

Msc Computer Science
Compulsory Credit Course 2022-23

Scilab

Total Credit =1 [For 25 marks]

Lectures Distribution

Module	Module Name	No Of Lectures	Classroom lectures (Min)	Self-based lectures (Min)
1	Unit 1	1	60	35 + 90 = 125
2	Unit 2	2	-	31+ 80 = 111
3	Unit 3	4	40	75
4	Unit 4	3	20	-
5	Unit 5	2	60	125 + 120
6	Unit 6	3	60	165 + 167
		15	4	888 = 14.8 Hrs.approx.

[25% classroom teaching+75% self-based learning]

Evaluation Type based on each module

Module	Module Name	Type of exam	Marks	Credit
1	Unit 3,5 and 6 1	Assignment	15	-
3	Unit 2 and 6 2	A signment	10	-
			25	1

h.m. Phadnis
Mrs. Gitanjali Phadnis
Course Instructor



Dr. Shalini Iyer
Dr. Shalini Iyer
Course Coordinator

Module
Pre-requisites in Scilab
Total Number of lectures 18 Approx

Module No	Topic	No. of Lect.	Study Material	Minute
1	Installation of the software Scilab. Basic syntax, Mathematical Operators, Predefined constants, Built in functions.	1	- Classroom Teaching - E Resources - 1) <u>Study Material</u> 2) <u>Scilab Lecture 1</u>	60 90 35
			Minutes	185
2	Complex numbers, Polynomials, Vector Matrix. Handling these data structures in functions.	2	- Classroom Teaching - E Resources - 1) <u>Study Material</u> 2) <u>Scilab Lecture 2</u>	- 80 31
			Minutes	111
3	Programming - Functions - Loops - Conditional statements - Handling .sci files	4	- Classroom Teaching - E Resources - 1) <u>Study Material</u>	40 75
			Minutes	115
4	Installation of additional packages e.g. 'optimization'	3	Classroom Teaching	20
			Minutes	20
5	Graphics Handling - 2D, 3D Graphs - Generating .jpg files - Function Plotting - Data Plotting	2	Classroom teaching - E Resources - 1) <u>Study Material</u> 2) <u>Scilab Lecture 5_1</u> 3) <u>Scilab Lecture 5_1 – Surf Command</u> 4) <u>Scilab Lecture 3D graphs</u>	60 120 31 43 51

H.M. Phadnis
Mrs. Gitanjali Phadnis
Course Instructor



Shalini Iyer
Dr. Shalini Iyer,
Course Coordinator

			Minutes	285
6	Applications - Numerical Linear Algebra (Solving linear equations, eigen values etc.) - Numerical Analysis – iterative methods	3	• Classroom teaching • E-Contents: 1) <u>Study Material 6_1</u> 165 <u>Study Material 6_2</u> 15 <u>Study Material 6_2</u> 30 2) <u>RREF</u> 36 3) <u>Regula Falsi Method</u> 4) <u>Regula Falsi Method</u> 38 <u>Program</u> 28 5) <u>Newton Raphson Method</u> 20 6) <u>Linsolve command</u> 7) <u>Eigen Values and Eigen</u> <u>Vectors</u>	
			Minutes	392

Mrs. Gitanjali Phadnis
Course Instructor



Dr. Shalini Iyer
Course **Coordinator**

Msc Computer Science
Compulsory Credit Course

Latex

Total Credit =1 [For 25 marks]

Lectures Distribution

Module	Module Name	No Of Lectures	Classroom lectures	Self-based lectures
1	Unit 1	1	30	30
2	Unit 2	2	-	113
3	Unit 3	4	60	140
4	Unit 4	3	-	89
5	Unit 5	2	30	
6	Unit 6	3	60	228
7	Unit 7	1	-	
		16		

[25% classroom teaching+75% self-based learning]

Evaluation Type based on each module

Module	Module Name	Type of exam	Marks	Credit
1	Unit 1,2,3,4,5	MCQ	10	
3	Unit 6	Assignment	10	
			25	1

Vrushi Paranjape
Mrs. Vrushi Paranjape
Course Instructor



Shalini Iyer
Dr. Shalini Iyer,
Course Coordinator

Module
Pre-requisites in Latex
Total Number of lectures 16

Module No	Topic	No. of Lect.	Study Material	Minute
1	Installation of the software LaTeX	1	- Classroom teaching - Recorded lectures: - First Lecture	30 30 25
			Minutes	85
2	- Understanding Latex Compilation - Basic Syntax - Writing equations, - Writing Matrix - Writing Tables	2	- E-resource for chap-2 - FirstDocument - Equations - Matrix - Table - Recorded Lecture: - Equations - Matrix - Table	30 min 36 18 29
			Minutes	113
3	- Page Layout – Titles, - Abstract - Chapters, Sections, - References, Equation references, - citation. - List making environments - Table of contents, Generating new commands, - Figure handling numbering - List of figures, List of tables - Generating index.	4	- Classroom Teaching - E-Resource for Unit 3 - List - Table of Contents-1 - Table of Contents -2 - Index - Create Bibliography - Recorded Lecture - References(Bibliography) - List - Table of Contents Indexpage Coverpage - PageLayout	60 60 30 10 26 15
			Minutes	201
4	- Packages: Geometry, Hyperref, amsmath, amssymb, algorithms, - algorithmic graphic, color, tilez listing.	3	- E-Resource for Unit 4 - Algorithm - Color -Notes - ColorText - Hyperlink - Graphics - Recorded Lecture	30 29

