

THE
REPORT ON

A One Day State Level Science Workshop

Introduction to SciLab

27th January, 2018

Organized by

Department of Mathematics
School of Science

Sou. Sushila Danchand Ghodawat Charitable Trust's
Sanjay Ghodawat University, Kolhapur



Sector No. 583 to 585, Kolhapur – Sangli high way, Post- Atigre-416118

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Email: registrar@sanjayghodawatuniversity.ac.in

Website: www.sanjayghodawatuniversity.ac.in

Inauguration Function:

For Inaugural function along with all dignitaries, all Mathematics faculties were present with Special appearance of First year Head and Physics department head Mrs. S. P Patil madam and Chemistry department head Dr. Bhangemadam. Mr. Akash welcomed all dignitaries and all the outside students. Mr. S.S. Salgare sir did welcome address and explained, detailed schedule of the workshop. He said we are going to provide hands on experience to all students in various three sessions. Also, he explained about a response to this workshop. More than 140 students had shown interest in this workshop. But as we had limitations of students for 50 to 60 students, we had decided to take one more such session for remaining students. Dr. A.D. Sawant brief about school of science. Dr. V. V. Kulkarni, Director SGI suggested to arrange such one more workshops for 2 to 3 days or for one week. He also suggested that to conduct this workshop for engineering students. Dr. V. A. Dr. Raikar, VC, SGU was happy to see such a huge response from various B.Sc. colleges and gave compliment to the organizer and all participants for starting the function at sharp 10am. Further he emphasizes how students, researchers and teachers can use the Scilab and other FOSS (free open Source Software) for there for regular study. Ms. Patil P.V. did vote of thanks of dignitaries and all teaching, non- teaching faculties for valedictory function. Also she said we will take this session for one week next time.



Dr. Raikar sir, Vice- Chancellor addressing to audience



Dr. Kulkarni sir, Director addressing to audience



Chief Patron

Hon. Mr. Sanjay D. Ghodawat
President, SGU

Patron

Hon. Mr. Shrenikji Ghodawat
Secretary, SGU

Chief Guest

Hon. Mr. Vinayak Bhosale
Trustee, SGU

Advisory Committee

Prof. (Dr.) V.A. Raikar
Vice-Chancellor, SGU

Prof. (Dr.) B.M. Hirdekar
Registrar, SGU

Dr. M.T. Telsang
Dean, Academics, SGU

Dr. A.D. Sawant
Dean, School of Science, SGU

Organizing Committee

Mr. S.S. Salgare
Convener

Miss. P.V. Patil
Program Coordinator

Mr. S.A. Tele
Co-ordinator

Mr. V.D. Kulkarni
Asst. Professor

Mr. S.M. Mali
Asst. Professor

Mr. K.K. Chougule
Asst. Professor

Mrs. Ashwini Kulkarni
Asst. Professor

Mr. S.T. Patil
Asst. Professor

Dr. V.B. Dembre
Asst. Professor

Sanjay Ghodawat University Kolhapur

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Dist.: Kolhapur, Maharashtra, India, Phone: (0230) 2463700

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Mob.: 9552448171, 9922804528, 9975634608

One Day State Level Workshop on

"Introduction to Scilab"

For B.Sc. III Year Maths Students

27th January, 2018



Organized by:

Department of Mathematics



Sanjay Ghodawat University Kolhapur

Empowering Lives Globally !

About the University

The Sanjay Ghodawat University (SGU) is established in the Academic Year 2017-18. It is established as a State Private University under Govt. of Maharashtra Act No. XL of 2017 dated 3rd May 2017, with the approval of the state Government.

Spread across 150 Acres, Sou. Sushila Danchand Ghodawat Charitable Trust's Sanjay Ghodawat University (SGU) is situated in serene atmosphere amidst idyllic hills and lush green meadows to study in harmony with Nature.

The Sanjay Ghodawat University stands as a beacon of light to guide the younger generation of the day on the right path to fulfillment in career and life. The USP of the University is its research based curriculum and academically oriented teaching staff. The world class ambience and infrastructure helps the students to easily accommodate themselves in an environment that is conducive to the teaching- learning process. Hands on experience, challenge based case studies, maximum participation of students in the classroom, use of modern digital technology, smart classrooms, solution oriented thinking promotion, stress on research and innovation, international tie ups, choice based credit system for flexibility in choosing areas of interest etc. are some of the features of the University.

