
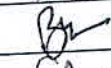








Date: 13/08/2020

CIRCULAR

This is to inform that the following PAC members are requested to attend the meeting on 14/08/2020 at 1.30PM in the HODs chamber to discuss about the analyzing of curriculum of academic year 2020-21.

| Sl No. | Faculty Name | Designation | Signature |
|--------|-------------------|---------------------|---|
| 1 | Dr. K N Ravi | Professor and Head |  |
| 2 | Dr. Narayanappa | Professor |  |
| 3 | Dr. G Raghavendra | Associate Professor |  |
| 4 | Mrs. Rekha S.N | Associate Professor |  |
| 5 | Mr. A Dhamodaran | Assistant Professor |  |
| 6 | Mrs. Jhansi K | Assistant Professor |  |
| 7 | Mrs. Ramya M | Assistant Professor |  |
| 8 | Mrs. Divya N.S. | Assistant Professor |  |


HOD

PROF & HOD

Department of Electrical & Electronics Engineering
Sapthagiri College of Engineering
Bangalore - 560057



Principal

Sapthagiri College of Engineering
14/5, Chikkasandra, Hasarahatta Main Road
Bangalore - 560057


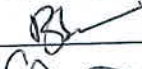





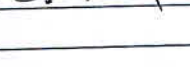
Minutes of Meeting

With reference to above circular dated 14-08-2020 the PAC members assembled in HODs chamber for the following agenda.

AGENDA:

- Reviewing the department curriculum syllabus of academic year 2020-21.
- Reviewing the feedback analysis of various Faculty for the academic year 2019-20
- Identifying the gaps.
- Action to be taken for identifying the gaps.

The following PAC members were present

| Sl No. | Faculty Name | Designation | Signature |
|--------|--------------------|---------------------|---|
| 1 | Dr. K N Ravi | Professor and Head |  |
| 2 | Dr. Narayanappa | Professor |  |
| 3 | Dr. G. Raghavendra | Associate Professor |  |
| 4 | Mrs. Rekha S.N | Associate Professor |  |
| 5 | Mr. A Dhamodaran | Assistant Professor |  |
| 6 | Mrs. Jhansi K | Assistant Professor |  |
| 7 | Mrs. Ramya M | Assistant Professor |  |
| 8 | Mrs. Divya N.S. | Assistant Professor |  |

| Sl No. | SEM | Course Title | Identified Gap |
|--------|-----|---------------------|---|
| 1 | 5th | Signals and systems | Lack of knowledge on Signals using present softwares. |
| 2 | 5th | Power Electronics | Lack of knowledge on power electronic converter |

The following points are discussed in the meeting

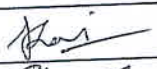
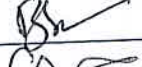
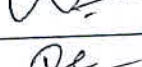
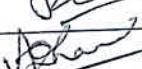

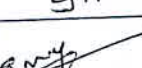


- The committee members reviewed the department curriculum syllabus.
- The committee members discussed about the feedback of department curriculum syllabus.
- The members identified the gaps based on the syllabus.
- The following action were taken for identifying the gaps.

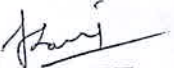


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Bijaydurga, 560037

ACTION TAKEN:

Based on the Feedback obtained from the faculties and analysis of syllabus by PAC members it was decided to conduct certification course on "PYTHON and its application to signals and systems" and "Design of power Electronic Converters Using MATLAB and LT spice" to overcome the gaps identified in the curriculum/syllabus.

| Sl No. | Faculty Name | Designation | Signature |
|--------|--------------------|---------------------|---|
| 1 | Dr. K N Ravi | Professor and Head |  |
| 2 | Dr. Narayanappa | Professor |  |
| 3 | Dr. G. Raghavendra | Associate Professor |  |
| 4 | Mrs. Rekha S.N | Associate Professor |  |
| 5 | Mr. A Dhamodaran | Assistant Professor |  |
| 6 | Mrs. Jhansi K | Assistant Professor |  |
| 7 | Mrs. Ramya M | Assistant Professor |  |
| 8 | Mrs. Divya N.S. | Assistant Professor |  |


HOD, EEE
PROF & HOD

Department of Electrical & Electronics Engineering
Sapthagiri College of Engineering
Bangalore - 560057



Principal

Sapthagiri College of Engineering
14/5, Chikkasandra, Hesarahatta Main Road
Bangalore - 560 057

Date: 17.08.2020

To

IQAC
Sapthagiri College of Engineering
Bangalore-560057

Respected Sir

Subject: "Requisition for conduction of certification course/Add on course and approval from governing council".

With respect to the academic committee members meeting was held for analyzing department curriculum/syllabus for the academic year 2020-21. The committee members identified few gaps after analyzing the syllabus and feedback from the stake holders. To bridge the gaps identified in the curriculum the committee members decided to conduct a certification course "PYTHON and its application to signals and systems" for the academic year 2020-21. So I request you to forward and get the approval from governing council for the same.

Thanking you

Enclosure: Budget Proposal.

*Forwarded to GC for
approval & certification*

[Signature]
IQAC - Co-ordinator
Sapthagiri College of Engineering
Bengaluru - 560 057.

[Signature]
HOD, EEE

PROF & HOD

Department of Electrical & Electronics Engineering
Sapthagiri College of Engineering
Bangalore - 560057

[Signature]
Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

To

Date: 28.11.2020

IQAC
Sapthagiri College of Engineering
Bangalore-560057


Respected Sir


Subject: "Seeking permission to prepone the Add on course".

With reference to the above subject I undersigned would like to bring the following for your kind information and consideration. As a part of programming skill development for EEE students, Department of Electrical and Electronics Engineering planned to conduct from 25-01-2021 to 30-01-2021. Due to availability of resource person the Add on course is postponed from 7-12-2020 to 24-12-2020. The add on course is conducting online titled as "PYTHON and its application to signals and systems".

Thanking you,

*Forwarded to QIC
for approval & certification*


IQAC - Co-ordinator
Sapthagiri College of Engineering
Bangalore - 560 057


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Department of Electrical & Electronics Engineering
Sapthagiri College of Engineering
Bangalore - 560057




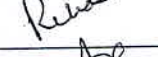

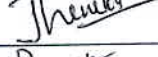
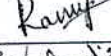


Principal
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Bangalore - 560 057

27-11-2020

CIRCULAR

This is to inform that the following Curriculum Board members are requested to attend the meeting on 28/11/2020 at 10.30AM in the HODs chamber to discuss about the certification course.

