# MATLAB Installation Guide

- *MATLAB Portal Access*
- *System Requirements*
- *Online Training Courses*
- *MATLAB Online*
- *Product List R2022a*

**NITTE** EDUCATION TRUST | **NITTE MEENAKSHI INSTITUTE OF TECHNOLOGY**
An Autonomous Institution Affiliated to VTU

**MathWorks®**

**Nitte Meenakshi Institute of Technology** now offers a **Campus-Wide License to** *MATLAB, Simulink, and companion products*. All faculty, researchers, and students are eligible to download and install these products on their college computers as well as their personally-owned computers. Use the latest versions of MATLAB and Simulink and other MathWorks products to support your course work and research.

The next two sections outline instructions on obtaining access to MATLAB. You will first need to associate to the **Nitte Meenakshi Institute of Technology** MATLAB Campus- Wide License and then install MATLAB.

**QR CODE:**



*http://tiny.cc/MATLABNMIT*

**To associate to the Campus-Wide License, Open the Nitte Meenakshi Institute of Technology MATLAB Portal or simply scan the QR Code :**

- Click on Sign-In to get started

- Sign in using your MathWorks Account with your **Nitte Meenakshi Institute of Technology** email address.

- If you do not have a MathWorks Account with your **Nitte Meenakshi Institute of Technology** email address, click on Create Account

- Complete the steps to create your MathWorks Account (If you have any trouble creating an account, contact MathWorks Customer Service via **info@mathworks.in** or + 91-80-6632-6000)

- Once logged in on the **Portal**, you would automatically be associated to the **Nitte Meenakshi Institute of Technology** MATLAB Campus-Wide License.

Anytime, Anywhere Access for Faculty, Staff & Students

MATLAB for Desktops
Access MATLAB on personal and university-owned machines
http://tiny.cc/MATLABDRNGP

MATLAB Online
Access MATLAB with a web browser
Visit matlab.mathworks.com

MATLAB Mobile
Access MATLAB on iOS/Android devices
Google Play · App Store
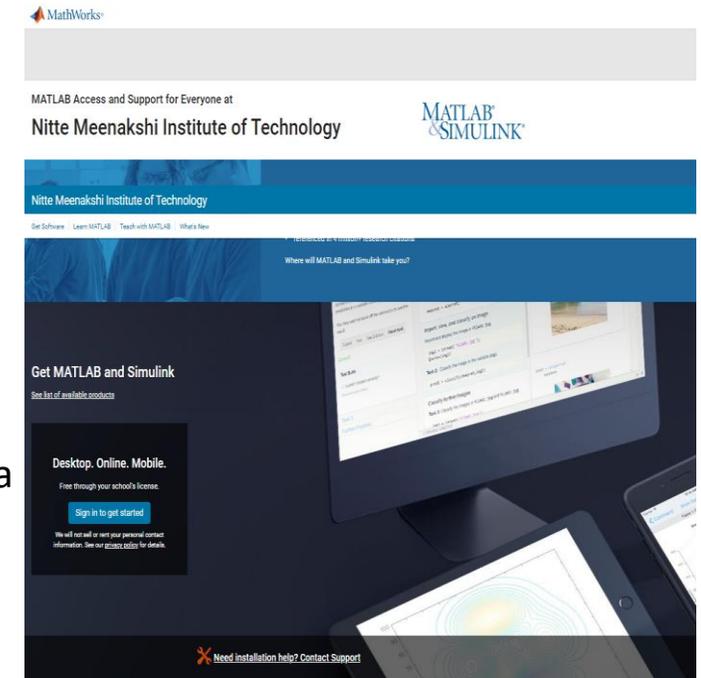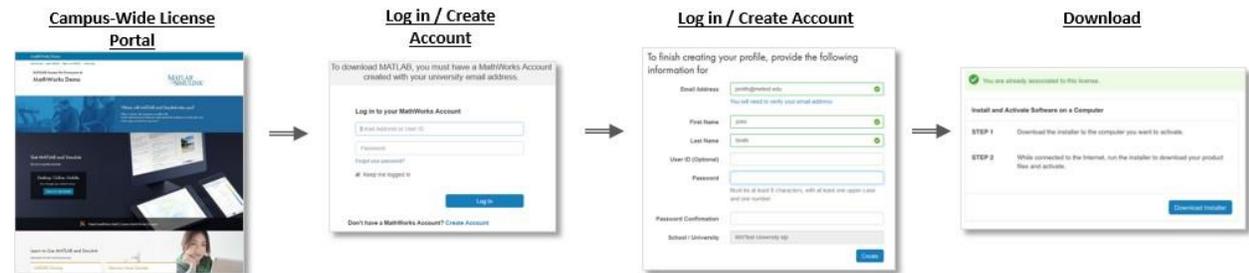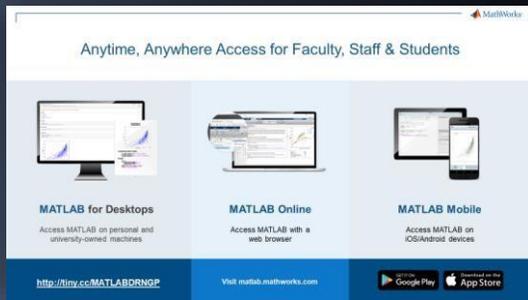
**MATLAB Online**- Use MATLAB in a web browser without installing, configuring, or managing any software.
https://www.mathworks.com/products/matlab-online.html