About Department

The department has strength of well qualified and experienced faculty members. The department has one advanced computer lab. Students can develop their programming skill by practicing in various software viz. Mat lab, Scilab, WxMaxima, C/C++, latex etc. The department of Mathematics aims to train people who are oriented towards research and teaching in both fundamental and advanced areas of Mathematical Sciences. Weekly NET/SET sessions have been arranged in the M. Sc course.

About Scilab

Scilab is free and open source software for numerical computation providing a powerful computing environment for engineering and scientific applications. Scilab is released as

open source under the CeCILL license (GPL compatible), and is available for download free of charge. It has all the convenience that the original Fortran of Matlab had. It also uses the state of the art computational libraries LINPACK, EISPACK, etc. It is used by the academia and the industry, an example of the latter being CNES, the French aerospace corporation.

Scilab comes with a graphical programming interface Xcos, which is somewhat similar to Simulink, a product developed by Mathworks for use with Matlab. In contrast, Octave, the other open source alternative to Matlab, does not have an equivalent of Simulink.

Workshop Objectives

- To spread awareness about Scilab software.
- To spread awareness of applications of Scilab for mathematical subjects.
- To promote open source software in the field of education.
- To Enhance Computational Skills of the Students.

Expected Outcomes

- To create interest about scilab among students
- To inspire students to use scilab software in mathematics

Registration Fees

- Rs. 100/- Per head
- The workshop is for 50 participants only.

Venue & Time

- Faculty of Management Building, Computer Center, Ground Floor
- Reporting Time: 9.30 am.



REGISTRATION FORM

One Day State Level Workshop on

"Introduction to Scilab"

For B.Sc. III Year Maths Students

27th January, 2018

Full Name :

Gender : DOB :

Father's Name :

Name and full address of the Institute/College :

.....

.....

Class :

Full address for correspondence :

.....

.....

Phone No. : Mob. :

E-mail :

Date :

Students' Signature

Session 1:

Recourse Person : Mr. S. S. Salgare (Head, department of Mathematics, SGU Kolhapur)

Time : 10.30 am to 12.0 pm

Content of Session : Introduction to Scilab, Arithmetic Operations, Scilab as Calculator, syntax in Scilab, Predefined Variables, creating arrays and vectors, Matrix, Binary operations on Matrix, in built commands for matrix etc.



Mr. S.S. Salgare delivering his session




Online Feedback for Session 1

At the end of the session online feedback through Moodle were taken and the analysis is as below:




Submitted answers: 31

Questions: 7

1. () The presenter communicated the information clearly.

- Strongly Agree:  10 (32.26 %)
- Agree:  20 (64.52 %)
- Disagree:  1 (3.23 %)
- Strongly Disagree: 0

2. () The presenter made the subject matter compelling.

- Strongly Agree:  8 (25.81 %)
- Agree:  19 (61.29 %)
- Disagree:  4 (12.90 %)
- Strongly Disagree: 0

3. () The presenter was able to answer questions.

- Strongly Agree:  17 (54.84 %)
- Agree:  14 (45.16 %)
- Disagree: 0
- Strongly Disagree: 0



4. () The session was relevant to me.

- Strongly Agree:  13 (41.94 %)
- Agree:  18 (58.06 %)
- Disagree: 0
- Strongly Disagree: 0

5. () The session was interesting.

- Strongly Agree:  23 (74.19 %)
- Agree:  8 (25.81 %)
- Disagree: 0
- Strongly Disagree: 0

6. () The session met my purpose in attending workshop.

