



# SNS COLLEGE OF ENGINEERING

Kurumbapalayam(Po), Coimbatore – 641 107

**An Autonomous Institution**

Accredited by NAAC-UGC with 'A' Grade

Approved by AICTE, Recognized by UGC & Affiliated to Anna  
University, Chennai

## DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

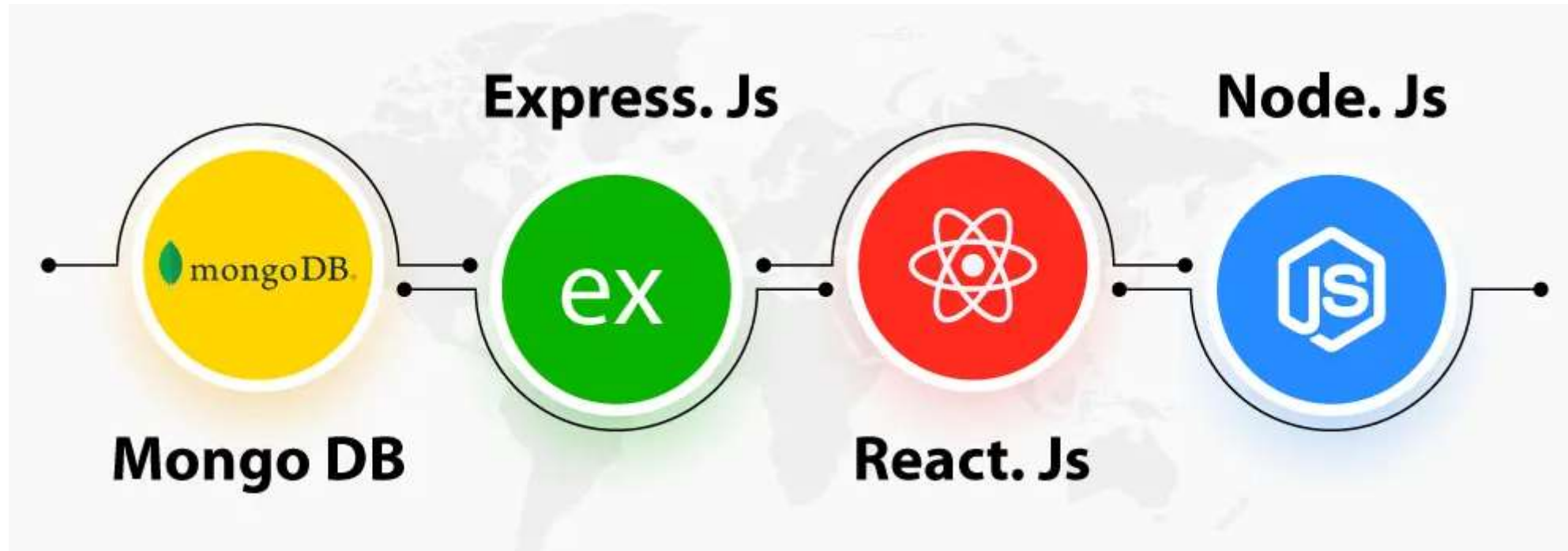
**Course Code and Name : 19TS601 FULL STACK DEVELOPMENT**

**Unit 1 : JAVASCRIPT AND BASICS OF MERN STACK**

**Topic : Need for MERN**



# Need for MERN





- **JavaScript Everywhere:**
- MERN utilizes JavaScript for both front-end (React) and back-end (Node.js) development, simplifying the learning curve and allowing developers to work with a single language throughout the project.
- **Scalability:**
- The combination of MongoDB (NoSQL database) and Node.js allows for handling large amounts of data and high traffic efficiently, making it suitable for large-scale applications.



# document.write() Method

- **Rapid Development:**
- React's component-based architecture enables quick development allowing developers to reuse UI components, leading to faster development cycles.
- **Flexibility:**
- MongoDB's document-oriented structure provides flexibility in data modeling, making it adaptable to changing requirements.



## •Large Community Support:

- Both React and Node.js have large and active communities, providing ample documentation, libraries, and support for developers.
- What does MERN stand for?
- M** - MongoDB (NoSQL database)
- E** - Express.js (Node.js web framework)
- R** - React (JavaScript library for front-end development)
- N** - Node.js (JavaScript runtime environment)



# ASSESSMENT

1. What is MERN?
2. What is Node.js?



## **Text Book:**

1. Pro MERN Stack, Full Stack Web App Development with Mongo, Express, React, and Node, Vasan Subramanian, A Press Publisher, 2019.

## **Reference:**

David Flanagan, “Java Script: The Definitive Guide”, O’Reilly Media, Inc, 7 th Edition, 2020

2. Matt Frisbie, “Professional JavaScript for Web Developers” Wiley Publishing, Inc, 4<sup>th</sup> Edition, ISBN: 978-1-119-36656-0, 2019



Thank  
You!