**MATLAB Mobile**- Evaluate MATLAB commands, create and edit files, visualize data, and view results – all from your iPhone, iPad, or Android device.
https://www.mathworks.com/products/matlab-mobile.html

**MATLAB Drive**- MATLAB Drive provides a common cloud-based storage location for your MATLAB file.
https://in.mathworks.com/products/matlab-drive.html#explore-matlab-drive

**Learn to Use MATLAB and Simulink** - MATLAB Onramp, Simulink Onramp and Deep Learning Onramp (free 2-hour overview of MATLAB) and other course offerings.
https://www.mathworks.com/products/campus-wide-training.html

**MATLAB Help**- Provides link to installation support and documentation.
https://www.mathworks.com/support/contact_us.html?s_tid=tah_po_helpbutton_rvce

*For any installation issues, contact the MathWorks Install Support team at: Info@mathworks.in  or call + 91-80-6632-6000 (Option 3).*

## Steps To Install MATLAB

- Click the download button for the current release. (Users can also download previous releases here).
- Choose a supported platform and download the installer.
- Run the installer.
- In the installer, select Log in with a MathWorks Account and follow the online instructions.
- When prompted to do so, select the Academic – Total Headcount license labeled Individual.
- Select the products you want to download and install.
- After downloading and installing your products, keep the Activate MATLAB checkbox selected and click Next.
- Select "Activate automatically using the internet."
- Log into your MathWorks account
- Select the Academic – Total Headcount license labeled Individual.
- Click "finish" to complete the activation process.

**System Requirements**:
*https://in.mathworks.com/support/requirements/matlab-system-requirements.html*

Online Training for MATLAB and Simulink
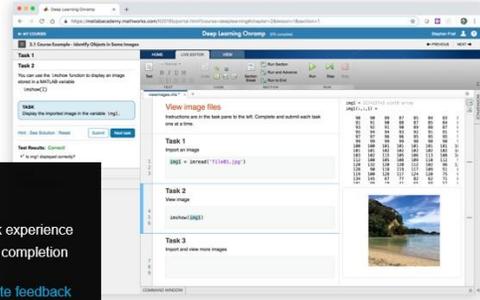
**Online Training Suite**
Hands-on MATLAB and Simulink experience
Measurable progress report and completion certificate
Interactive lessons with immediate feedback
24/7 availability

To learn more, visit mathworks.com/AcademicTraining

*https://matlabacademy.mathworks.com*

MATLAB Onramp — FREE

Simulink Onramp — FREE

Reinforcement Learning Onramp — FREE

Control Design Onramp with Simulink — FREE

Signal Processing Onramp — FREE

Stateflow Onramp — FREE

Deep Learning Onramp — FREE

Image Processing Onramp — FREE

Machine Learning Onramp — FREE

Simscape Onramp — FREE

## Data Science

Deep Learning with MATLAB

Machine Learning with MATLAB

## Core MATLAB

MATLAB Fundamentals

MATLAB for Data Processing and Visualization

MATLAB Programming Techniques

Image Processing with MATLAB — NEW

## Computational Mathematics

* Available exclusively for users at Enterprise and Campus-Wide Accounts

Solving Nonlinear Equations with MATLAB

Solving Ordinary Differential Equations with MATLAB

Introduction to Linear Algebra with MATLAB

Introduction to Statistical Methods with MATLAB

Introduction to Symbolic Math with MATLAB

# Products on Campus-Wide Licenses sold after R2022a

**Organized Alphabetically**

## MATLAB Product Family
MATLAB

### Application Deployment
MATLAB Compiler
MATLAB Compiler SDK
MATLAB Production Server
MATLAB Web App Server

### Code Generation
Embedded Coder
Filter Design HDL Coder
Fixed-Point Designer
GPU Coder
HDL Coder
HDL Verifier
MATLAB Coder

