शासकीय कंप्यूटर प्रशिक्षण बोर्ड

Shaskiya Computer Training Board

(Run By GSIDC Nagpur)



CERTIFICATE COURSE | IT & TECHNOLOGY SECTOR

Node.js Backend Development

Learn to build server-side applications and APIs with Node.js.

DURATION	ELIGIBILITY	SUBJECTS	CERTIFICATE
4 Months	12th Pass	6	SCT Board

sctboard.in

About the Program

The Node.js Backend Development course introduces students to the tools and concepts used to build the server side of web applications. Students study JavaScript fundamentals, Node.js, the Express framework, REST API development and database integration through a structured four-month programme.

The course includes a backend project to help students practise connecting different parts of an application. It is intended for learners who want to understand backend development step by step. Topics and practical activities are covered through the study mode and arrangements offered by the authorised study centre.

01

6 Subjects
All important topics of the course together

4 Months Total
Practical lab training along with theory

02

03

12th Pass
Minimum eligibility

Online Exam
Online exam and result at the end of the course

04

05

Board Certificate
Marksheet and certificate, online verification

Who is this course for?

- 10th pass students
- 12th pass students
- Aspiring web developers
- Learners with basic computer skills

Program Highlights

01
JavaScript Foundations
Build an understanding of core JavaScript concepts used in backend development.

02
Node.js Basics
Explore how Node.js runs JavaScript for server-side applications.

03
Express Framework
Learn how Express helps organise routes and handle web requests.

04
REST API Practice
Study API routes and common request and response patterns.

05
Database Integration
Understand how backend applications connect with and use databases.

06
Backend Project
Apply course concepts in a structured backend development project.

Program Curriculum

Node.js Backend Development · 4 Months · 6 Subjects

MODULE 01

Module 1: JavaScript Fundamentals
Subject Code: NODE101 | Theory | Marks (Pass/Max): Theory 35/100
- » Variables and data types
- » Functions
- » Arrays and objects
- » Asynchronous JavaScript

MODULE 02

Module 2: Node.js Basics
Subject Code: NODE102 | Theory | Marks (Pass/Max): Theory 35/100
- » Node.js runtime
- » Modules
- » npm basics
- » File system basics

MODULE 03

Module 3: Express Framework
Subject Code: NODE103 | Theory | Marks (Pass/Max): Theory 35/100
- » Express setup
- » Routing
- » Middleware
- » Request handling

MODULE 04

Module 4: REST API Development
Subject Code: NODE104 | Theory | Marks (Pass/Max): Theory 35/100
- » HTTP methods
- » API routes
- » JSON responses
- » Input validation basics

MODULE 05

Module 5: Database Integration

Subject Code: NODE105 | Theory | Marks (Pass/Max): Theory 35/100

- » Database concepts
- » Connecting to a database
- » CRUD operations
- » Data handling

MODULE 06

Module 6: Backend Project

Subject Code: NODE106 | Theory | Marks (Pass/Max): Theory 35/100

- » Project planning
- » Building backend routes
- » Database connection
- » Testing and review

Skills & Tools

You will work hands-on with these during the course.

JavaScript	**Node.js**	**Express.js**	**REST APIs**
Database Basics	**npm**	**JSON**	**API Testing**

Career Opportunities

After the course you can work in these fields.

Junior Backend Developer
Works on server-side features for web applications.

Node.js Developer Trainee
Supports Node.js development tasks under team guidance.

API Developer Assistant
Helps develop and maintain APIs for software products.

Web Development Assistant
Supports website teams with backend tasks and application updates.

Backend Support Associate
Assists with backend application checks and basic issue tracking.

Software Development Intern
Works with software teams on supervised development assignments.

Get Certified

After completing the course and passing the online exam, the Shaskiya Computer Training Board marksheet and certificate are given, which are verified on the website with a QR code.



FAQs

What is the minimum eligibility for this course?
The suggested minimum qualification is 10th pass. Contact an SCT Board authorised study centre to confirm current admission requirements.

How long is the course?
The course duration is four months. Class schedules and the pace of study may depend on the arrangements at the authorised study centre.

What is the mode of study?
Study mode and class arrangements can vary by authorised study centre. Contact your preferred centre for details before applying.

How is the course exam conducted?
Exam format, schedule and assessment requirements are shared through the board or authorised study centre. Ask your centre for the current details.

शासकीय कंप्यूटर प्रशिक्षण बोर्ड

Shaskiya Computer Training Board

(Run By GSIDC Nagpur)

LET'S TALK

Write to us	support@sctboard.in
Visit us at	sctboard.in
Call	+919359335979
Address	G001 Shideshwar Nagar, Dighori, Nagpur, Maharashtra - 440024

For admission: sctboard.in/addmission-form