Peer-Peer Mentoring Program
Student Learning Center, Hansraj College

Month and Year: September, 2022

Department: Physics and Electronics

Name of the Departmental Program Coordinator: Dr. Ravikant Prasad

S. No	Name of the Mentor	Semester	Number of sessions	Date and Time (of each session)	Topics covered (in each session)	No. of Mentees attended (per each session)
1	Mr. Keshav	V	2 session of 2 hours each (4 hours)	09-09-2022; 11:00 am - 01:00 pm	SciLab - I	21
				11-09-2022; 11:00 am - 01:00 pm	SciLab - II	10

Mentor: Mr. Keshav

Course: B. Sc. (H) Physics
Current Semester: V
Email id: keshavkumargovati@gmail.com

September 04, 2022
Basic about Scilab language and applications of its programming

Basic elements of the language (Creating real variables, variable name , comments and continues line , elementary mathematical functions, Strings ,pre-defined mathematical variables)

Doubt asking and solving problems at last.

Meeting Attendance

Meeting Summary
Total Number of
Participants   29
Meeting Title   General
Meeting Start Time   9/4/2022, 10:59:06 AM
Meeting End Time   9/4/2022, 12:58:43 PM
                       eb2343b7-df56-4aa7-9368-
Meeting Id   33552ec0da7b

Full Name	Join Time	Leave Time	Duration	Email	Role
keshav14221	9/4/2022, 10:59:06 AM	9/4/2022, 12:58:43 PM	1h 59m	keshav14221@hrc.edu.du.ac.in	Presenter
spandan4030	9/4/2022, 10:59:42 AM	9/4/2022, 11:08:53 AM	9m 10s	spandan4030@hrc.edu.du.ac.in	Attendee
sanjay14243	9/4/2022, 10:59:49 AM	9/4/2022, 11:58:26 AM	58m 36s	sanjay14243@hrc.edu.du.ac.in	Attendee
tamanna3911	9/4/2022, 11:00:43 AM	9/4/2022, 11:04:48 AM	4m 4s	tamanna3911@hrc.edu.du.ac.in	Attendee
tamanna3911	9/4/2022, 11:09:16 AM	9/4/2022, 11:30:05 AM	20m 48s	tamanna3911@hrc.edu.du.ac.in	Attendee
sahana3903	9/4/2022, 11:00:51 AM	9/4/2022, 11:30:53 AM	30m 2s	sahana3903@hrc.edu.du.ac.in	Attendee
kakul4034	9/4/2022, 11:01:07 AM	9/4/2022, 12:57:04 PM	1h 55m	kakul4034@hrc.edu.du.ac.in	Attendee
ritika3996	9/4/2022, 11:01:32 AM	9/4/2022, 11:04:45 AM	3m 12s	ritika3996@hrc.edu.du.ac.in	Attendee
ritika3996	9/4/2022, 11:06:09 AM	9/4/2022, 11:07:01 AM	52s	ritika3996@hrc.edu.du.ac.in	Attendee
ritika3996	9/4/2022, 11:17:04 AM	9/4/2022, 11:21:18 AM	4m 13s	ritika3996@hrc.edu.du.ac.in	Attendee
rokee3993	9/4/2022, 11:02:28 AM	9/4/2022, 11:53:05 AM	50m 36s	rokee3993@hrc.edu.du.ac.in	Attendee
rhishita3910	9/4/2022, 11:03:10 AM	9/4/2022, 11:05:15 AM	2m 5s	rhishita3910@hrc.edu.du.ac.in	Attendee
dinesh3952	9/4/2022, 11:03:19 AM	9/4/2022, 11:34:47 AM	31m 27s	dinesh3952@hrc.edu.du.ac.in	Attendee
vardhaman3978	9/4/2022, 11:03:23 AM	9/4/2022, 12:52:07 PM	1h 48m	vardhaman3978@hrc.edu.du.ac.in	Attendee
amrutha3955	9/4/2022, 11:03:48 AM	9/4/2022, 12:02:38 PM	58m 49s	amrutha3955@hrc.edu.du.ac.in	Attendee
amrutha3955	9/4/2022, 12:18:12 PM	9/4/2022, 12:58:14 PM	40m 2s	amrutha3955@hrc.edu.du.ac.in	Attendee
prince4002	9/4/2022, 11:04:24 AM	9/4/2022, 11:04:33 AM	8s	prince4002@hrc.edu.du.ac.in	Attendee
siddhant3982	9/4/2022, 11:04:42 AM	9/4/2022, 11:07:13 AM	2m 31s	siddhant3982@hrc.edu.du.ac.in	Attendee
siddhant3982	9/4/2022, 11:09:17 AM	9/4/2022, 11:29:42 AM	20m 24s	siddhant3982@hrc.edu.du.ac.in	Attendee
siddhant3982	9/4/2022, 11:35:12 AM	9/4/2022, 12:05:44 PM	30m 31s	siddhant3982@hrc.edu.du.ac.in	Attendee
ca3969	9/4/2022, 11:05:04 AM	9/4/2022, 12:58:13 PM	1h 53m	ca3969@hrc.edu.du.ac.in	Attendee
ayush3936	9/4/2022, 11:05:10 AM	9/4/2022, 11:06:10 AM	1m	ayush3936@hrc.edu.du.ac.in	Attendee
billu3941	9/4/2022, 11:05:44 AM	9/4/2022, 11:06:17 AM	32s	billu3941@hrc.edu.du.ac.in	Attendee
arjun3905	9/4/2022, 11:07:55 AM	9/4/2022, 11:08:35 AM	40s	arjun3905@hrc.edu.du.ac.in	Attendee
tejas3947	9/4/2022, 11:10:27 AM	9/4/2022, 11:46:24 AM	35m 57s	tejas3947@hrc.edu.du.ac.in	Attendee
sawan3944	9/4/2022, 11:12:06 AM	9/4/2022, 11:25:35 AM	13m 29s	sawan3944@hrc.edu.du.ac.in	Attendee
rudraksh4006	9/4/2022, 11:12:27 AM	9/4/2022, 11:12:48 AM	21s	rudraksh4006@hrc.edu.du.ac.in	Attendee
sangeeta3924	9/4/2022, 11:13:47 AM	9/4/2022, 11:44:53 AM	31m 5s	sangeeta3924@hrc.edu.du.ac.in	Attendee
ritik3948	9/4/2022, 11:15:00 AM	9/4/2022, 11:43:37 AM	28m 36s	ritik3948@hrc.edu.du.ac.in	Attendee
aman4032	9/4/2022, 11:22:06 AM	9/4/2022, 11:23:45 AM	1m 38s	aman4032@hrc.edu.du.ac.in	Attendee
aman4032	9/4/2022, 12:18:12 PM	9/4/2022, 12:18:51 PM	38s	aman4032@hrc.edu.du.ac.in	Attendee
suhail3928	9/4/2022, 11:22:26 AM	9/4/2022, 11:27:37 AM	5m 10s	suhail3928@hrc.edu.du.ac.in	Attendee
suhail3928	9/4/2022, 11:48:26 AM	9/4/2022, 11:49:13 AM	46s	suhail3928@hrc.edu.du.ac.in	Attendee
vikalp4037	9/4/2022, 11:26:09 AM	9/4/2022, 12:55:07 PM	1h 28m	vikalp4037@hrc.edu.du.ac.in	Attendee
ajay14177	9/4/2022, 11:31:01 AM	9/4/2022, 11:50:46 AM	19m 45s	ajay14177@hrc.edu.du.ac.in	Attendee
rohit3961	9/4/2022, 11:32:21 AM	9/4/2022, 12:58:13 PM	1h 25m	rohit3961@hrc.edu.du.ac.in	Attendee
jagrati3931	9/4/2022, 12:12:53 PM	9/4/2022, 12:35:13 PM	22m 20s	jagrati3931@hrc.edu.du.ac.in	Attendee