### Parallel Computing
MATLAB Parallel Server
Parallel Computing Toolbox

### Reporting and Database Access
Database Toolbox
MATLAB Report Generator

## Simulink Product Family
Simulink

### Application Deployment
Simulink Compiler

### Code Generation
AUTOSAR Blockset
DDS Blockset
Embedded Coder
Fixed-Point Designer
HDL Coder
HDL Verifier
Simulink Code Inspector
Simulink Coder
Simulink PLC Coder

### Physical and Event-Based Modeling
SimEvents
Simscape
Simscape Driveline
Simscape Electrical
Simscape Fluids
Simscape Multibody
Simulink 3D Animation
Stateflow

### Real-Time Simulation and Testing
Simulink Desktop Real-Time
Simulink Real-Time

### Reporting
Simulink Report Generator

### Systems Engineering
System Composer

### Verification, Validation, and Test
Polyspace Bug Finder
Polyspace Code Prover
Simulink Check

### Verification, Validation, and Test (cont.)
Simulink Coverage
Simulink Design Verifier
Requirements Toolbox
Simulink Test

## Application Products

### Aerospace
Aerospace Blockset
Aerospace Toolbox
UAV Toolbox

### AI, Data Science, and Statistics
Deep Learning Toolbox
Deep Learning HDL Toolbox
Predictive Maintenance Toolbox
Reinforcement Learning Toolbox
Statistics and Machine Learning Toolbox
Text Analytics Toolbox

### Automotive
Automated Driving Toolbox
AUTOSAR Blockset
Model-Based Calibration Toolbox
Powertrain Blockset
RoadRunner
RoadRunner Asset Library
Vehicle Dynamics Blockset
Vehicle Network Toolbox

### Autonomous Systems
Automated Driving Toolbox
Navigation Toolbox
RoadRunner
RoadRunner Asset Library
Roadrunner Scenario
Robotics System Toolbox
ROS Toolbox
Sensor Fusion and Tracking Toolbox
UAV Toolbox

### Code Verification
Polyspace Bug Finder
Polyspace Code Prover

### Computational Biology
Bioinformatics Toolbox
SimBiology

### Computational Finance
Database Toolbox
Datafeed Toolbox
Econometrics Toolbox
Financial Instruments Toolbox
Financial Toolbox
Risk Management Toolbox
Spreadsheet Link

### Control Systems
Control System Toolbox
Fuzzy Logic Toolbox
Model Predictive Control Toolbox
Motor Control Blockset
Predictive Maintenance Toolbox
Reinforcement Learning Toolbox
Robust Control Toolbox

### Control Systems (cont.)
Simulink Control Design
Simulink Design Optimization
System Identification Toolbox

### FPGA, ASIC, and SoC Development
Deep Learning HDL Toolbox
Filter Design HDL Coder
Fixed-Point Designer
HDL Coder
HDL Verifier
SoC Blockset
Vision HDL Toolbox
Wireless HDL Toolbox
DSP HDL Toolbox

### Image Processing and Computer Vision
Computer Vision Toolbox
Image Processing Toolbox
Lidar Toolbox

### Math and Optimization
Curve Fitting Toolbox
Global Optimization Toolbox
Mapping Toolbox
Optimization Toolbox
Partial Differential Equation Toolbox
Symbolic Math Toolbox

### RF and Mixed Signal
Antenna Toolbox
Mixed-Signal Blockset
RF Blockset
RF Toolbox
RF PCB Toolbox
SerDes Toolbox
Signal Integrity Toolbox

### Signal Processing
Audio Toolbox
DSP System Toolbox
Phased Array System Toolbox
Radar Toolbox
Signal Processing Toolbox
Wavelet Toolbox

### Test and Measurement
Data Acquisition Toolbox
Image Acquisition Toolbox
Instrument Control Toolbox
Industrial Communication Toolbox
Vehicle Network Toolbox

### Wireless Communications
5G Toolbox
Communications Toolbox
LTE Toolbox
Satellite Communications Toolbox
WLAN Toolbox
Bluetooth Toolbox
Wireless Testbench

### Academic Resources
MATLAB Grader
Online Training Suite

---