- Strongly Agree:  15 (48.39 %)
- Agree:  16 (51.61 %)
- Disagree: 0
- Strongly Disagree: 0

7. () Any Comment about the session

- The session was very nice
- very good
- the session is best
- All sessions have done very well and enjoyed all three sessions.
-
- The session is very usefull & interesting.I get moer information in these one day workshop.So heartly thanks.
- Arrange once again
-
- the 1st session is very useful for me it is very useful in my bsc ty practical feeling good about 1st session the presenter present her presentation best.
-
- These is very useful session. I will thankful for these.
- Best session
-
-
- the session is very helpful for me to understanding scilab. thank you for giving this apportunity for us
-
- I learn lout of knowledg from this scilab workshop.
- Everything is perfect here. So I learn more here about scilab.
- presentation was nice
- the fabulous work shop
i really like it.....
- this session is one of the best.
- Sir, please arrange one more workshop in 'march'
- excellent
-
- Good
- the session is very useful &interesting I get information in these one day workshop so heartly thanks
- This session is awesome
and this session is one of the best session.
- i am still enjoying and get the knowledge
- The session is very intresting. i get the more information about scial in one day workshop .so heartly thanks sir.
- NICE SESSION
- good session

Session 2:

Recourse Person : Mrs. A. K. Kulkarni (Asst. Prof, SGU Kolhapur)

Time : 12.30 pm to 01.30 pm and 2.10pm to 2.50 pm

Content of Session : Scripts, Function, looping, conditionally looping and plotting



Mrs. A.K. Kulkarni delivering her Session

Online feedback for Session 2:

At the end of the session online feedback through Moodle were taken and the analysis is as below:




Submitted answers: 20

Questions: 7

() The presenter communicated the information clearly.

- Strongly Agree:  3 (15.00 %)
- Agree:  17 (85.00 %)
- Disagree: 0
- Strongly Disagree: 0

() The presenter made the subject matter compelling.

- Strongly Agree:  4 (20.00 %)
- Agree:  14 (70.00 %)
- Disagree:  2 (10.00 %)
- Strongly Disagree: 0

() The presented was able to answer questions.

- Strongly Agree:  7 (35.00 %)
- Agree:  13 (65.00 %)
- Disagree: 0
- Strongly Disagree: 0

() The session was relevant to me.

- Strongly Agree:  7 (35.00 %)
- Agree:  13 (65.00 %)
- Disagree: 0
- Strongly Disagree: 0

() The session was interesting.

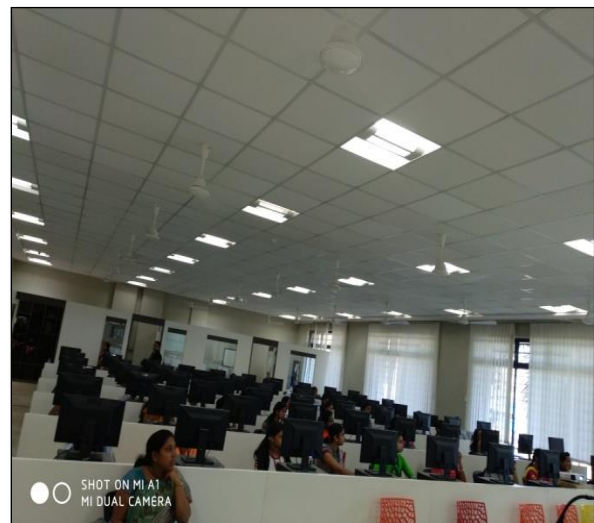
- Strongly Agree:  8 (40.00 %)
- Agree:  12 (60.00 %)
- Disagree: 0
- Strongly Disagree: 0

() The session met my purpose in attending workshop.

- Strongly Agree:  6 (30.00 %)
- Agree:  14 (70.00 %)
- Disagree: 0
- Strongly Disagree: 0

() Any Comment about the session

- intresting session
-
-
- these is very useful for us
-
- good session
- Best and easy session
- very knowlegeble
- PRESENTATION IS GOOD.
- Naice
- I like it much,learn very well.
- one of the best one session and i like this session
-
- I like this workshop
- the session was best.
-
- nice
-
-
- Best



Session 3:

Recourse Person : Dr. N.D. Sangale (Vice Principal, ADCET, Astha)

Time : 3.00pm to 5.00 pm

Content of Session : Matrix operations in Scilab, Special Commands for Matrix and Numerical Methods for solving system of linear equations by Crammers rule, Gauss elimination method, Gauss Jordan method etc



Dr. N.D. Sangale delivering his session

Online feedback for session3:

At the end of the session online feedback through Moodle were taken and the analysis is as below:





Submitted answers: 19

Questions: 7

() The presenter communicated the information clearly.

- Strongly Agree:  12 (63.16 %)
- Agree:  7 (36.84 %)
- Disagree: 0
- Strongly Disagree: 0

() The presenter made the subject matter compelling.