Murshida
Mrs. Krushali Paranjape
Course Instructor



Shalini
Dr. Shalini N. K.
Course Coordinator

Sadhu Vaswani Mission's

St Mira's College for Girls, Pune
[Autonomous-affiliated to Savitribai Phule Pune University]
Attendance Sheet for [A.Y. 2022-23]

Class: MSc(CS)

Subject Code:

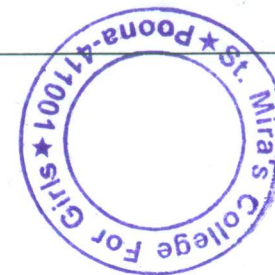
Subject: Mathematics Latex

Sem: II and IV

Credits: 1

Period: From Date to Date - 10 January to 26 April 2023

No of lectures taken: 4

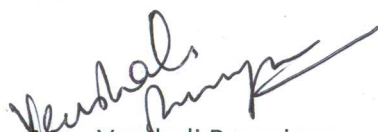


Sr.No	Name	Roll Number	09-04-2023 (9.10-10)	23-04-2023 (9.45-11.30)	24-04-2023 (5-6.30)	4/28/2023	TOTAL ATTENDED LECTURE COUNT 4
1	Sakshi Shashikant Jagtap	5801	A	A	P	P	2
2	gurpreet kaur	5802	A	A	P	P	2
3	Sakshi Govardhan Zaware	5803	P	A	P	A	2
4	tanvi patange	5804	A	P	A	P	2
5	mrinal kokre	5805	A	P	A	P	3
6	Pratiksha Burge	5806	A	A	P	A	2
7	sakshi shinde	5807	P	A	A	P	2
8	5808_riddhi kawade	5808	P	A	A	P	2
9	Pallavi Vijay Nalage	5809	A	A	P	P	2
10	anusha koppala	5811	A	P	A	P	2
11	harshada manjare	5812	A	P	P	A	2
12	Siddhita Hingade	5813	A	P	A	A	2
13	5814_bhagyashree_ khandve	5814	A	A	P	P	2
14	Gayatri Pujari	5815	A	P	A	P	2
15	andrea belsher	5901	A	P	P	P	3
16	Vaishnavi Dipak Bhujbal	5902	A	A	P	P	2
17	KSHITIJA NITIN GAIKWAD	5903	P	A	P	P	2
18	doyita mazumdar	5904	A	A	A	P	1

Ms. Roshali Karanjape
Course Instructor.

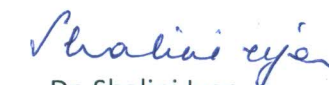
Dr. Shalini Verma
Course Coordinator

19	dipali shinde	5905	P	P	A	P	2
20	Prof Shweta Rajkumar Survase	5906	P	A	A	A	1
21	arti tathe	5907	P	A	P	A	2
22	devyani rupeeja	5908	P	P	P	P	3
23	aishwarya jagtap	5909	A	A	P	P	2
24	rutika kapai	5910	A	P	P	A	2
25	megha kuttat	5911	A	P	P	P	2
26	yukta raval	5912	A	A	P	P	2
27	Hadiya Parkar	5913	A	A	P	P	2
28	Mrunali Siddha	5914	A	A	P	P	2
29	shweta thakur	5915	A	P	P	A	2
30	sneha sable	5916	P	A	A	P	3
31	Janhavi Jetla	5917	A	P	A	A	1
32	phalguni chanchlani	5918	A	P	P	A	2
33	Ronek Kaur	5919	A	P	P	P	3
34	uzma shaikh	5920	A	A	A	P	1
35	sanjana gaikwad	5921	A	A	A	P	1
36	sejal agarwal	5922	A	A	A	P	1
37	Rutuja Malav	5923	P	A	A	A	1
38	Akshra Patil	5924	A	A	A	P	1
39	Pooja Gaikwad	5925	A	A	A	P	1


Mrs. Vrushali Paranjape
Course Instructor

Mrs. Gitanjali Phadnis
Course Instructor




Dr. Shalini Iyer
Co-ordinator
Course Coordinator

Sadhu Vaswani Mission's

St Mira's College for Girls, Pune
[Autonomous-affiliated to Savitribai Phule Pune University]
Attendance Sheet for [A.Y. 2022-23]

Class: MSc(CS)

Subject Code:

