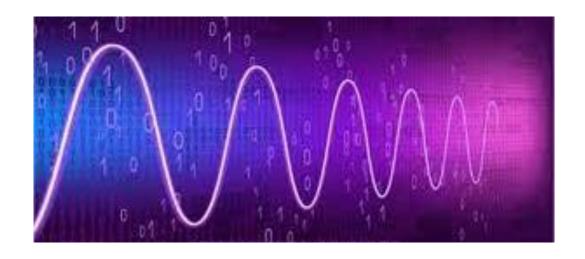# DIGITAL SIGNAL PROCESSING LAB MANUAL 1

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Software/Tool

- MATLAB
- Version 2019 (a) or above
- Get its Setup from your CR (provided by TA)
- Every student must install it on their system before next lab.

MATLAB Installation

Steps:

1. Run setup.exe and use option "Use a File Installation Key"
2. When you will be asked to "Provide File Installation Key"
   - i. select "I have the File Installation Key for my license"
   - ii. enter 09806-07443-53955-64350-21751-41297
3. Select folder where you want MATLAB to be installed.
4. When you will be asked to "Select products to install" deselect component "MATLAB Parallel Server" and select component you need. If you will leave all components selected MATLAB will need 23Gb of disk size and longer startup time. If you left only "MATLAB 9.6" - 2.5Gb of disk size
5. You better setup MATLAB on SSD disk for better startup time, so you probably need to not waste SSD-disk size for nothing.
6. After installation is done copy file "netapi32.dll" to already existing <matlabfolder>\bin\win64 folder (<matlabfolder> - is where you have installed MATLAB)
7. Copy "license.lic" file to <matlabfolder>\licenses folder.
   - a. Alternatively, to copying license file manually you can just start MATLAB.
   - b. In that case you will get window asking you to select license
   - c. First select "Activate manually without the Internet" and then in field "Enter the full path to your license file, including the file name" select "license.lic" file
8. Now Start Working on MATLAB.

Note 1:
- license.lic additionally to possibilities of license_standalone.lic gives Matlab permission to work from remote desktop (RDP)
- This allow not to use license_server.lic in certain cases

Note 2:
- File Installation Key you gave to installer actually depend on Matlab edition and type of license you want
  1. For standalone license (license.lic or license_standalone.lic):

     For workstation use case (typical configuration) :

     09806-07443-53955-64350-21751-41297

For cluster node "Matlab Parallel Server"   :

      40236-45817-26714-51426-39281

2. For floating license (license_server.lic)

For workstation use case (typical configuration) :
31095-30030-55416-47440-21946-54205

For cluster node "Matlab Parallel Server"   :
57726-51709-20682-42954-31195