The following PAC members were present

| Sl | Faculty Name | Designation | Signature |
|----|--------------------|---------------------|---|
| 1 | Dr. K N Ravi | Professor & HOD |  |
| 2 | Dr. Narayanappa | Professor |  |
| 3 | Dr. G Raghavendra | Associate Professor |  |
| 4 | Prof. Rekha SN | Assistant Professor |  |
| 5 | Prof. Dhamodaran A | Assistant Professor |  |
| 6 | Prof. Jhansi K | Assistant Professor |  |
| 7 | Prof. Ramya M | Assistant Professor |  |
| 8 | Prof. Divya N S | Assistant Professor |  |



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Department of Electrical & Electronics Engineering
Sapthagiri College of Engineering
Bangalore - 560057



Principal

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14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Minutes of Meeting

A meeting was conducted on 28-Nov-2020 in EEE HOD's Chamber to discuss and approve the following about the online Certification Course for 7th semester EEE Students.










- **Course Title :** "PYTHON and its applications to signals and systems"
- **Resource Personnel:** Dr Leela AM Retd Professor Acharya Institute of Technology, Bengaluru.
- **Course Duration & Date:** From 07-12-2020 to 24-12-2020
- **Course Content :**

| Date | Content | No of Hours |
|--------------------|---|-------------|
| 07-12-2020 | Why Python | 2 |
| | Installation guide | |
| Python Interpreter | | |
| 08-12-2020 | Python Variables | 2 |
| | Python Data Types | |
| 09-12-2020 | Python Operators | 2 |
| | Casting, | |
| ----- | Online Quiz-1 | 1 |
| 10-12-2020 | Program Flow Control | 2 |
| 11-12-2020 | Python Functions, Lambda function | 2 |
| ----- | Online Quiz-2, Coding Exercise-1 | 1 |
| Numpy Module | | |
| 12-12-2020 | Creating array, indexing and slicing | 4 |
| 14-12-2020 | Copy v/s View, Array shaping and Re shaping | 2 |
| | Array iterating, Array Join,Array split | |
| 15-12-2020 | Array Search, Sort and Filter | 2 |
| ----- | Online Quiz-3, Coding Exercise-2 | 1 |
| Matplotlib Module | | |
| 16-12-2020 | Importing, Pyplots | 2 |
| 17-12-2020 | Plotting and Markers, Line style | 2 |
| | Subplots | |
| ----- | Online Quiz-4, Coding Exercise-3 | 1 |

Department of Electrical & Electronics Engineering

| | | |
|---|--|---|
| 18-12-2020 | Importing, Substitution | 2 |
| | Simplify(), evalf() and lambdafy() functions | |
| 19-12-2020 | Simplification, Derivative and Integration | 2 |
| ----- | Online Quiz-5, Coding Exercise-4 | 1 |
| Application to Signals and Systems | | |
| 19-12-2020 | Simulation of standard signals using Python | 2 |
| 21-12-2020 | Simulation of standard signals using Python | 2 |
| 22-12-2020 | Testing for Even and ODD signals | 2 |
| | Testing for Energy and Power signals | |
| 23-12-2020 | System response and Solution of differential | 2 |
| 24-12-2020 | Fourier Transform | 2 |
| ----- | Online Quiz-6, Coding Exercise-5 | 1 |

The following PAC members were present

| Sl | Faculty Name | Designation | Signature |
|----|--------------------|---------------------|---|
| 1 | Dr. K N Ravi | Professor & HOD |  |
| 2 | Dr. Narayanappa | Professor |  |
| 3 | Dr. G Raghavendra | Associate Professor |  |
| 4 | Prof. Rekha SN | Assistant Professor |  |
| 5 | Prof. Dhamodaran A | Assistant Professor |  |
| 6 | Prof. Jhansi K | Assistant Professor |  |
| 7 | Prof. Ramya M | Assistant Professor |  |
| 8 | Prof. Divya N S | Assistant Professor |  |
| 9 | Dr. Leela A M | Guest Speaker |  |


HOD,EEE

PROF & HOD

Department of Electrical & Electronics Engineering
Sapthagiri College of Engineering
Bangalore - 560057



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Bengaluru - 560 057



Sapthagiri College of Engineering

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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560057

Phone: 080-28372800/1/2

www.sapthagiri.edu.in

Fax: 080-28372797

Department of Electrical & Electronics Engineering

Date: 27-11-2020

To,

Prof. Leela AM
Retired Professor,
Department of EEE,
Acharaya Institute of technology
Bangalore - 560057.

Respected Madam,

Subject: Invitation as a "Guest Speaker" in certification program and to attend meeting to discuss about the certification program syllabus.

Department of Electrical & Electronics Engineering have planned to conduct a certification program titled "PYTHON and its applications to signals and systems" for the EEE students from 07-12-2020 to 24-12-2020. In this connection, we are privileged to invite you as a guest speaker on the above mentioned topic.

Thanking you for your kind acceptance to our request on phone. We request you to attend the meeting to discuss about the conduction of certification course on 28/11/2020. We look forward to welcome you at SCE.

Thanking you

Yours faithfully

HOD, EEE

PROF & HOD

Department of Electrical & Electronics Engineering
Sapthagiri College of Engineering
Bangalore - 560057

Principal

Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560057



Sri Srinivasa Educational & Charitable Trust
SAPTHAGIRI COLLEGE OF ENGINEERING

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Chikkasandra, Hesaraghatta Road, Bengaluru-560057

Department of Electrical and Electronics Engineering

**Add On COURSE on "PYTHON and its Application to
Signals and Systems"**

From: 7th to 24th December 2020

Sri. G. Dayanand

Chairman, SCE

Sri. G. D. Manoj

Executive Director, SCE

Resource Person- Dr. A.M. Leela

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Coordinators:

Mrs. Jhansi k

Mrs. Preetha NP

Mr. Shivaraj A

Dr. K. N. Ravi

HOD, EEE

Dr. H. Rama Krishna


Principal

Note: E- Certificate will be sent to the Students on scoring 60% and above marks secured in the online quiz.

NOTICE

As a part of programming skill development Department of Electrical and Electronics Engineering is conducting ADD on Course on “PYTHON and its Applications to Signals and Signals” from 7-Dec-2020 to 24-Dec-2020.

All the 7thsem EEE students must attend the course compulsorily.


