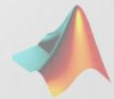


# MATLAB

A LOOK AT THE MATLAB FAMILY

THE  
ELECTRONICS  
CLUB



MATLAB

# MathWorks Products

## 1. MATLAB PRODUCT FAMILY:

- A. MATLAB PLATFORM [ONLINE & OFFLINE]
- B. MATLAB TOOLBOXES
- C. MATLAB DRIVE

## 2. SIMULINK PRODUCT FAMILY:

- A. SIMULINK PLATFORM
- B. SIMULINK MODELS
- C. SIMULINK DRIVE

# MATLAB Versions & Pricing

1. MATLAB FOLLOWS A STANDARD METHOD OF NAMING ITS VERSIONS.
  - A. 2020A - YEAR OF RELEASE: 2020 AND TIME OF RELEASE: FIRST HALF.
2. MATLAB HAS THE FOLLOWING PRICING PLANS:
  - A. INDUSTRY (COMMERCIAL/ACADEMIC USE)
  - B. STUDENT (ACADEMIC USE)
  - C. HOME (PERSONAL USE - STRICTLY NON-COMMERCIAL)

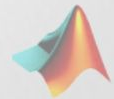
# MathWorks Account & Licenses

1. ACCOUNT CAN BE CREATED BY UTILISING THE GIVEN LINK.
  - A. MATHWORKS ACCOUNT CREATION
2. MOST UNIVERSITIES OFFER ACADEMIC LICENSE TO THEIR STUDENTS.
  - A. MATHWORKS HAS INBUILT SEARCH TOOL TO CHECK ELIGIBILITY FOR STUDENTS AND ACADEMIC USERS.
  - B. MATHWORKS ACADEMIC SUPPORT PROGRAM
3. MATLAB LICENSES MUST BE LINKED TO ACCOUNT AFTER CREATION.

# MATLAB

APPLICATION IN INDUSTRIES.

THE  
ELECTRONICS  
CLUB



MATLAB

# Industrial Applications

1. IMAGE AND SIGNAL PROCESSING
2. COMPUTATIONAL BIOLOGY
3. CRYPTOGRAPHY
4. CONTROL SYSTEM DESIGN
5. THEORETICAL MATHEMATICS
6. COMMUNICATION SYSTEMS

AND THE LIST GOES ON & ON....

# Sample Applications

1. FIRST APPLICATION:  
FUNDAMENTAL DATA ANALYSIS  
DATA ANALYSIS OF PUBLIC HEALTH
2. SECOND APPLICATION:  
SIGNAL PROCESSING IN MEDICAL ENGINEERING  
SIGNAL ANALYSIS OF ECG SIGNAL

# MATLAB Resources

1. MATHWORKS PROVIDES SEVERAL ONLINE RESOURCES TO TRAIN USERS IN THE FUNDAMENTALS AND UTILISATION OF ITS PRODUCTS.
2. THE MOST POPULAR MATLAB TRAINING COURSE THAT CAN BE ACCESSED FOR FREE WITH NOTHING MORE THAN A MATHWORKS ACCOUNT.  
[HTTPS://IN.MATHWORKS.COM/LEARN/TUTORIALS/MATLAB-ONRAMP.HTML](https://in.mathworks.com/learn/tutorials/matlab-onramp.html)
3. MATHWORKS ALSO HAS A COMPREHENSIVE LIST OF COURSES AND TUTORIALS IN THE MATHWORKS ACADEMY. [HTTPS://MATLABACADEMY.MATHWORKS.COM/](https://matlabacademy.mathworks.com/)
4. NOT ONLY DOES MATLAB OFFER TRAINING ON IT'S PRODUCTS, IT ALSO HAS AN EXTENSIVE USER COMMUNITY DEDICATED TO HELPING ONE ANOTHER AND IMPROVING USER EXPERIENCE IN MATLAB.





I NEVER LEARN ANYTHING BY TALKING. I ONLY LEARN THINGS BY ASKING  
QUESTIONS. - LOU HOLTZ

SO FIRE AWAY..... WELL NOT LITERALLY ANYWAY ;)

THANK YOU FOR YOUR PATIENCE!!

THE  
ELECTRONICS  
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