- Strongly Agree:  8 (42.11 %)
- Agree:  9 (47.37 %)
- Disagree:  1 (5.26 %)
- Strongly Disagree:  1 (5.26 %)




() The presented was able to answer questions.

- Strongly Agree:  10 (52.63 %)
- Agree:  9 (47.37 %)
- Disagree: 0
- Strongly Disagree: 0




() The session was relevant to me.

- Strongly Agree:  7 (36.84 %)
- Agree:  12 (63.16 %)
- Disagree: 0
- Strongly Disagree: 0

() The session was interesting.

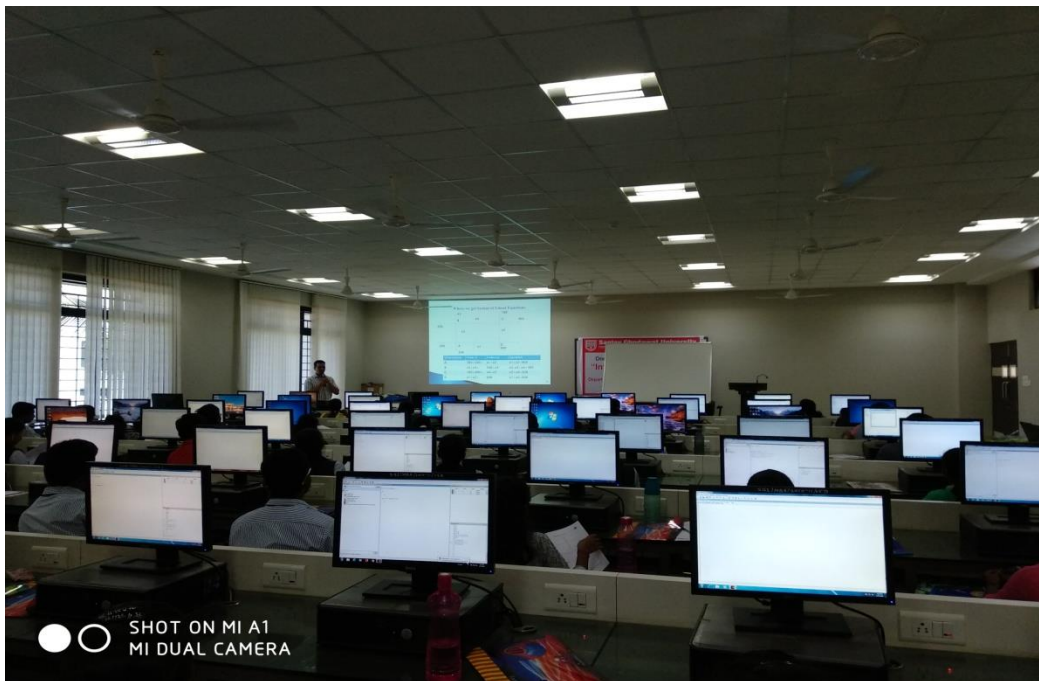
- Strongly Agree:  10 (52.63 %)
- Agree:  8 (42.11 %)
- Disagree:  1 (5.26 %)
- Strongly Disagree: 0

() The session met my purpose in attending workshop.

- Strongly Agree:  9 (47.37 %)
- Agree:  9 (47.37 %)
- Disagree:  1 (5.26 %)
- Strongly Disagree: 0

() Any Comment about the session

- good session
-
- excellent
-
-
- thank you sir,giving more knowledg.
- excellent session
-
- very good session
-
-
- Best
- excelent
- Good
- This session is best one and
i like this session
-
- very very interesting and best session
- not forget me sgi workshop in my life



Overall Feedback

Feedback on paper – We have taken all over feedback for the event. The format is as given with the feedback analysis

One Day State Level Workshop on “**Introduction to Scilab**”

