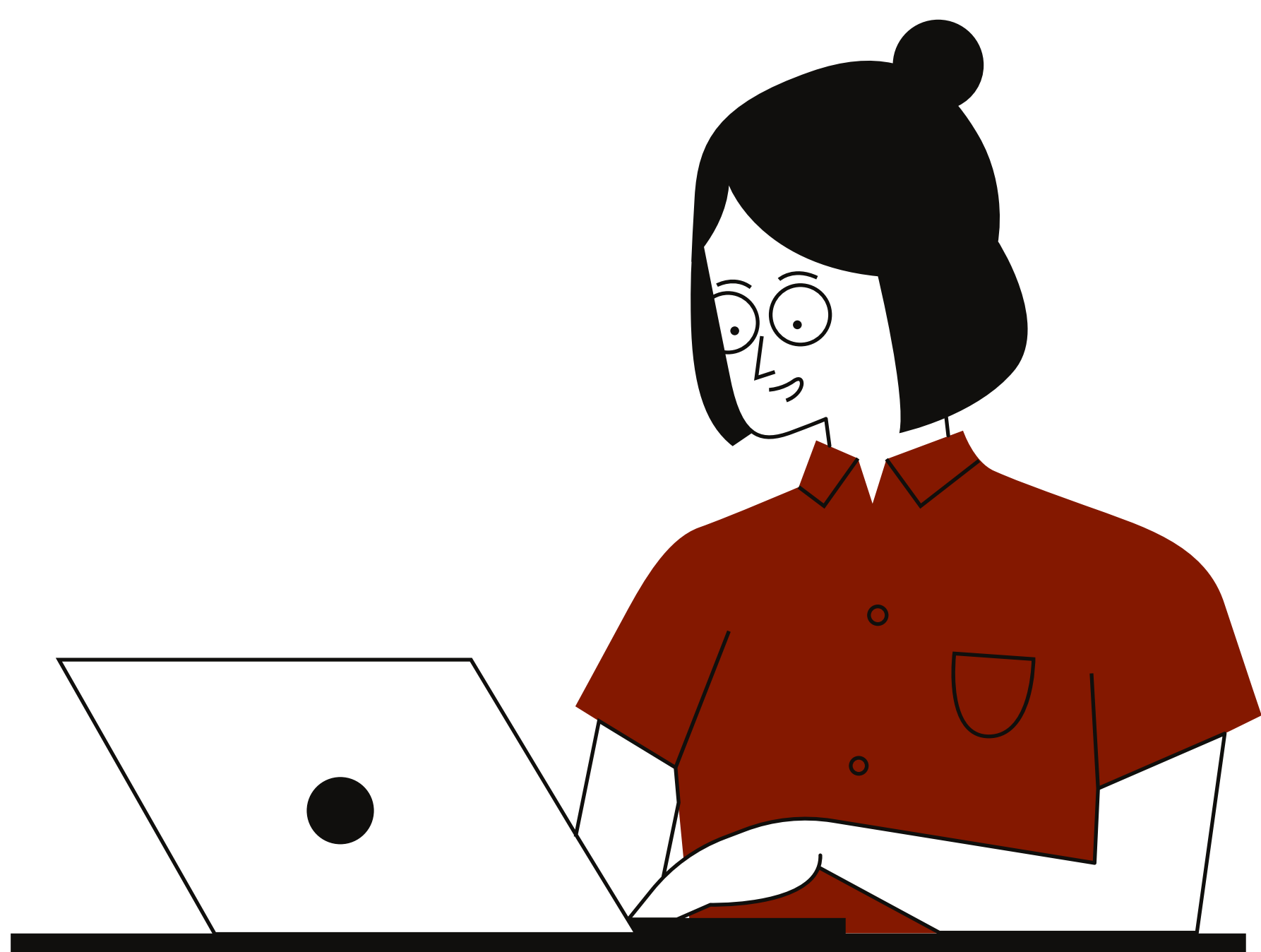
www.specbitsskills.com

Error Handling, Sessions, and Cookies

- Handling errors and exceptions.
- Working with user sessions.
- Managing cookies and user state.

DAY19-20

Working with Databases and MySQL

- Introduction to OOP in PHP.
- Classes, objects, and methods.
- Inheritance, encapsulation, and polymorphism.

For more info contact:
+91 770 7000 651

www.specbitsskills.com

Introduction to Laravel

- What is Laravel?
- Installing Laravel.
- Creating and running your first Laravel project.