Signature of HOD
PROF & HOD

Department of Electrical & Electronics Engineering
Sapthagiri College of Engineering
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Bangalore-560 057

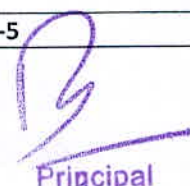
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Add-on course on "Python and its application to Signals and Systems"

(From 07/12/2020 to 24/12/2020)

DETAILED SYLLABUS AND SCHEDULE

| Date | Content | No of Hours (Total 42 hrs.) |
|------------------------------------|---|--------------------------------|
| 07-12-2020 | Why Python | 2 |
| | Installation guide | |
| Python Interpreter | | |
| 08-12-2020 | Python Variables | 2 |
| | Python Data Types | |
| 09-12-2020 | Python Operators | 2 |
| | Casting, | |
| ----- | Online Quiz-1 | 1 |
| 10-12-2020 | Program Flow Control | 2 |
| | If...else, while loop, for loop | |
| 11-12-2020 | Python Functions, Lambda function | 2 |
| ----- | Online Quiz-2, Coding Exercise-1 | 1 |
| Numpy Module | | |
| 12-12-2020 | Creating array, indexing and slicing | 4 |
| 14-12-2020 | Copy v/s View, Array shaping and Re shaping | 2 |
| | Array iterating, Array Join,Array split | |
| 15-12-2020 | Array Search, Sort and Filter | 2 |
| ----- | Online Quiz-3, Coding Exercise-2 | 1 |
| Matplotlib Module | | |
| 16-12-2020 | Importing, Pyplots | 2 |
| 17-12-2020 | Plotting and Markers, Line style | 2 |
| | Subplots | |
| ----- | Online Quiz-4, Coding Exercise-3 | 1 |
| Sympy Module | | |
| 18-12-2020 | Importing, Substitution | 2 |
| | Simplify(), evalf() and lambdafy() functions | |
| 19-12-2020 | Simplification, Derivative and Integration | 2 |
| ----- | Online Quiz-5, Coding Exercise-4 | 1 |
| Application to Signals and Systems | | |
| 19-12-2020 | Simulation of standard signals using Python | 2 |
| 21-12-2020 | Simulation of standard signals using Python | 2 |
| 22-12-2020 | Testing for Even and ODD signals | 2 |
| | Testing for Energy and Power signals | |
| 23-12-2020 | System response and Solution of differential equation | 2 |
| 24-12-2020 | Fourier Transform | 2 |
| ----- | Online Quiz-6, Coding Exercise-5 | 1 |



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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Add-on course on "Python and its application to Signals and Systems"

SCHEDULE

| Day | Date | Time |
|-----------|------------|---|
| MONDAY | 7-12-2020 | 6.00PM TO 8.00PM |
| TUESDAY | 8-12-2020 | 6.00PM TO 8.00PM |
| WEDNESDAY | 9-12-2020 | 6.00PM TO 8.00PM |
| THURSDAY | 10-12-2020 | 6.00PM TO 8.00PM |
| FRIDAY | 11-12-2020 | 6.00PM TO 8.00PM |
| SATURDAY | 12-12-2020 | 11.00AM TO 1.00 PM AND 2.00PM TO 4.00PM |
| MONDAY | 14-12-2020 | 6.00PM TO 8.00PM |
| TUESDAY | 15-12-2020 | 6.00PM TO 8.00PM |
| WEDNESDAY | 16-12-2020 | 6.00PM TO 8.00PM |
| THURSDAY | 17-12-2020 | 6.00PM TO 8.00PM |
| FRIDAY | 18-12-2020 | 6.00PM TO 8.00PM |
| SATURDAY | 19-12-2020 | 11.00AM TO 1.00 PM AND 2.00PM TO 4.00PM |
| MONDAY | 21-12-2020 | 6.00PM TO 8.00PM |
| TUESDAY | 22-12-2020 | 6.00PM TO 8.00PM |
| WEDNESDAY | 23-12-2020 | 6.00PM TO 8.00PM |
| THURSDAY | 24-12-2020 | 6.00PM TO 8.00PM |

HOD,EEE

PROF & HOD

Department of Electrical & Electronics Engineering
Sapthagiri College of Engineering
560057

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Department of Electrical & Electronics Engineering

Students Interested to attend in Sec A

| sl no | Timestamp | Name | USN | Are You Interested | Do you have LAPTOP/DESKTOP with 4GB RAM,32/64 bit-Processor | Do you have Internet Connectivity |
|-------|--------------------|---------------------|------------|--------------------|---|-----------------------------------|
| 1 | 12-1-2020 15:59:26 | Akash gali | lsg17ee003 | Yes | yes | Yes |
| 2 | 12-1-2020 18:25:45 | Naveen G B | lsg18ee408 | Yes | No | Yes |
| 3 | 12-1-2020 18:40:04 | DILIP R | ISG17EE022 | Yes | yes | Yes |
| 4 | 12-1-2020 15:59:27 | Harish T | lsg17ee025 | Yes | Yes | Yes |
| 5 | 12-1-2020 16:00:03 | Ajay S Pai | ISG17EE002 | Yes | Yes | Yes |
| 6 | 12-1-2020 16:01:05 | KIRANKUMAR | ISG16EE045 | Yes | Yes | Yes |
| 7 | 12-1-2020 16:03:52 | Dasharath R | ISG17EE020 | Yes | Yes | Yes |
| 8 | 12-1-2020 16:10:22 | Meghana B | ISG17EE042 | Yes | Yes | Yes |
| 9 | 12-1-2020 16:10:32 | Divyalakshmi P | ISG17EE023 | Yes | Yes | Yes |
| 10 | 12-1-2020 16:19:23 | Chaitanya D.R | ISG17EE014 | Yes | Yes | Yes |
| 11 | 12-1-2020 16:45:58 | Manoj c | lsg18ee406 | Yes | Yes | Yes |
| 12 | 12-1-2020 17:22:20 | Krithi Biddappa K | ISG17EE034 | Yes | Yes | Yes |
| 13 | 12-1-2020 19:27:08 | Akshata Aski | ISG17EE004 | Yes | Yes | Yes |
| 14 | 12-1-2020 19:40:36 | Sindhu S | lsg16ee092 | Yes | Yes | Yes |
| 15 | 12-1-2020 19:43:42 | Arasu kumari M S | ISG17EE008 | Yes | Yes | Yes |
| 16 | 12-1-2020 20:05:19 | Kousalya D | ISG17EE033 | Yes | Yes | No |
| 17 | 12-1-2020 20:34:37 | Akshata Shenoy K | ISG17EE005 | Yes | Yes | Yes |
| 18 | 12-1-2020 22:16:39 | Akshatha B Kulkarni | ISG17EE006 | Yes | Yes | Yes |
| 19 | 12-1-2020 22:32:36 | Archana D | lsg17ee009 | Yes | Yes | Yes |
| 20 | 12-2-2020 9:54:50 | Likitha N | ISG17EE036 | Yes | Yes | Yes |
| 21 | 12-2-2020 11:43:46 | Anu H N | lsg17ee007 | Yes | Yes | Yes |
| 22 | 12-2-2020 12:05:01 | BHOOMIKA M C | ISG17EE011 | Yes | Yes | Yes |
| 23 | 12-2-2020 12:05:31 | Chandana N | lsg17ee018 | Yes | Yes | Yes |
| 24 | 12-2-2020 12:08:37 | chaithra.N | lsg17ee015 | Yes | Yes | No |