September 11, 2022
Revised all of the concepts of Scilab basics again, and start new topic followed by.
Looping and Branching
(If statement, for while statement and while statement, break and continue statement)
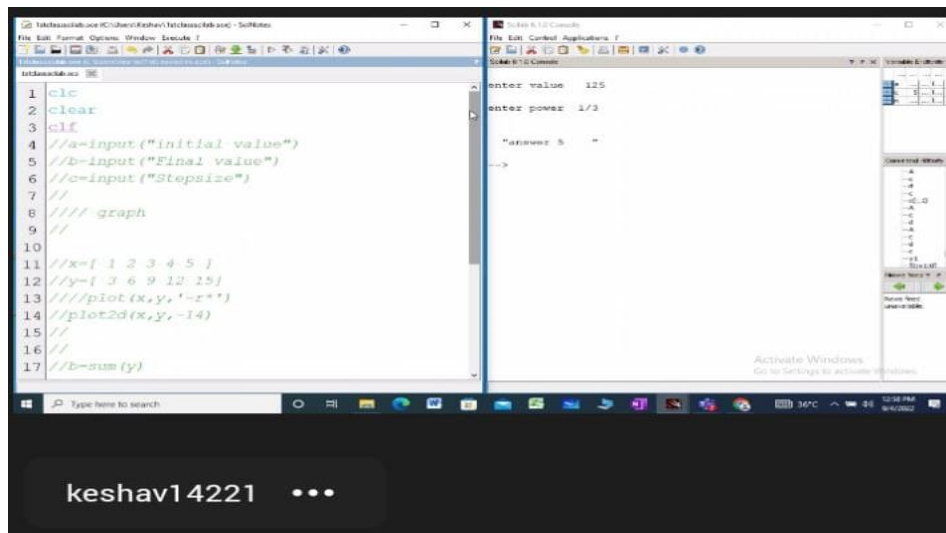Plotting 2D graph
Title, axis and legends
Basics of Matrices
At last doubt solving and designing a numerical question orientated Scilab code and plot
graph.