DAY 23-25

Controllers, Views, and Routing

- Understanding controllers and their role.
- Creating views and templates.
- Routing and URL management.

Laravel

DAY26-28

Models and Databases in Laravel

- Working with models in Laravel.
- Database configuration and migrations.
- Creating, reading, updating, and deleting records.

DAY29-30

Form Handling and Validation

- Handling form submissions.
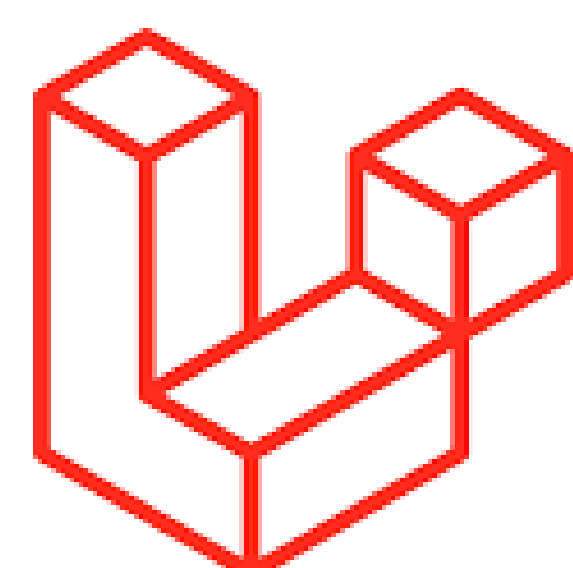- Form validation using Laravel.
- Form helper functions.

Laravel

Authentication and Security

- User registration and login in Laravel.
- Password hashing and security.
- User roles and permissions.

DAY 34-36

Building Real-World Projects with Laravel

- Creating a blog application.
- Implementing user authentication.
- Managing posts and comments.

Laravel

For more info contact:
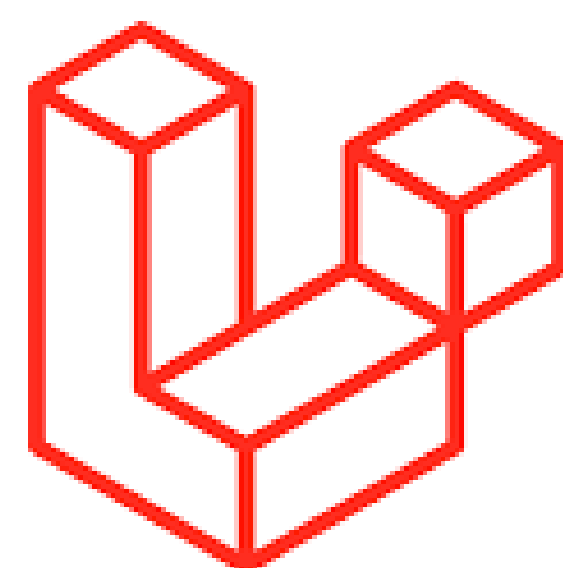+91 770 7000 651

www.specbitsskills.com

Advanced Laravel Topics

- Custom routes and URL patterns.
- Handling different HTTP request methods.
- Adding libraries and extensions to Laravel.

DAY39-40

API Development with Laravel

- Creating RESTful APIs in Laravel.
- Handling API requests and responses.
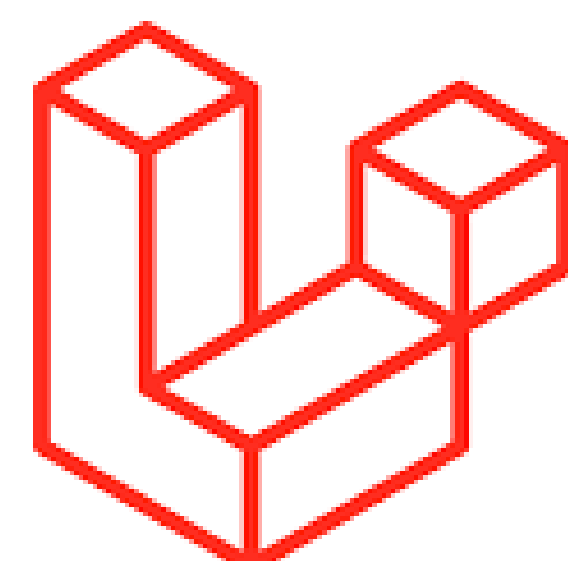- API authentication and security.

Laravel

Testing, Deployment, and Hosting

- Writing unit tests in Laravel.
- Preparing a Laravel application for deployment.
- Deploying to hosting services.
- Domain management and SSL.