Principal

Sapthagiri College of Engineering
Chikkasandra, Hasaraghatta Road,
Bangalore-560 057

| | | | | | | |
|----|--------------------|-----------------|------------|-----|-----|-----|
| 25 | 12-2-2020 14:57:35 | Mandara CK | ISG17EE040 | Yes | Yes | Yes |
| 26 | 12-2-2020 14:58:52 | Architha N Bhat | ISG17EE010 | Yes | Yes | Yes |
| 27 | 12-2-2020 15:00:35 | Girish v | lsg15ee033 | Yes | Yes | Yes |
| 28 | 12-2-2020 15:01:08 | Manjeet Kumar | ISG17EE041 | Yes | Yes | Yes |
| 29 | 12-2-2020 15:03:05 | Guruprasad G | ISG17EE024 | Yes | Yes | Yes |
| 30 | 12-2-2020 16:00:01 | Byresh H | lsg17ee013 | Yes | Yes | Yes |
| 31 | 12-1-2020 16:10:22 | Meghana B | ISG17EE042 | Yes | Yes | Yes |
| 32 | 12-2-2020 16:01:08 | Meghana R | ISG17EE043 | Yes | Yes | Yes |
| 33 | 12-2-2020 16:16:41 | Manasa R | ISG17EE039 | Yes | Yes | Yes |
| 34 | 12-2-2020 16:27:47 | Nagashree T | lsg17ee046 | Yes | Yes | Yes |
| 35 | 12-2-2020 17:11:09 | Bindhushree S | ISG17EE012 | Yes | Yes | Yes |
| 36 | 12-2-2020 17:13:14 | Monisha C | ISG17EE045 | Yes | Yes | Yes |
| 37 | 12-2-2020 18:38:09 | CHANDAN R | ISG17EE017 | Yes | Yes | Yes |

Students Not Interested to attend

| | | | | | | |
|----|--------------------|-----------------|------------|----|-----|-----|
| 1 | 12-1-2020 16:21:49 | Jashwanth GM | ISG17EE027 | No | No | No |
| 2 | 12-1-2020 21:47:48 | Anilkumar | ISG16EE406 | No | No | Yes |
| 3 | 12-2-2020 15:03:01 | Chethan R | ISG17EE019 | No | No | No |
| 4 | 12-2-2020 15:09:20 | Jennifer.C | ISG17EE028 | No | No | No |
| 5 | 12-2-2020 15:33:12 | Mahadev M | ISG17EE038 | No | No | Yes |
| 6 | 12-2-2020 16:41:38 | Kavyashree. G | lsg17ee031 | No | No | Yes |
| 7 | 12-2-2020 21:07:57 | Aakash N. M. | ISG16EE002 | No | No | No |
| 8 | 12-2-2020 15:03:08 | Chandan kumar r | lsg17ee016 | No | Yes | Yes |
| 9 | 12-2-2020 15:33:11 | Jnanamurthy R | ISG17EE029 | No | Yes | Yes |
| 10 | 12-2-2020 15:37:28 | Santosh S G | ISG16EE082 | No | Yes | Yes |



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Department of Electrical & Electronics Engineering

Students Interested to attend in Sec B

| Sl No. | Timestamp | Name | USN | Are You Interested | Do you have LAPTOP/DESKTOP with 4GB RAM,32/64 bit-Processor | Do you have Internet Connectivity |
|--------|--------------------|-----------------|------------|--------------------|---|-----------------------------------|
| 1 | 12-1-2020 16:00:01 | Nishitha R | 1SG17EE052 | Yes | yes | Yes |
| 2 | 12-1-2020 16:01:37 | Pooja K | 1SG17EE054 | Yes | yes | Yes |
| 3 | 12-1-2020 16:42:50 | Sudeep R | 1SG18EE417 | Yes | yes | Yes |
| 4 | 12-2-2020 13:56:44 | Yogesh s | 1sg18ee418 | Yes | No | No |
| 5 | 12-2-2020 14:59:11 | THANUJA. N | 1SG17EE081 | Yes | No | No |
| 6 | 12-2-2020 16:34:08 | Nandu p r | 1sg17ee047 | Yes | No | Yes |
| 7 | 12-1-2020 15:59:58 | Ranjitha B R | 1SG17EE066 | Yes | Yes | Yes |
| 8 | 12-1-2020 15:56:39 | Vishruth BR | 1SG17EE089 | Yes | Yes | Yes |
| 9 | 12-1-2020 15:56:48 | Rakshith. S | 1sg17ee062 | Yes | Yes | Yes |
| 10 | 12-1-2020 15:56:52 | Mohankumar B | 1sg17ee412 | Yes | Yes | Yes |
| 11 | 12-1-2020 16:02:20 | Pruthvi S | 1SG17EE059 | Yes | Yes | Yes |
| 12 | 12-1-2020 16:25:46 | Niranjan B A | 1SG17EE051 | Yes | Yes | Yes |
| 13 | 12-1-2020 16:32:19 | Subramanya MV | 1SG17EE078 | Yes | Yes | Yes |
| 14 | 12-1-2020 16:46:56 | SHILPA S | 1SG17EE072 | Yes | Yes | Yes |
| 15 | 12-1-2020 17:05:10 | Naveen Kumar Hs | 1SG18EE409 | Yes | Yes | Yes |
| 16 | 12-1-2020 17:14:22 | Raghuveer B J | 1SG17EE061 | Yes | Yes | No |
| 17 | 12-1-2020 17:18:58 | Vijaylakshmi G | 1SG17EE086 | Yes | Yes | Yes |
| 18 | 12-1-2020 18:14:55 | Vinodamovinoda@ | 1SG17EE088 | Yes | Yes | Yes |
| 19 | 12-1-2020 19:38:16 | Swathi C | 1SG17EE079 | Yes | Yes | Yes |
| 20 | 12-1-2020 19:39:50 | Neha S | 1SG17EE048 | Yes | Yes | Yes |
| 21 | 12-1-2020 19:41:56 | Rakshitha M | 1SG17EE064 | Yes | Yes | Yes |
| 22 | 12-1-2020 19:42:13 | Yashaswini S | 1SG17EE092 | Yes | Yes | Yes |