Meeting Summary
Total Number of   12
Meeting Title   General
Meeting Start Time 9/11/2022, 11:01:30 AM
Meeting End Time   9/11/2022, 1:17:37 PM
Meeting Id   300fc4bd-6cac-4531-968b-

Full Name	Join Time	Leave Time	Duration	Email	Role
keshav14221	9/11/2022, 11:01:30 AM	9/11/2022, 1:17:37 PM	2h 16m	keshav14221@hrc.edu.du.ac.in	Presenter
sahil3971	9/11/2022, 11:01:38 AM	9/11/2022, 11:01:48 AM	9s	sahil3971@hrc.edu.du.ac.in	Attendee
kakul4034	9/11/2022, 11:02:09 AM	9/11/2022, 1:16:58 PM	2h 14m	kakul4034@hrc.edu.du.ac.in	Attendee
yash4042	9/11/2022, 11:02:50 AM	9/11/2022, 12:15:30 PM	1h 12m	yash4042@hrc.edu.du.ac.in	Attendee
yash4042	9/11/2022, 12:31:21 PM	9/11/2022, 12:32:34 PM	1m 12s	yash4042@hrc.edu.du.ac.in	Attendee
vikalp4037	9/11/2022, 11:04:16 AM	9/11/2022, 1:16:58 PM	2h 12m	vikalp4037@hrc.edu.du.ac.in	Presenter
aditya4001	9/11/2022, 11:04:39 AM	9/11/2022, 11:05:03 AM	24s	aditya4001@hrc.edu.du.ac.in	Attendee
mohit4024	9/11/2022, 11:10:44 AM	9/11/2022, 11:12:58 AM	2m 14s	mohit4024@hrc.edu.du.ac.in	Attendee
ritika3996	9/11/2022, 11:11:09 AM	9/11/2022, 11:12:43 AM	1m 33s	ritika3996@hrc.edu.du.ac.in	Attendee
amit4036	9/11/2022, 11:12:53 AM	9/11/2022, 11:41:35 AM	28m 42s	amit4036@hrc.edu.du.ac.in	Attendee
amit4036	9/11/2022, 11:43:18 AM	9/11/2022, 12:07:20 PM	24m 1s	amit4036@hrc.edu.du.ac.in	Attendee
sachin14248	9/11/2022, 11:17:57 AM	9/11/2022, 11:18:12 AM	15s	sachin14248@hrc.edu.du.ac.in	Attendee
vishnu3946	9/11/2022, 11:22:01 AM	9/11/2022, 11:36:43 AM	14m 41s	vishnu3946@hrc.edu.du.ac.in	Attendee
ajay14177	9/11/2022, 11:43:44 AM	9/11/2022, 11:58:36 AM	14m 52s	ajay14177@hrc.edu.du.ac.in	Attendee

Photographs

keshav14221 •••

First SciNotes editor (Scilabclass_2.sce):

```
14 a     input('Enter the inicar cime periou )
15 c=input('Enter the final time period')
16 h=input('Enter the stepsize')
17 t=a:h:c
18 y=sin(t)
19 z=cos(t)
20 m=tan(t)
21 disp(y)
22 disp(z)
23 disp(m)
24 //plot(t,y)
25
26 plot(t,y,'r')
27 plot(t,z,'-g*')
28 xlabel('Time period','fontsize',5)
29 ylabel('Trignometric funtion','fontsize',5)
30 title('Trignometric funtion of Sine and Cos
```

Line 30, Column 44.

Second SciNotes editor (Scilabclass_2.sce):

```
6 //disp('THis is value of a ')
7 //disp(a)
8 //
9 //i=5
10 //I=15
11 //disp('Value of I')
12 //disp(I)
13
14 t=0:%pi/4:4*%pi
15 y=sin(t)
16 z=cos(t)
17 m=tan(t)
18 disp(y)
19 disp(z)
20 disp(m)
21 plot
22
```

Line 21, Column 4.

Console output (Scilab 6.1.0 Console):

```
        column 1 to 5
0.    0.7071068   1.    0.7071068   1.225D-16
        column 6 to 10
-0.7071068  -1.  -0.7071068  -2.449D-16   0.7071068
        column 11 to 15
1.    0.7071068   3.674D-16  -0.7071068  -1.
        column 16 to 17
-0.7071068  -4.899D-16

        column 1 to 5
1.    0.7071068   6.123D-17  -0.7071068  -1.
        column 6 to 10
-0.7071068  -1.837D-16   0.7071068   1.    0.7071068
        column 11 to 15
3.062D-16  -0.7071068  -1.  -0.7071068  -4.286D-16
        column 16 to 17
0.7071068   1.

        column 1 to 6
0.    1.    1.633D+16  -1.  -1.225D-16   1.
        column 7 to 12
5.444D+15  -1.  -2.449D-16   1.    3.266D+15  -1.
        column 13 to 17
-3.674D-16   1.    2.333D+15  -1.  -4.899D-16
```