**🧭 Laravel Learning Roadmap for Beginners**

This step-by-step guide is ideal for teaching a beginner who wants to learn Laravel from scratch.

**🔰 1. Introduction & Setup**

* What is Laravel? (MVC framework, features & advantages)
* Where is Laravel used?
* Requirements (PHP, Composer, MySQL, VS Code, etc.)
* Installing Laravel (via Composer or Laravel Installer)
* Understanding Laravel folder structure

**📁 2. Routing & Controllers**

* Defining routes in web.php
* Route with parameters
* Named routes
* Creating controllers using Artisan
* Connecting routes to controller methods

**🧠 3. Blade Templating Engine**

* Introduction to Blade syntax (@if, @foreach, @yield, @extends, etc.)
* Creating layout and master templates
* Passing data to views from controllers

**📦 4. Handling Requests & Responses**

* Getting form data using the Request object
* Basic form validation
* Returning responses
* Redirecting with flash messages

**🗃️ 5. Database & Migrations**

* Connecting to the database via .env
* Creating and running migrations
* Defining table schema using migration files
* Database seeding
* Using factories for dummy data

**📄 6. Eloquent ORM (Database Model)**

* Creating Models with Artisan
* Performing CRUD operations using Eloquent
* Mass assignment & fillable fields
* Query Builder vs Eloquent ORM

**🔗 7. Eloquent Relationships**

* One-to-One
* One-to-Many
* Many-to-Many
* (Optional: HasManyThrough or Polymorphic)

**🧾 8. Forms & Validation**

* Creating forms (Laravel Collective or HTML)
* CSRF protection
* Form validation
* Displaying validation errors with custom messages

**🔐 9. Authentication & Middleware**

* Installing Laravel Breeze or Jetstream (Breeze is simpler)
* User registration & login
* Built-in auth and guest middleware
* Route protection for logged-in users

**🛠️ 10. Role-Based Access (RBAC)**

* Custom middleware for admin/user roles
* Redirecting users based on roles
* Introduction to Gates & Policies (basic level)

**📤 11. File Uploading**

* Creating file/image upload form
* Handling uploads in controller
* Saving and displaying uploaded files
* Laravel storage folder and file access

**🔔 12. Email & Notifications (Basics)**

* Sending basic emails using Mail::to()
* Creating Mailable classes
* Setting up mail credentials in .env

**🌐 13. APIs (Optional for Beginners)**

* Creating API routes
* Returning JSON responses
* Testing APIs using Postman

**🎓 14. Practice Projects**

Encourage students to build small projects for practice:

* TODO List App
* Student Management System
* Simple Blog with Admin Panel
* CRUD with Image Upload

**🚀 15. Deployment (Optional Bonus)**

* How to deploy Laravel project on free hosting (like 000webhost or InfinityFree)
* Setting up .env for live server