Organized by Department Of Mathematics

Feedback Form

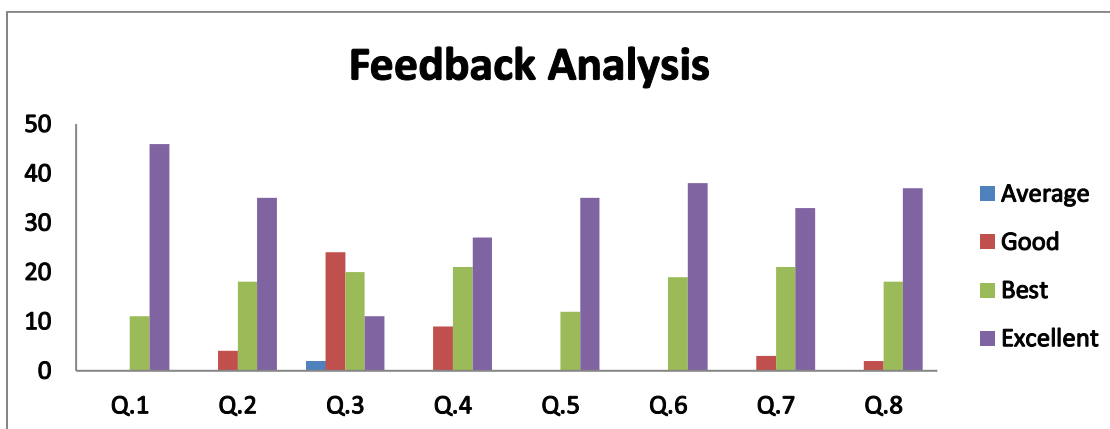
Day and Date – 27th January, 2018

Venue: – Computer Centre, Ground Floor, Faculty of Management Building. Sanjay Ghodawat University, Kolhapur (Atigre).

Sr. No.	Question	Average	Good	Best	Excellent
1	Facilities in SGU Campus?				
2	How was the Session I?				
3	How was the Session II?				
4	How was the Session III?				
5	Quality of Working Lunch?				
6	Management of Event?				
7	Was the workshop helpful?				
8	Overall Impression of the Event				

Any Other suggestions- -----

Name of the student and sign_____



Suggestions and comments given by participants –

- I am enjoying this workshop and It is useful to the education and entire life
- Workshop was nice. Organize more such workshops and give us chance to attend it
- I am satisfied by this event so no suggestions.
- If possible take 2 days workshop on scilab. One day is insufficient for workshop
- Please arrange one week workshop to give us detailed knowledge about various computer program related to mathematics.
- Faculties and campus is excellent and workshop is best, so no suggestions.
- Arrange such programs for another mathematical concept which required for practical knowledge with more number of students so that our friends can attend it.
- Event was too good. But we want more information and sessions related to scilab. I feel more satisfy if you will take another session.
- SGU campus is awesome.
- Arrange this type of workshop again.
- No need any suggestion.
- One day time is not sufficient to study Scilab.
- All sessions were very good and also I really appreciate that SGU has given us hand on experience to learn Scilab.

