

TEAM ID	PNT2022TMID11418
PROJECT NAME	Real-Time Communication System Powered by AI for Specially Abled

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COLLIMATOR

Graphical UI for Control Systems Design

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DS

DataSpell

DataSpell is an IDE for exploratory data analysis and prototyping machine learning models. It combines the interactivity of Jupyter notebooks with the intelligent Python and R coding assistance of PyCharm in one user-friendly environment.

Install

CMD.exe Prompt

0.1.1

Run a cmd.exe terminal with your current environment from Navigator activated

Launch

JupyterLab

3.3.2

An extensible environment for interactive and reproducible computing, based on the Jupyter Notebook and Architecture.

Launch

jupyter

Notebook

6.4.8

Web-based, interactive computing notebook environment. Edit and run human-readable docs while describing the data analysis.

Launch

Powershell Prompt

0.0.1

Run a Powershell terminal with your current environment from Navigator activated

Launch

PC

PyCharm Community

2022.2.1

An IDE by JetBrains for pure Python development. Supports code completion, listing, and debugging.

Launch

IP

Qt Console

5.3.0

PyQt GUI that supports inline figures, proper multiline editing with syntax highlighting, graphical calltips, and more.

Launch

Spyder

5.1.5

Scientific Python Development Environment. Powerful Python IDE with advanced editing, interactive testing, debugging and introspection features

Launch

VS Code

1.72.0

Streamlined code editor with support for development operations like debugging, task running and version control.

Launch

DL

Datalore

Kick-start your data science projects in seconds in a pre-configured environment. Enjoy coding assistance for Python, SQL, and R in Jupyter notebooks and benefit from no-code automations. Use Datalore online for free.

Launch

Deepnote

Deepnote is a notebook built for collaboration. Create notebooks in your browser, spin up your conda environment in seconds and share with a link.

Launch

IBM Watson Studio Cloud

IBM Watson Studio Cloud provides you the tools to analyze and visualize data, to cleanse and shape data, to create and train machine learning models. Prepare data and build models, using open source data science tools or visual modeling.

Launch

ORACLE

Cloud Infrastructure

Oracle Data Science Service

OCI Data Science offers a machine learning platform to build, train, manage, and

Glueviz

1.0.0

Multidimensional data visualization across files. Explore relationships within and

Orange 3

3.32.0

Component based data mining framework. Data visualization and data analysis for

PC

PyCharm Professional

A Full-Fledged IDE by JetBrains for both Scientific and Web Python development.

R

RStudio

1.1.456

A set of integrated tools designed to help you be more productive with R. Includes R

01:58 PM

04-11-2022

```
(base)C: k1ND0ldS syslen32
Collecting tensorflow
  Downloading tensorflow-2.10.0-cp39-cp39-win-amd64.whl (455.9 MB)
    455.9 MB 5.1 MB/s
Collecting keras<2.10.0,>=2.10.0
  Downloading keras-2.10.0-py2.py3-none-any.whl (1.7 MB)
Collecting tensorflow-gcs-plugin==0.23.1
  Downloading tensorflow-gcs-plugin-0.23.1-cp39-cp39-win-amd64.whl (7.5 kB)
Requirement already satisfied: setuptools in c:\users\dnaresh\anaconda3\lib\site-packages (from tensorflow) (61.2.0)
Requirement already satisfied: grpcio<2.0.0,>=1.24.3 in c:\users\dnaresh\anaconda3\lib\site-packages (from tensorflow) (1.42.0)
Requirement already satisfied: h5py<=2.9.0 in c:\users\dnaresh\anaconda3\lib\site-packages (from tensorflow) (3.6.0)
Requirement already satisfied: numpy>=1.14.0 in c:\users\dnaresh\anaconda3\lib\site-packages (from tensorflow) (1.21.1)
Collecting opt-einsum==2.3.2
  Downloading opt_einsum-2.3.2-py3-none-any.whl (6.5 kB)
Collecting termsofart==1.1.0
  Downloading termsofart-1.1.0-py3-none-any.whl (5.8 kB)
Requirement already satisfied: six>=1.12.0 in c:\users\dnaresh\anaconda3\lib\site-packages (from tensorflow) (1.16.0)
  Downloading google-pasta-0.2.0-py3-none-any.whl (57 kB)
Requirement not satisfied: protobuf<3.28,>=3.9.2 in c:\users\dnaresh\anaconda3\lib\site-packages (from tensorflow) (3.19.1)
Requirement already satisfied: topi-extension-s>=3.6.6 in c:\users\dnaresh\anaconda3\lib\site-packages (from tensorflow) (4.1.1)
Collecting tf-nightly==2.0
  Downloading tf-nightly-2.0.26-py2.py3-none-any.whl (26.1 MB)
Collecting absl-py==1.0.0
  Downloading absl-py-1.3.0-py3-none-any.whl (124 kB)
    124 kB 3.3 MB/s
Requirement already satisfied: numpy>=1.20 in c:\users\dnaresh\anaconda3\lib\site-packages (from tensorflow) (1.21.5)
Collecting gast==0.4.0,>=0.2.1
  Downloading gast-0.4.0-py3-none-any.whl (9.8 kB)
Requirement already satisfied: packaging in c:\users\dnaresh\anaconda3\lib\site-packages (from tensorflow) (21.3)
Collecting astunparse==1.6.0
  Downloading astunparse-1.6.3-py2.py3-none-any.whl (12.1 kB)
Collecting tensorboard<2.11,>=2.10
  Downloading tensorboard-2.10.1-py3-none-any.whl (5.9 MB)
Collecting clang==3.0.0
  Downloading clang-14.0.6-py2.py3-none-win-amd64.whl (74.2 MB)
    74.2 MB 6.8 MB/s
Requirement already satisfied: keras-preprocessing>=1.1.1 in c:\users\dnaresh\anaconda3\lib\site-packages (from tensorflow) (1.1.2)
Collecting tensorflow-estimator<2.11,>=2.10.0
  Downloading tensorflow-estimator-2.10.0-py2.py3-none-any.whl (438 kB)
    438 kB 6.8 MB/s
Requirement already satisfied: wheel<1.0,>=0.23.0 in c:\users\dnaresh\anaconda3\lib\site-packages (from tensorflow-estimator==1.6.0->tensorflow) (0.37.1)
Requirement already satisfied: markdown>=2.6.8 in c:\users\dnaresh\anaconda3\lib\site-packages (from tensorboard<2.11,>=2.10->tensorflow) (3.3.4)
```



```
(base) C:\kl1NDOldS\sysl em32>pip install keras==2.2.4
Collecting keras==2.2.4
  Downloading Keras-2.2.4-py2.py3-none-any.whl (372 kB)
    372 kB 6.4 MB/s
Requirement already satisfied: six>=1.9.0 in c:\users\dnare sh\anaconda3\lib\site-packages (from keras==2.2.4) (1.16.0)
Collecting keras-preprocessing>=1.0.5
  Downloading Keras-Preprocessing-1.1.2-py2.py3-none-any.whl (42 kB)
    42 kB 3.4 MB/s
Collecting keras-applications>=1.0.6
  Downloading Keras-Applications-1.0.8-py3-none-any.whl (50 kB)
    50 kB 3.0 MB/s
Requirement already satisfied: numpy>=1.9.1 in c:\users\dnare sh\anaconda3\lib\site-packages (from keras==2.2.4) (1.21.5)
Requirement already satisfied: tensorflow>=1.9.0 in c:\users\dnare sh\anaconda3\lib\site-packages (from keras==2.2.4) (1.16.0)
Requirement already satisfied: scipy>=0.14 in c:\users\dnare sh\anaconda3\lib\site-packages (from keras==2.2.4) (1.7.3)
Requirement already satisfied: pillow in c:\users\dnare sh\anaconda3\lib\site-packages (from keras==2.2.4) (6.0)
Installing collected packages: keras-preprocessing, keras-applications, keras
Successfully installed keras-2.2.4 keras-applications-1.0.8 keras-preprocessing-1.1.2
```

```
(base) C:\kl1NDOldS\sysl em32>
```