B

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Bangalore-560 057

| | | | | | | |
|----|--------------------|---------------|------------|-----|-----|-----|
| 23 | 12-1-2020 19:44:55 | Shani Pradeep | 1sg17ee070 | Yes | Yes | Yes |
| 24 | 12-1-2020 19:57:29 | Yeshwanth S | 1SG17EE093 | Yes | Yes | Yes |
| 25 | 12-1-2020 20:12:52 | Mohan raj | 1SG17EE044 | Yes | Yes | Yes |
| 26 | 12-1-2020 20:29:08 | Vidya Inamdar | 1SG17EE085 | Yes | Yes | Yes |
| 27 | 12-1-2020 20:37:48 | Shantnu Yadav | 1SG17EE071 | Yes | Yes | Yes |
| 28 | 12-1-2020 20:48:46 | PREKSHA S | 1SG17EE058 | Yes | Yes | Yes |
| 29 | 12-1-2020 21:15:34 | Sahana Gr | 1SG17EE068 | Yes | Yes | Yes |
| 30 | 12-1-2020 22:31:24 | PRASHANTH Y L | 1SG17EE057 | Yes | Yes | Yes |
| 31 | 12-2-2020 9:50:50 | CHANDRASHEKA | 1SG17EE403 | Yes | Yes | Yes |
| 32 | 12-2-2020 9:51:42 | Mohan Raj L | 1sg17ee410 | Yes | Yes | Yes |
| 33 | 12-2-2020 9:52:00 | Nikil N | 1SG17EE415 | Yes | Yes | No |
| 34 | 12-2-2020 10:07:53 | VIKAS L | 1SG17EE087 | Yes | Yes | Yes |
| 35 | 12-2-2020 14:22:35 | RAKSHITHA GM | 1SG17EE063 | Yes | Yes | Yes |
| 36 | 12-2-2020 14:59:29 | Neha.T.R | 1sg17ee049 | Yes | Yes | Yes |
| 37 | 12-2-2020 15:14:07 | TEJU M K | 1SG17EE080 | Yes | Yes | Yes |
| 38 | 12-2-2020 15:17:32 | Sinchana R | 1SG17EE075 | Yes | Yes | Yes |
| 39 | 12-2-2020 15:20:16 | Ramya PVS | 1SG17EE065 | Yes | Yes | Yes |
| 40 | 12-2-2020 15:30:19 | Spoorthy D K | 1SG17EE076 | Yes | Yes | No |
| 41 | 12-2-2020 15:55:13 | UDAY J | 1SG17EE083 | Yes | Yes | Yes |
| 42 | 12-2-2020 17:58:40 | Yashas P | 1SG17EE425 | Yes | Yes | Yes |
| 43 | 12-2-2020 19:01:35 | Srinivasa R | 1SG17EE077 | Yes | Yes | No |
| 44 | 12-2-2020 21:49:34 | Poorvika R | 1SG17EE055 | Yes | Yes | Yes |

Students Not Interested to attend

| | | | | | | |
|---|--------------------|-----------------|------------|----|-----|-----|
| 1 | 12-1-2020 16:02:39 | Waseem pasha M | 1SG17EE091 | No | No | No |
| 2 | 12-1-2020 16:08:27 | Nitin K Pujar | 1sg17ee053 | No | No | No |
| 3 | 12-2-2020 14:58:12 | NIKELESH N | 1SG18EE410 | No | No | Yes |
| 4 | 12-2-2020 16:07:09 | Siddaiah D C | 1SG18EE416 | No | No | No |
| 5 | 12-2-2020 17:10:55 | R.Lokesh | 1SG17EE060 | No | No | Yes |
| 6 | 12-1-2020 18:18:34 | Varsha Kumari | 1SG17EE084 | No | Yes | Yes |
| 7 | 12-2-2020 7:52:11 | Vishwas Shabadi | 1SG17EE090 | No | Yes | Yes |
| 8 | 12-2-2020 14:58:04 | Prajwal S | 1SG17EE056 | No | Yes | Yes |



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Department of Electrical & Electronics Engineering