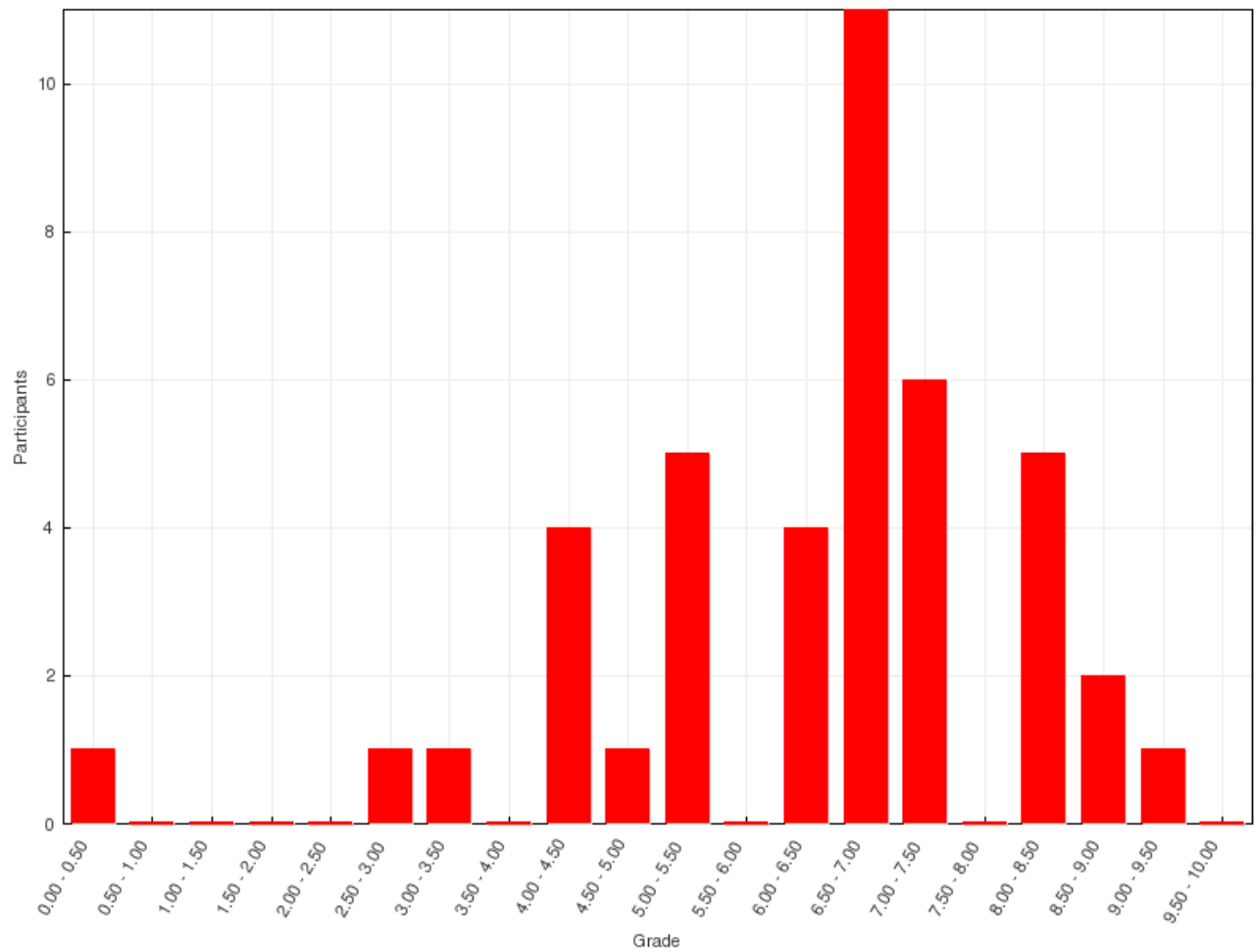
Moodle Quiz:

At the end of the day we conducted quiz (MCQ) on Moodle and first three toppers were felicitated during the valedictory function; the result of the quiz is as below:

Sr. No.	Name	Time taken	Grade/10.00
1	AnkitaAnnasoChougule	9 mins 15 secs	9.33
2	ApurvaAvinashKabade	17 mins 8 secs	8.67
3	AratiShivlingKhabile	12 mins 56 secs	8.67
4	MrunalHariPatil	13 mins 3 secs	8
5	SayaliNarendraPathak	11 mins 36 secs	8
6	Vaishali Sanjay Danole	10 mins 13 secs	8
7	PrajaktaPrakashPatil	14 mins 3 secs	8
8	Vidyavilaspatil	9 mins 4 secs	8
9	Tejswiniprakashupadhye	9 mins 6 secs	7.33
10	SukhadaGajananKulkarni	13 mins 54 secs	7.33
11	PratikshaMahavirPatil	8 mins 49 secs	7.33
12	Avdhutprakashsankpal	10 mins 23 secs	7.33
13	NiveditaPralhadKhot	8 mins 36 secs	7.33
14	ShubhechaDattatrayaJadhav	8 mins 50 secs	7.33
15	Amruta Vijay Patil	9 mins 1 sec	6.67
16	SangeetaAchalaramChoudhari	14 mins 33 secs	6.67
17	MahadevLakshmanKhot	14 mins 21 secs	6.67
18	BhagyashriNingappa Mali	15 mins 28 secs	6.67
19	Smita Sanjay Patil	10 mins 59 secs	6.67
20	PrajaktaSurgondaPatil	9 mins 47 secs	6.67
21	SnehaIshwarWaghamare	8 mins 54 secs	6.67
22	Shubhangivasantshinde	8 mins 56 secs	6.67
23	AparnaDattatrayaPotdar	6 mins 15 secs	6.67
24	AyemanImtiyaz Patel	12 mins 36 secs	6.67
25	SurekhaManoharPandhare	15 mins 9 secs	6.67
26	Anil MallappaKotyal	12 mins 9 secs	6
27	SwejalSureshkumarPatil	8 mins 44 secs	6
28	Manoj Shankar Jadhav	11 mins 23 secs	6
29	Dhirajtanajihawaladar	14 mins 42 secs	6
30	JyotiSatpute	6 mins 53 secs	5.33
31	Mahesh RamchandraBhende	13 mins 42 secs	5.33
32	Sneha Sunil Valivade	9 mins 3 secs	5.33
33	Gajanan Narayan Sutar	11 mins 37 secs	5.33
34	PruthviBhimannaMendegar	8 mins 35 secs	5.33
35	GirijaGovindPawar	6 mins 17 secs	4.67
36	ManasiRajendraPatil	8 mins 34 secs	4
37	AmirsohelYakubaliTikoti	10 mins 9 secs	4
38	Pooja Ramesh Mali	11 mins 24 secs	4
39	AkshayBhujgondaPatil	4 mins 12 secs	4
40	SonaliMahadevPatil	7 mins 7 secs	3.33
41	SnehaBhimgondaMudashi	8 mins 45 secs	2.67
42	ShaguptaIqbalMakandar	23 mins 1 sec	0