Subject: Mathematics Scilab

Sem: II and IV Credits: 1

Period: From Date to Date - 10 January to 26 April 2023

No of lectures taken: 4



<u>Sr.No.</u>	<u>Name</u>	<u>Roll Number</u>	<u>1/10/2023</u> 10/1/2023	<u>3/18/2023</u> 18/3/2023	<u>26/04/2023</u> (11:45:00 AM- 1:45:00 PM) 2 HRS 2 Lectures	<u>TOTAL ATTENDED LECTURE COUNT 4</u>
1	Sakshi Shashikant Jagtap	5801	P	P	P	4
2	gurpreet kaur	5802	P	P	A	2
3	Sakshi Govardhan Zaware	5803	P	P	P	3
4	tanvi patange	5804	P	A	P	3
5	mrinal kokre	5805	P	P	P	4
6	Pratiksha Burge	5806	P	P	A	2
7	sakshi shinde	5807	P	A	P	3
8	5808_riddhi kawade	5808	P	P	P	4
9	Pallavi Vijay Nalage	5809	P	P	P	4
10	anusha koppala	5811	P	A	P	3
11	harshada manjare	5812	P	P	A	2
12	Siddhita Hingade	5813	P	P	A	2
13	5814_bhagyashree_ khandve	5814	P	P	P	4
14	Gayatri Pujari	5815	P	A	P	3
15	andrea belsher	5901	P	P	P	4

G. M. Phadnis
Mr. Gitanjali Phadnis
Course Instructor.

Shalini Y. S.
Dr. Shalini Y. S.
Course Coordinator

16	Vaishnavi Dipak Bhujbal	5902	P	P	P	4
17	KSHITIJA NITIN GAIKWAD	5903	P	P	P	4
18	doyita mazumdar	5904	P	P	P	4
19	dipali shinde	5905	P	P	P	4
20	Prof Shweta Rajkumar Survase	5906	P	A	P	3
21	arti tathe	5907	P	P	P	4
22	devyani rupeeja	5908	P	P	P	4
23	aishwarya jagtap	5909	P	P	P	4
24	rutika kapai	5910	P	P	A	2
25	megha kuttat	5911	P	P	P	4
26	yukta raval	5912	P	P	P	4
27	Hadiya Parkar	5913	P	A	P	3
28	Mrunali Siddha	5914	P	A	P	3
29	shweta thakur	5915	P	P	A	2
30	sneha sable	5916	P	A	P	3
31	Janhavi Jetla	5917	P	A	A	1
32	phalguni chanchlani	5918	P	A	P	3
33	Ronek Kaur	5919	P	P	P	4
34	uzma shaikh	5920	P	A	A	1
35	sanjana gaikwad	5921	P	A	A	1
36	sejal agarwal	5922	P	A	A	1
37	Rutuja Malav	5923	P	A	A	1
38	Akshra Patil	5924	P	A	P	3
39	Pooja Gaikwad	5925	P	A	A	1

G. M. Phadnis
Mrs. Gitanjali Phadnis
Course Instructor



Shalini Iyer
Dr. Shalini Iyer
Coordinator
Course Coordinator

Sadhu Vaswani Mission's

St Mira's College for Girls, Pune

[Autonomous-affiliated to Savitribai Phule Pune University]

Attendance Sheet for [A.Y. 2022-23]

Class: MSc(CS)

Subject Code:

Subject: Mathematics Scilab

Sem: II and IV

Credits: 1

Period: From Date to Date - 10 January to 26 April 2023

No of lectures taken: 4

Name	Roll Number	Scilab 25 Marks	Latex 25 Marks	English 50 Marks	Total out of 100	Credits out of 4
Andrea Belsher	5901	24	21	48	93	4
Vaishnavi Dipak Bhujbal	5902	19	23	42	84	4
KSHITIJA NITIN GAIKWAD	5903	21	18	44	83	4
doyita mazumdar	5904	22	19	43	84	4
dipali shinde	5905	18	22	39	79	4
Shweta Rajkumar Survase	5906	22	20	37	79	4
arti tathe	5907	22	18	21	61	4
devyani rupeeja	5908	24	20	50	94	4
aishwarya jagtap	5909	22	19	45	86	4
rutika kapai	5910	20	20	39	79	4
megha kuttat	5911	20	19	46	85	4
yukta raval	5912	20	23	48	91	4
Hadiya Parkar	5913	21	21	40	82	4
Mrunali Siddha	5914	22	20	45	87	4
shweta thakur	5915	22	17	46	85	4
sneha sable	5916	21	18	41	80	4
Janhavi Jetla	5917	15	12	29	56	4
phalguni chanchlani	5918	22	20	47	89	4
Ronek Kaur	5919	22	19	41	82	4
uzma shaikh	5920	19	20	50	89	4
sanjana gaikwad	5921	23	17	47	87	4
sejal agarwal	5922	20	20	49	89	4
Rutuja Malav	5923	17	17	45	79	4
Akshra Patil	5924	20	17	48	85	4
Pooja Gaikwad	5925	17	10	34	61	4