DAY44-46

Performance Optimization

- Caching in Laravel.
- Database query optimization.
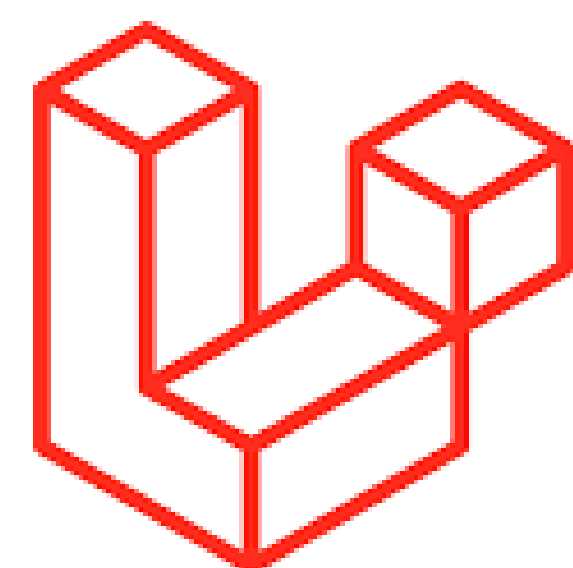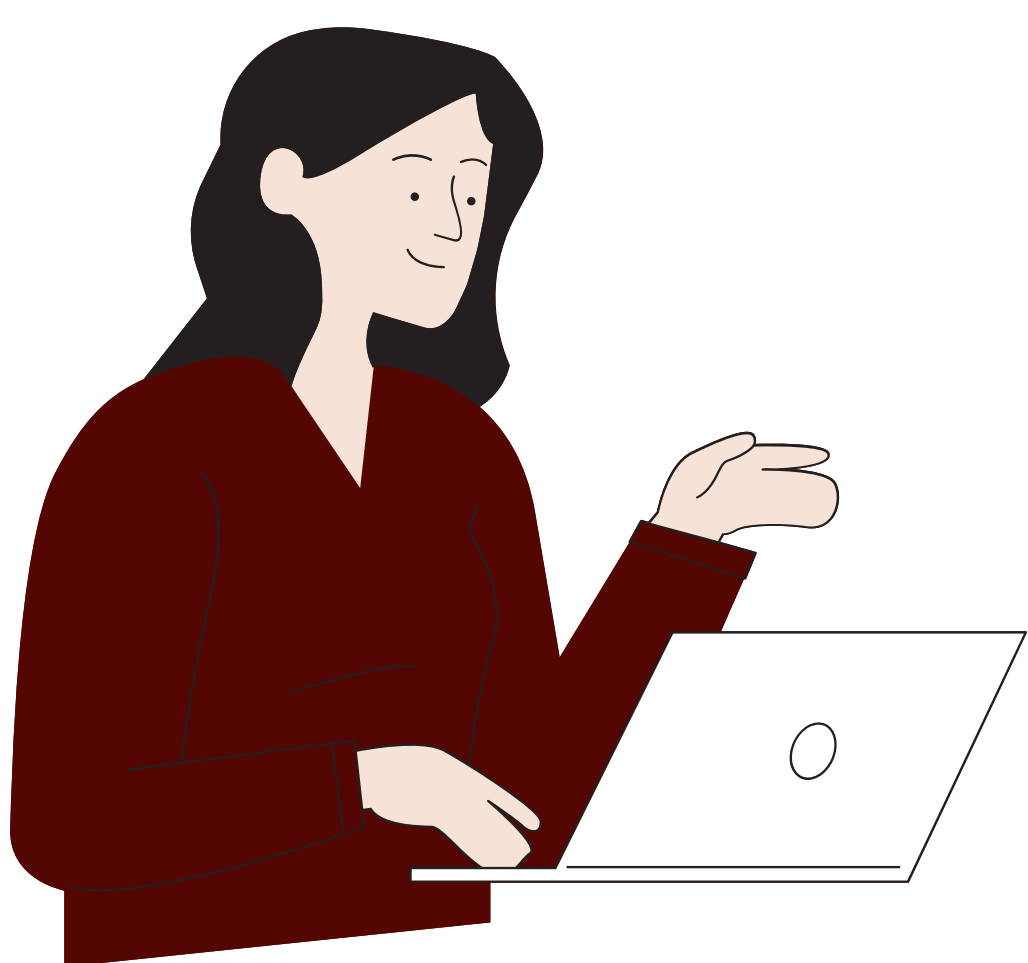- Image and asset optimization

Laravel

DAY 47-49

Advanced PHP and MySQL Topics

- Advanced PHP concepts (e.g., closures, namespaces).
- Advanced MySQL queries and indexing.
- Database normalization and design.