REGISTRATION FORM RESPONSE FOR ADD ON COURSE ON PYTHON AND ITS APPLICATIONS TO SIGNALS

| Sl.No. | Timestamp | NAME OF THE STUDENT | USN | SEM. | Sec. | Mobile No. | E-mail ID |
|--------|--------------------|---------------------|------------|----------|------|------------|-------------------------------|
| 1 | 12-6-2020 21:29:25 | Girish v | 1SG15EE033 | 7th Sem. | A | 7204548929 | girichalappa@gmail.com |
| 2 | 12-6-2020 17:20:00 | KIRANKUMAR | 1SG16EE045 | 7th Sem. | A | 9611159507 | kirankiru8668@gmail.com |
| 3 | 12-6-2020 17:44:19 | Sindhu S | 1SG16EE092 | 7th Sem. | A | 7337614084 | Sindhus1131998@gmail.com |
| 4 | 12-6-2020 17:44:16 | Aishwarya Gupta | 1SG17EE001 | 7th Sem. | A | 9741338716 | aishwaryagupta565@gmail.com |
| 5 | 12-6-2020 17:24:33 | Ajay S Pai | 1SG17EE002 | 7th Sem. | A | 8050850376 | ajay.s.pai2@gmail.com |
| 6 | 12-6-2020 17:32:23 | Akshata Ask | 1SG17EE004 | 7th Sem. | A | 9113881906 | akshataaski44@gmail.com |
| 7 | 12-6-2020 17:19:31 | Akshata Shenoy K | 1SG17EE005 | 7th Sem. | A | 9901750897 | akshatashenoyk@gmail.com |
| 8 | 12-6-2020 17:26:02 | Akshatha B Kulkarni | 1SG17EE006 | 7th Sem. | A | 9886776718 | bvkakshata@gmail.com |
| 9 | 12-6-2020 17:29:06 | Arasu kumari M S | 1SG17EE008 | 7th Sem. | A | 8880822878 | bhoomiarasu2000@gmail.com |
| 10 | 12-6-2020 20:18:39 | Archana D | 1SG17EE009 | 7th Sem. | A | 9591903054 | archana6104@gmail.com |
| 11 | 12-6-2020 20:52:39 | Architha N Bhat | 1SG17EE010 | 7th Sem. | A | 7619307609 | architha19@gmail.com |
| 12 | 12-6-2020 17:31:05 | BHOOMIKA M C | 1SG17EE011 | 7th Sem. | A | 7259961179 | bhoomi12031999@gmail.com |
| 13 | 12-6-2020 18:16:25 | Bindhushree S | 1SG17EE012 | 7th Sem. | A | 9632713178 | Sampreethi125@gmail.com |
| 14 | 12-6-2020 20:44:56 | Byresh H | 1SG17EE013 | 7th Sem. | A | 7795639523 | byresh9090@gmail.com |
| 15 | 12-6-2020 17:21:08 | Chaitanya D.R | 1SG17EE014 | 7th Sem. | A | 8884204225 | chaichaitanyachaitu@gmail.com |
| 16 | 12-6-2020 17:37:05 | chaithra.N | 1SG17EE015 | 7th Sem. | A | 7019119092 | chaithra.06n@gmail.com |
| 17 | 12-6-2020 20:47:21 | CHANDAN R | 1SG17EE017 | 7th Sem. | A | 8310469433 | chandanramesh1999@gmail.com |
| 18 | 12-7-2020 7:11:07 | Chandana N | 1SG17EE018 | 7th Sem. | A | 6364033270 | changowda07@gmail.com |
| 19 | 12-6-2020 17:19:47 | Dasharath R | 1SG17EE020 | 7th Sem. | A | 8073619734 | ultradasharath@gmail.com |
| 20 | 12-6-2020 21:12:14 | DILIP R | 1SG17EE022 | 7th Sem. | A | 8553891963 | adr161299@gmail.com |
| 21 | 12-6-2020 18:00:22 | Divyalakshmi P | 1SG17EE023 | 7th Sem. | A | 6360809177 | Divyaprasad1703@gmail.com |
| 22 | 12-6-2020 17:34:37 | Guruprasad G | 1SG17EE024 | 7th Sem. | A | 9743777420 | guruprasadgonalgk23@gmail.com |
| 23 | 12-6-2020 17:31:35 | Harish T | 1SG17EE025 | 7th Sem. | A | 6363189992 | harishhari26111999@gmail.com |
| 24 | 12-6-2020 17:30:41 | Kousalya D | 1SG17EE033 | 7th Sem. | A | 9008357373 | kousalyadevendran99@gmail.com |

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| | | | | | | | |
|----|--------------------|-------------------|------------|----------|---|------------|---------------------------------|
| 25 | 12-6-2020 17:27:08 | Krithi Biddappa K | 1SG17EE034 | 7th Sem. | A | 7338247518 | krithibiddappa1999@gmail.com |
| 26 | 12-6-2020 17:48:45 | Likitha N | 1SG17EE036 | 7th Sem. | A | 9740102201 | likithan2202@gmail.com |
| 27 | 12-6-2020 18:13:10 | Manasa R | 1SG17EE039 | 7th Sem. | A | 7795321118 | manasarajanna07@gmail.com |
| 28 | 12-6-2020 17:18:05 | Mandara CK | 1SG17EE040 | 7th Sem. | A | 9535748840 | mandara.ck@gmail.com |
| 29 | 12-6-2020 19:27:51 | Manjeet Kumar | 1SG17EE041 | 7th Sem. | A | 9206189981 | manjeetsingh954@gmail.com |
| 30 | 12-6-2020 17:21:38 | Meghana B | 1SG17EE042 | 7th Sem. | A | 8553549767 | meghanab05@gmail.com |
| 31 | 12-6-2020 21:14:20 | Mohan raj | 1SG17EE044 | 7th Sem. | A | 7892484077 | mohanjazzraj@gmail.com |
| 32 | 12-6-2020 17:53:10 | Meghana R | 1SG17EE045 | 7th Sem. | A | 8618589135 | mmeghana589@gmail.com |
| 33 | 12-6-2020 19:43:19 | Monisha C | 1SG17EE045 | 7th Sem. | A | 8971463137 | monishac137@gmail.com |
| 34 | 12-6-2020 23:08:12 | Nagashree T | 1SG17EE046 | 7th Sem. | A | 8722221052 | nagashreet13@gmail.com |
| 35 | 12-6-2020 21:57:10 | Nandu p r | 1SG17EE047 | 7th Sem. | B | 9880553406 | nandupr1999@gmail.com |
| 36 | 12-6-2020 17:28:29 | Neha S | 1SG17EE048 | 7th Sem. | B | 9535933254 | nehashivaram.99@gmail.com |
| 37 | 12-6-2020 21:27:16 | Neha.T.R | 1SG17EE049 | 7th Sem. | B | 9731221212 | trneha1999@gmail.com |
| 38 | 12-6-2020 18:04:14 | Niranjana B A | 1SG17EE051 | 7th Sem. | B | 7813899016 | niranjangowda821@gmail.com |
| 39 | 12-6-2020 20:56:53 | Nishitha R | 1SG17EE052 | 7th Sem. | B | 8951285248 | nishitharaj1011@gmail.com |
| 40 | 12-6-2020 17:50:38 | Pooja K | 1SG17EE054 | 7th Sem. | B | 9845011825 | poojakumarpooh17@gmail.com |
| 41 | 12-6-2020 18:24:23 | Poorvika R | 1SG17EE055 | 7th Sem. | B | 9113977803 | poorvikagowdar@gmail.com |
| 42 | 12-6-2020 17:42:11 | PRASHANTH Y L | 1SG17EE057 | 7th Sem. | B | 8861023346 | prashanthyl035@gmail.com |
| 43 | 12-6-2020 21:10:29 | PREKSHA S | 1SG17EE058 | 7th Sem. | B | 9901009046 | prekshasyadav9830@gmail.com |
| 44 | 12-6-2020 17:22:09 | Pruthvi S | 1SG17EE059 | 7th Sem. | B | 7619342712 | pruthvisgowda1999@gmail.com |
| 45 | 12-6-2020 18:00:31 | Raghuveer B J | 1SG17EE061 | 7th Sem. | B | 9591864929 | raghuveer2578@gmail.com |
| 46 | 12-6-2020 21:36:52 | Rakshith. S | 1SG17EE062 | 7th Sem. | B | 8310948958 | rakshiths582@gmail.com |
| 47 | 12-6-2020 17:17:52 | Rakshitha M | 1SG17EE064 | 7th Sem. | B | 8050374535 | rakshitha.m349@gmail.com |
| 48 | 12-7-2020 15:49:48 | Ramya PVS | 1SG17EE065 | 7th Sem. | B | 7996508502 | ramyapvs111@gmail.com |
| 49 | 12-6-2020 17:36:01 | Ranjitha B R | 1SG17EE066 | 7th Sem. | B | 9900279027 | ranjitha211999@gmail.com |
| 50 | 12-7-2020 0:40:07 | Sahana Gr | 1SG17EE068 | 7th Sem. | B | 9901085925 | sahanatejaswini2512@gmail.com |
| 51 | 12-6-2020 18:50:18 | Shani Pradeep | 1SG17EE070 | 7th Sem. | B | 9066397889 | shanipradeep66@gmail.com |
| 52 | 12-6-2020 17:19:18 | Shantnu Yadav | 1SG17EE071 | 7th Sem. | B | 7781810671 | shantnu7270yadav@gmail.com |
| 53 | 12-6-2020 18:17:20 | SHILPA S | 1SG17EE072 | 7th Sem. | B | 8618061426 | s.shilpadefence1999@gmail.com |
| 54 | 12-6-2020 22:13:55 | Sinchana R | 1SG17EE075 | 7th Sem. | B | 9141161055 | sinchanaratna55@gmail.com |
| 55 | 12-7-2020 18:19:20 | Srinivasa R | 1SG17EE077 | 7th Sem. | A | 9843426641 | Srinivasashetty1299@gmail.com |
| 56 | 12-6-2020 20:37:33 | Subramanya MV | 1SG17EE078 | 7th Sem. | B | 8494839206 | mvsbramanyaa31@aol.com |
| 57 | 12-6-2020 18:19:38 | Swathi C | 1SG17EE079 | 7th Sem. | B | 8317468838 | swathi951753@gmail.com |
| 58 | 12-9-2020 17:08:11 | THANUJA. N | 1SG17EE081 | 7th Sem. | B | 9113084612 | thanujamsn@gmail.com |
| 59 | 12-7-2020 8:37:18 | UDAY J | 1SG17EE083 | 7th Sem. | B | 9535004157 | udayjgowda7@gmail.com |
| 60 | 12-6-2020 17:36:29 | Vidya Inamdar | 1SG17EE085 | 7th Sem. | B | 7349561822 | vidyainamdar1999@gmail.com |
| 61 | 12-6-2020 20:47:53 | Vijaylakshmi G | 1SG17EE086 | 7th Sem. | B | 7022498529 | vijaylakshmigsonna991@gmail.com |
| 62 | 12-6-2020 17:21:52 | VIKAS L | 1SG17EE087 | 7th Sem. | B | 7348802449 | vikasgowa@gmail.com |