	Overall average		6.22
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Overall number of students achieving grade ranges:



Student's views:



Girija Govind Pawar, Raje Ramrao College, Jath



Chinmay Damre, DKASC College, Ichalkaranji



Manoj Shankar Jadhav, KWC, Sangali

List of Participants:

Student who registered for One Day Workshop on "Introduction to Scilab"

Sr. No.	Full name of the student	College Name	Contact number
1	Ms. Supriya Ravindra Moghe	D. K. A. S. C. College,	8788015951
2	Ms. Ashwini Appaso kumbhar	D. K. A. S. C. College,	9156665059
3	Ms. Asmita sarjerao awaghade	D. K. A. S. C. College,	7057031322
4	Mr. Chinmay suryakant Damre	D. K. A. S. C. College,	7841034587
5	Mr. Dhiraj tanaji hawaladar	D. K. A. S. C. College,	9112343298
6	Ms. Snehal Anil Yadav	D. K. A. S. C. College,	8808342695
7	Ms. Susmita Krushnkant Jamdar	D. K. A. S. C. College,	9762475755
8	Ms. Varsha Balasaheb Hanbar	D. K. A. S. C. College,	8788150127
9	Ms. Reshm Balasaheb Havaladar	D. K. A. S. C. College,	9075858870
10	Mr. Mohole Shubham Sanjay	D. K. A. S. C. College,	7038422424
11	Ms. Nikita Dileep Aiwale	D. K. A. S. C. College,	9834302840
12	Ms. Pooja shivaji sutar	D. K. A. S. C. College,	9970873821
13	Ms. Sanmati rajkumar birnale	D. K. A. S. C. College,	8552058073
14	Ms. Smita Sanjay Patil	D. K. A. S. C. College,	7522981020
15	Ms. Kamble Vidya Vilas	Rajaram college, kolhapur	7057902450
16	Ms. Jyoti Satpute	Rajaram college, kolhapur	7769810596
17	Ms. Mrunal Hari Patil	Rajaram college, kolhapur	9665819300
18	Ms. Bhagyashri Ningappa Mali	Raje Ramrao	7875493741
19	Mr. Amirsohel Yakubali Tikoti	Raje Ramrao	8007225443
20	Mr. Avdhut prakash sankpal	Raje Ramrao	9850518845
21	Ms. Girija Govind Pawar	Raje Ramrao	9156206990
22	Mr. Mahadev Lakshman Khot	Raje Ramrao	9172077369
23	Mr. Mahesh Ramchandra Bhende	Raje Ramrao	8805591000
24	Ms. Pruthvi Bhimanna Mendegar	Raje Ramrao	9075387535
25	Ms. Shagupta Iqbal Makandar	Raje Ramrao	9011721461
26	Ms. Shubhangi vasant shinde	Raje Ramrao	7588362925
27	Ms. Sneha Bhimgonda Mudashi	Raje Ramrao	9637053132
28	Ms. Sneha Ishwar Waghmare	Raje Ramrao	9765315754
29	Ms. Sonali Mahadev Patil	Raje Ramrao	7776064003
30	Ms. Sukhada Gajanan Kulkarni	Raje Ramrao	8975580389
31	Mr. Gajanan Narayan Sutar	Raje Ramrao	8308920415
32	Mr. Akshay Bhujgonda Patil	Smt. Kasturabai Walchand	9075178502
33	Ms. Amruta Vijay Patil	Smt. Kasturabai Walchand	9096543934
34	Mr. Anil Mallappa Kotyal	Smt. Kasturabai Walchand	7767882184
35	Ms. Ankita Annaso Chougule	Smt. Kasturabai Walchand	7709982397
36	Ms. Aparna Dattatraya Potdar	Smt. Kasturabai Walchand	9890203372
37	Ms. Apurva Avinash Kabade	Smt. Kasturabai Walchand	7218656684
38	Ms. Arati Shivling Khabile	Smt. Kasturabai Walchand	9762743001
39	Mr. Jitendra Ganapati Jadhav	Smt. Kasturabai Walchand	7757840949
40	Ms. Manasi Rajendra Patil	Smt. Kasturabai Walchand	7588058894

