



रा.इ.सू.प्रौ.सं
NIELIT

National Institute of Electronics
and Information Technology

(An ISO 9001:2015 certified Organization)

Ministry of Electronics and Information Technology
Government of India

Online Course Prospectus

Full Stack Development using MERN

Course Description

Welcome to the Full Stack Development using MERN course, a comprehensive program designed to equip you with the skills and knowledge necessary to become a proficient full-stack developer. In this course, you will delve deep into the world of web development, focusing on the MERN stack, which comprises MongoDB, Express.js, React, and Node.js – a versatile and powerful set of technologies widely used in modern web applications. By the end of this Full Stack Development using MERN course, you will be well-prepared to embark on a successful career in web development, whether you're interested in building your own projects, working for a tech company, or pursuing freelance opportunities.

[Click
Here to
Register](#)

OR

Scan QR Code



Who can attend?

Anyone who is interested to build their career in Full Stack Web Development, including:

- ❖ Complete Beginners
- ❖ Professionals looking to bridge gaps in their knowledge.

Course Content

- ❖ Introduction to Full Stack Development
- ❖ Front-End Development with React
- ❖ Back-End Development with Node.js and Express
- ❖ Database Management with MongoDB
- ❖ MERN Stack Integration
- ❖ State Management and User Authentication
- ❖ Deployment and DevOps
- ❖ Building Real-World Projects
- ❖ Testing and Debugging
- ❖ Optimizing for Performance and Scalability
- ❖ Version control using git
- ❖ Introduction to testing frameworks using Jest and Cypress

Prerequisite

- ❖ Candidate must have computer / laptop.
- ❖ Software: Windows OS (7 or above), Google Chrome (can be downloaded from respective websites)
- ❖ Internet connection with good speed.

Duration

- ❖ 8 Weeks (without project) / 10 Weeks (with project)

The internship/industrial training programme includes about 80 Hrs of intensive interactive instructor-led online sessions and about 100 Hrs of practical assignments that student can perform at their end. In some training programmes, the facility of virtual lab can also be extended subject to availability. The Ten weeks programme includes two weeks (20 Hrs.) of project that student is required to develop and a presentation is to be made by student (in Online mode) to the faculty.

Certificate

Digitally signed *e-Certificate* will be issued to each participant after completion of the training. Participant needs to maintain minimum 75% attendance during the online classes and is required to score minimum 50% marks in the online test/quiz in order to successfully complete the course.

How to Apply

Interested candidates may apply online on the link <https://nielit.gov.in/haridwar/content/online-courses> after submitting the Course Fee in following account:

Name : NIELIT Haridwar

Account Number : 44306909591

IFSC Code : SBIN0012852

Bank Name : State Bank of India

Branch : Shivalik Nagar, Haridwar

You may also use our Virtual Payment Address (VPA) **nielitharidwar@sbi** for UPI Transfer.

NOTE: Copy of transaction slip is required to be uploaded at the time of filling online form. Candidate may keep a copy of the same for future reference.

Terms and Conditions

1. In case, any registered candidate could not attend the online session due to technical issue at their side there will not be any refund of the course fee and the sessions will not be repeated.
2. In case, the online course is cancelled/postponed due to some technical issue at NIELIT side and new date is not convenient to the candidate, our liability is limited to the refund of the course fee and NIELIT shall not be responsible for any consequential damages.

Course Coordinator

Mr. Kailash Chandra Joshi

Ph: 8171627088

[Email : haridwar@nielit.gov.in](mailto:haridwar@nielit.gov.in)

Faculty Profile

Mr. Kailash Chandra Joshi, currently working as **Senior Faculty** at the National Institute of Electronics and Information Technology (NIELIT) Haridwar. He is very active in various academic activities. He has about 10+ years of experience in the field of the Education Sector and Industry.



NIELIT Haridwar is the Regional Centre of NIELIT in the state of Uttarakhand and is situated in SIDCUL Haridwar. It is well known for the advanced training programmes in the areas of Future Skills such as **Cloud Computing, Machine Learning, Artificial Intelligence, Internet of Things, MATLAB, Big Data, Embedded Systems etc** in addition to the various **National Skill Qualification Framework (NSQF)** aligned long-term and short-term courses in Electronics & Information Technology. The Centre has **MOUs** with various prestigious institutions and Universities of Uttarakhand for academic collaboration, technical support, summer/industrial training and internships of the students. The Centre provides a conducive learning environment with the state-of-the-art infrastructure and expert faculties.

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Mobile: +91-7302602223 (Call & Whatsapp)

Haidwar Campus

2nd Floor, Government Polytechnic Building,
SIDCUL, Haridwar, Uttarakhand- 249403
Office Nos: 01334-235617, 235054
Mobile: +91-9368349990 (Call & Whatsapp)

Email: haridwar@nielit.gov.in Website: <https://www.nielit.gov.in/haridwar/index.php>