| | | | | | | | |
|----|--------------------|-----------------|------------|----------|---|------------|------------------------------|
| 63 | 12-6-2020 17:16:46 | Vishruth BR | 1SG17EE089 | 7th Sem. | B | 7406657090 | vishruthbr13@gmail.com |
| 64 | 12-6-2020 19:06:49 | Yashaswini S | 1SG17EE092 | 7th Sem. | B | 8884770622 | yashucta0@gmail.com |
| 65 | 12-6-2020 21:41:31 | Yeshwanth S | 1SG17EE093 | 7th Sem. | B | 9880460321 | yeshwanthshankar27@gmail.com |
| 66 | 12-6-2020 17:19:28 | Mohan Raj L | 1SG17EE410 | 7th Sem. | B | 7019586949 | mohanrj014@gmail.com |
| 67 | 12-6-2020 17:23:28 | Mohankumar B | 1SG17EE412 | 7th Sem. | B | 8150895090 | mohan223b@gmail.com |
| 68 | 12-6-2020 23:03:07 | Yashas P | 1SG17EE425 | 7th Sem. | B | 8660072243 | yashas098@gmail.com |
| 69 | 12-6-2020 20:36:32 | Manoj c | 1SG18EE406 | 7th Sem. | A | 7899444974 | manojgowda1357@gmail.com |
| 70 | 12-7-2020 7:44:22 | Naveen G B | 1SG18EE408 | 7th Sem. | A | 8746884385 | naveengb321@gmail.com |
| 71 | 12-6-2020 17:51:17 | Naveen Kumar Hs | 1SG18EE409 | 7th Sem. | B | 9741388976 | naveenkumarhs95@gmail.com |
| 72 | 12-6-2020 17:23:48 | Sudeep R | 1SG18EE417 | 7th Sem. | B | 9986617521 | sudeepr867@gmail.com |


HOD

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Department of Electrical & Electronics Engineering
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Bangalore - 560057


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Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Certification Program on
"Python and its application to Signals and Systems"
Attendance

Academic Year: 2020-21(ODD)

| Sl No. | USN | Student Name | 7/12 | 8/12 | 9/12 | 10/12 | 11/12 | 12/12 | | 14/12 | 15/12 | 16/12 | 17/12 | 18/12 | 19/12 | | 21/12 | 22/12 | 23/12 | 24/12 |
|--------|------------|---------------------|------|------|------|-------|-------|-------|---|-------|-------|-------|-------|-------|-------|----|-------|-------|-------|-------|
| | | | | | | | | M | A | | | | | | M | A | | | | |
| 1. | ISG15EE033 | Girish V | 1 | 2 | 3 | 4 | 5 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 2. | ISG16EE045 | Kirankumar | 1 | 2 | 3 | 4 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 3. | ISG16EE092 | Sindhu S | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 4. | ISG17EE001 | Aishwarya Gupta | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 5. | ISG17EE002 | Ajay S Pai | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 6. | ISG17EE004 | Akshata Aski | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 7. | ISG17EE005 | Akshata Shenoy K | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 8. | ISG17EE006 | Akshatha B Kulkarni | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 9. | ISG17EE008 | Arasu Kumari M S | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 10. | ISG17EE009 | Archana D | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 11. | ISG17EE010 | Architha N Bhat | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 12. | ISG17EE011 | Bhoomika M C | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 13. | ISG17EE012 | Bindhushree S | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 14. | ISG17EE013 | Byresh H | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 15. | ISG17EE014 | Chaitanya D.R | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 16. | ISG17EE015 | Chaithra.N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 17. | ISG17EE017 | Chandan R | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 18. | ISG17EE018 | Chandana N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19. | ISG17EE020 | Dasharath R | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 20. | ISG17EE022 | Dilip R | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 21. | ISG17EE023 | Divyalakshmi P | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 22. | ISG17EE024 | Guruprasad G | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 23. | ISG17EE025 | Harish T | 1 | 2 | 3 | 4 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 24. | ISG17EE033 | Kousalya D | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 25. | ISG17EE034 | Krithi Biddappa K | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 26. | ISG17EE036 | Likitha N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 27. | ISG17EE039 | Manasa R | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |

