

MATLAB For Students National Institute of Technology Karnataka Surathkal

MATLAB is a software package for high performance numerical computation and visualization.

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

To associate to the Campus-Wide License, Open the National Institute of Technology Karnataka Surathkal MATLAB Portal or simply scan the QR Code :

1. Click on Sign-In to get started
2. Sign in using your MathWorks Account with your **NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA SURATHKAL** email address.
3. If you do not have a MathWorks Account with your **NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA SURATHKAL** email address, click on Create Account
4. 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)
5. Once logged in on the **Portal**, you would automatically be associated to the **NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA SURATHKAL** MATLAB Campus-Wide License.

Link and QR Code to access the NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA SURATHKAL MATLAB Portal

Link: <https://in.mathworks.com/academia/tah-portal/national-institute-of-technology-karnataka-surathkal-40784248.html>

QR CODE:



To Download the Software:

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

****Note- Detailed installation instructions can be also found in the link below:***

How do I install MATLAB: <https://www.mathworks.com/matlabcentral/answers/98886>

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

Bookmark the MATLAB Portal as an ongoing resource:

Learn to Use MATLAB and Simulink - MATLAB Onramp, Simulink Onramp and Deep Learning Onramp (free 2-hour overview of MATLAB) and other course offerings.

MATLAB Help- Provides link to installation support and documentation.



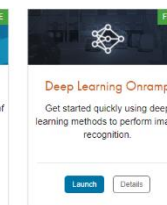


MATLAB Online- use MATLAB in a web browser without installing, configuring, or managing any software.

MATLAB Mobile- evaluate MATLAB commands, create and edit files, visualize data, and view results – all from your iPhone, iPad, or Android device.

MATLAB Drive- MATLAB Drive provides a common cloud-based storage location for your MATLAB file

MATLAB Online Training Suite- Access Premium Training Courses for widely applicable areas in Industry. This includes five Computational Mathematics Courses. You can access these courses [here](#).

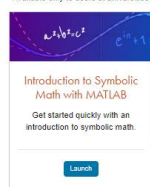
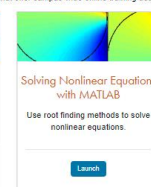
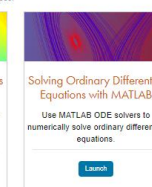

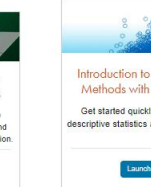
Getting Started

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|  <p>MATLAB Onramp Get started quickly with the basics of MATLAB.</p> <p>Launch Details</p> |  <p>Simulink Onramp Get started quickly with the basics of Simulink.</p> <p>Details</p> |  <p>Deep Learning Onramp Get started quickly using deep learning methods to perform image recognition.</p> <p>Launch Details</p> |  <p>Stateflow Onramp Learn the basics of creating, editing, and simulating state machines in Stateflow.</p> <p>Details</p> |  <p>Machine Learning Onramp Learn the basics of practical machine learning methods for classification problems.</p> <p>Launch Details</p> |
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Introduction – 8 Hours

Computational Mathematics

*Available only to users at universities that offer campus-wide online training access.

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|  <p>Introduction to Symbolic Math with MATLAB Get started quickly with an introduction to symbolic math.</p> <p>Launch</p> |  <p>Solving Nonlinear Equations with MATLAB Use root finding methods to solve nonlinear equations.</p> <p>Launch</p> |  <p>Solving Ordinary Differential Equations with MATLAB Use MATLAB ODE solvers to numerically solve ordinary differential equations.</p> <p>Launch</p> |  <p>Introduction to Linear Algebra with MATLAB Use matrix methods to solve systems of linear equations and perform eigenvalue decomposition.</p> <p>Launch</p> |  <p>Introduction to Statistical Methods with MATLAB Get started quickly with basic descriptive statistics and data fitting.</p> <p>Launch</p> |
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Computational Mathematics with MATLAB– 9 Hours

Core MATLAB

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|  <p>MATLAB Fundamentals Learn core MATLAB functionality for data analysis, modeling, and programming.</p> |  <p>MATLAB for Data Processing and Visualization Create custom visualizations and automate your data analysis tasks.</p> |  <p>MATLAB Programming Techniques Improve the robustness, flexibility, and efficiency of your MATLAB code.</p> |  <p>MATLAB for Financial Applications Learn MATLAB for financial data analysis and modeling.</p> |
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Data Science

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|  <p>Machine Learning with MATLAB Explore data and build predictive models.</p> |  <p>Deep Learning with MATLAB Learn the theory and practice of building deep neural networks with real-life image and sequence data.</p> |
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Core MATLAB Functionality & Data Science – 100 Hours