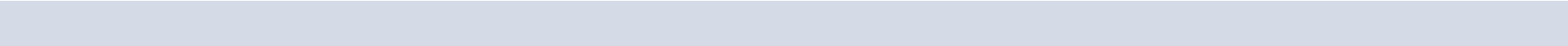
```
(base) C:\k1ND0ldS\sysl em32>pip install opencv-python
Collecting opencv-python
  Using cached opencv-python-4.6.0.66-cp3-6-abi-3-win_amd64.whl (35.6 MB)
Requirement already satisfied: numpy>=1.14.5 in c:\users\nanesh\anaconda3\lib\site-packages (from opencv-python) (1.21.5)
Installing collected packages: opencv-python
Successfully installed opencv-python 4.6.0.66
```

```
(base) C:\k1ND0ldS\sysl em32>
```



```
(base) C:\k1ND0ldS> sys em32
Collecting imut1s
  Downloading imut1s-0.5.4.tar.gz (17 kB)
Building wheels from collected packages: imut1s
  Building wheel for imut1s (setup.py) ... done
  Created wheel for imut1s: filename=imut1s-0.5.4-p13-none-any.whl size=25872 sha256=a84507bT6a35332b4be4ae9b57c623ba95aaT8a9c96T34778a4b1486Tzb1ac31
  Stored in directory: c:\u ser sdnare sh appdal a 1oc a1\p ip \c ache\uhee1s\4b\ a 5\2d \4a070a80Td3a3d93T033d3ee9728T470T5T4826e89952dT3ea
Successfully built imut1s
Installing collected packages: imut1s
Successfully installed imut1s-0.5.4
```

```
(base) C:\k1ND0ldS> sys em32
```



```
(base) C:\d1ND0ldS>syslen32>pip install Tla sk
Requirement already satisfied: Tla sk in c:\usersdnanesh\anaconda3\lib\site-packages (1.1.2)
Requirement already satisfied: Jinja2>=2.10.0 in c:\usersdnanesh\anaconda3\lib\site-packages (from Tla sk) (2.11.3)
Requirement already satisfied: MarkupSafe>=0.2.5 in c:\usersdnanesh\anaconda3\lib\site-packages (from Tla sk) (2.0.3)
Requirement already satisfied: itsdangerous>=0.24 in c:\usersdnanesh\anaconda3\lib\site-packages (from Tla sk) (2.0.1)
Requirement already satisfied: click>=5.1 in c:\usersdnanesh\anaconda3\lib\site-packages (from Tla sk) (8.0.4)
Requirement already satisfied: Colossal in c:\usersdnanesh\anaconda3\lib\site-packages (from Tla sk) (8.4.4)
Requirement already satisfied: MarkupSafe>=0.2.3 in c:\usersdnanesh\anaconda3\lib\site-packages (from Tla sk) (2.0.1)
```

```
(base) C:\d1ND0ldS>syslen32>
```