DAY 50-52

Advanced Laravel Topics and Final Projects

- Exploring advanced Laravel topics (e.g., queues, events).
- Building final projects using PHP, MySQL, and Laravel.
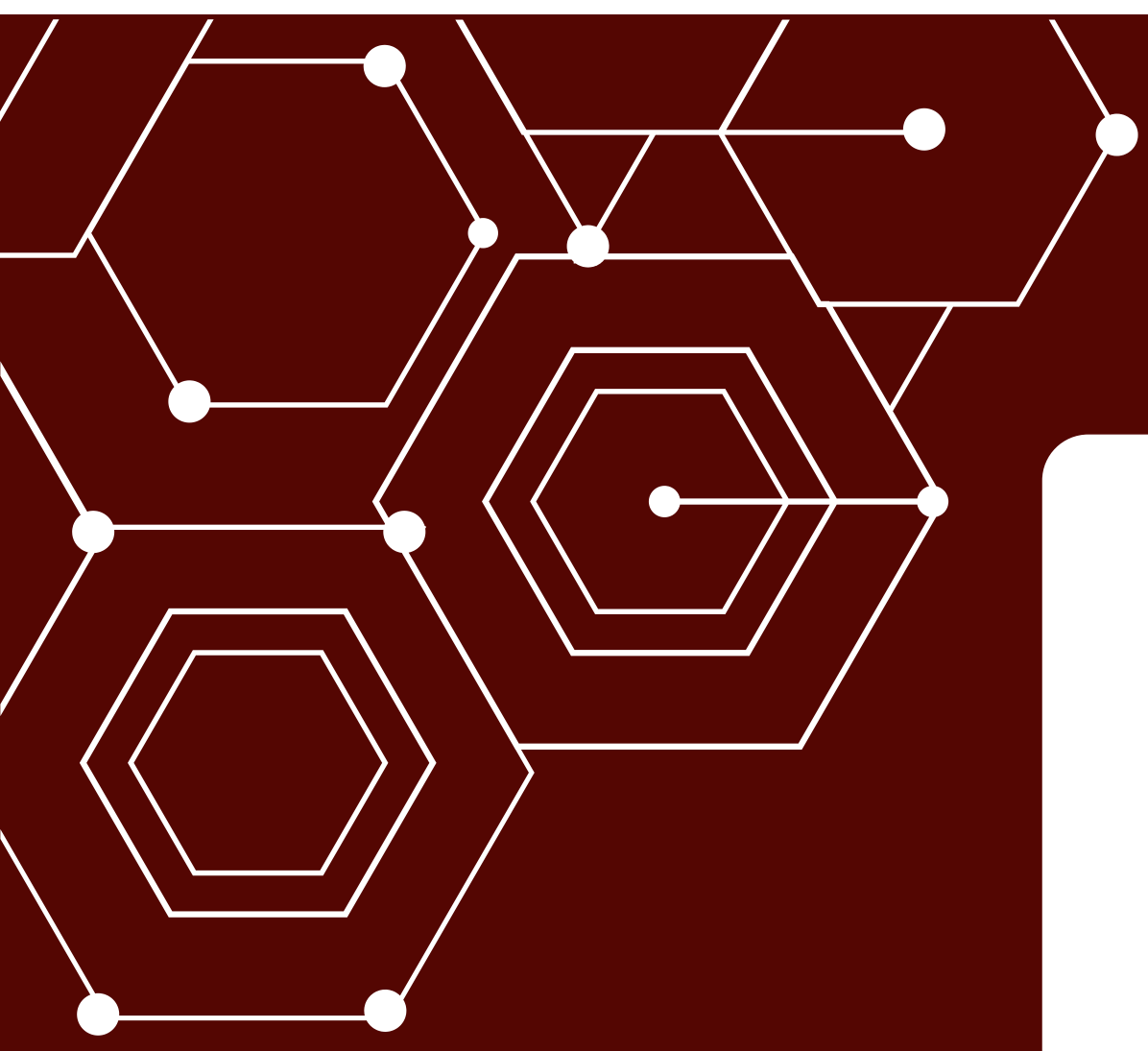- Project presentation and review.

Laravel

For more info contact:
+91 770 7000 651

www.specbitsskills.com

SPECBITS
Training | Improvement | Evaluation

For more info contact:
+91 770 7000 651

www.specbitsskills.com