41	Mr. Manoj Shankar Jadhav	Smt. Kasturabai Walchand	9767683067
42	Ms. Nivedita Pralhad Khot	Smt. Kasturabai Walchand	9890805706
43	Ms. Pooja Ramesh Mali	Smt. Kasturabai Walchand	9730098555
44	Ms. Prajkta Prakash Patil	Smt. Kasturabai Walchand	8855965564
45	Ms. Prajkta Surgonda Patil	Smt. Kasturabai Walchand	9730546708
46	Ms. Pratiksha Mahavir Patil	Smt. Kasturabai Walchand	7020625730
47	Ms. Sangeeta Achalaram Choudhari	Smt. Kasturabai Walchand	9923389126
48	Ms. Sayali Narendra Pathak	Smt. Kasturabai Walchand	9763939839
49	Ms. Shubhecha Dattatraya Jadhav	Smt. Kasturabai Walchand	9272897809
50	Ms. Sneha Sunil Valivade	Smt. Kasturabai Walchand	9130320672
51	Ms. Swejal Sureshkumar Patil	Smt. Kasturabai Walchand	9423247430
52	Ms. Tejswini prakash upadhye	Smt. Kasturabai Walchand	9130320771
53	Ms. Vaishali Sanjay Danole	Smt. Kasturabai Walchand	8421458217
54	Ms. Ayeman Imtiyaz Patel	Willingdon College ,	8208009142
55	Ms. Shruti Avinash Kalloli.	Willingdon College, Sangli.	7758999281
56	Ms. Shweta Arun Kadam	Willingdon College ,	7038034848
57	Ms. Shweta sampatrao Jadhav	Willingdon College ,	8999742104
58	Ms. Surekha Manohar Pandhare	Willingdon College ,	8983915066
59	Ms. Vidya vilas patil	Willingdon College ,	7843012931

Valedictory Function:

Valedictory function started in the presence of Dean Dr. A.D. Sawant sir at 5.30 pm. We identified three winners from quiz and felicitated them by giving surprise gift. Three winners are Ankita Annaso Chougule, Apurva Avinash Kabade and Arati Shivling Khabile. Some students from outside colleges shared their views about this workshop. They were very happy by attending this kind of informative workshop. They said they learnt very new thing about scilab and hands on experience was really helpful for them. They also liked infrastructure of SGU Campus and food quality. One student asked on behalf of all students about all the information of SGU, teaching methodologies, courses and all other information. Dr. A.D Sawant briefed about various courses and other details about school of Science. At last Ms. Patil P. V. thanked all the students and faculties from outside colleges to be part of this workshop. Also she thanked Dean Dr. Sawant, all Mathematics faculties, Mr. Sandip Patil for his technical help, Mr. Sachin Gurav, Office boys Mr. Avinash and Mr. Vinayak. Also she thanked our M.Sc.-I students Mr. Akash and Miss. Anita. After taking one group photo we concluded the session.



Faculty and student receiving certificates



Group Photo

Ms. P.V. Patil
Coordinator

Mr. S.S. Salgare
HoD, Mathematics

Dr. A.D. Sawat
Dean, School of Science