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| | | | | | | | | | | | | | | | | | | | | |
|----|------------|----------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|
| 28 | ISG17EE040 | Mandara CK | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 29 | ISG17EE041 | Manjeet Kumar | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 30 | ISG17EE042 | Meghana B | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 31 | ISG17EE044 | Mohan Raj | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 32 | ISG17EE045 | Meghana R | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 33 | ISG17EE045 | Monisha C | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 34 | ISG17EE046 | Nagashree T | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 35 | ISG17EE047 | Nandu P R | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 36 | ISG17EE048 | Neha S | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 37 | ISG17EE049 | Neha.T.R | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 38 | ISG17EE051 | Niranjan B A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 39 | ISG17EE052 | Nishitha R | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 40 | ISG17EE054 | Pooja K | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 41 | ISG17EE055 | Poorvika R | 1 | 2 | 3 | 4 | 5 | 5 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 42 | ISG17EE057 | Prashanth Y L | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 43 | ISG17EE058 | Preksha S | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 44 | ISG17EE059 | Pruthvi S | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 45 | ISG17EE061 | Raghuveer B J | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 46 | ISG17EE062 | Rakshith. S | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 47 | ISG17EE064 | Rakshitha M | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 48 | ISG17EE065 | Ramya PVS | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 49 | ISG17EE066 | Ranjitha B R | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 50 | ISG17EE068 | Sahana Gr | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 51 | ISG17EE070 | Shani Pradeep | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 52 | ISG17EE071 | Shantnu Yadav | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 53 | ISG17EE072 | Shilpa S | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 54 | ISG17EE075 | Sinchana R | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 55 | ISG17EE077 | Srinivasa R | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 56 | ISG17EE078 | Subramanya MV | 0 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 57 | ISG17EE079 | Swathi C | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 58 | ISG17EE081 | Thanuja. N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 59 | ISG17EE083 | Uday J | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 60 | ISG17EE085 | Vidya Inamdar | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 61 | ISG17EE086 | Vijaylakshmi G | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |

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| | | | | | | | | | | | | | | | | | | | | |
|--------------------------|------------|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 62 | ISG17EE087 | Vikas L | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 63 | ISG17EE089 | Vishruth BR | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 64 | ISG17EE092 | Yashaswini S | 1 | 2 | 3 | 4 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 65 | ISG17EE093 | Yeshwanth S | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 66 | ISG17EE410 | Mohan Raj L | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 67 | ISG17EE412 | Mohankumar B | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 68 | ISG17EE425 | Yashas P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 69 | ISG18EE406 | Manoj C | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 70 | ISG18EE408 | Naveen G B | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 71 | ISG18EE409 | Naveen Kumar Hs | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 72 | ISG18EE417 | Sudeep R | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| Signature of Coordinator | | | (NP) | (NP) | (NP) | (NP) | (NP) | (NP) | (NP) | (NP) | (NP) | (NP) | (NP) | (NP) | (NP) | (NP) | (NP) | (NP) | (NP) | (NP) |


HOD

PROF & HOD
Department of Electrical & Electronics Engineering
Sapthagiri College of Engineering
Bangalore - 560057


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Bangalore-560 057

QUIZ-1

1. Which of the following is the correct way to create an array in Numpy?
 (1,2,3,4)
 [1,2,3,4]
 np.array((1,2,3,4))
np.array([1,2,3,4])
2. The output of the following code is:
 A=np.array(100)
 [100]
 (100)
 array(100)
None of the above
3. Output of np.array([[[[10,20,30]],[[40,50,60]]]]) is:
 1. [[10,20,30],
 [40,50,60]]
 2. [[[10,20,30],
 [40,50,60]]]
 3. [[10,40
 20,50
 30,60]]
 4. [[[10,20,30]],
 [[40,50,60]]]
**2. [[[10,20,30],
 [40,50,60]]]**
4. Command to create a 3X3 array of zeros is:
 1. np.zeros(3,3)
 2. np.zeros(3X3)
 3. np.zeros((3,4))
 4. np.zeros((3),(3))
1. np.zeros(3,3)
5. How to create an array of dimension 3X4 with all elements 8?
 1. np.full((3,4),8)
 2. np.full(3,4,8)
 3. np.full(8,(3,4))
 4. np.full(8,3,4)
1. np.full((3,4),8)
6. What is the difference between a.size and a.shape?
 1. a.size gives the dimension of a and a.shape gives the number of elements in a.
 2. a.size gives the number of elements in a and a.shape gives the dimension of a.
 3. a.size and a.shape both gives the dimension of a.
 4. a.size and a.shape both gives the number of elements in a.
2. a.size gives the number of elements in a and a.shape gives the dimension of a.
7. A=[1,2,3,4,5,6,7,8], to arrange A as a 4X2 array:
 1. A.reshape(4,2)
 2. reshape.A(4,2)
 3. A.reshape(4:2)
 4. reshape.A(4:2)
1. A.reshape(4,2)
8. The difference between view and copy is:
 1. copy: Changes made in the original array will not affect the copied array.
 view: Changes made in the original array will affect the other array.
 2. view: Changes made in the original array will not affect the copied array.
 copy: Changes made in the original array will affect the other array.
 3. copy and view both are same. Any change made in one will affect the other.
**1. copy: Changes made in the original array will not affect the copied array.
 view: Changes made in the original array will affect the other array.**

9. Given the array $x=[1,2,3,4,5]$. What is the output of `np.append(x,0)`
1. $[0,1,2,3,4,5]$
 2. $[1,2,3,4,5,0]$
 3. $[1,2,3,0,4,5]$
 4. $[1,2,3,4,0,5]$
10. In the array of the above question what is the output of `np.insert(x,3,6)`
1. $[1,2,6,3,4,5]$
 2. $[6,1,2,3,4,5]$
 3. $[1,2,3,6,4,5]$
 4. $[1,2,3,4,5,6]$
11. $A=[1,2,3,4,5]$ what is the output of `np.delete(A,2)`?
1. $[1,2,3,5]$
 2. $[1,2,3,4]$
 3. $[2,3,4,5]$
 4. $[1,2,4,5]$
12. $A=[1,2,3]$ and $B=[4,5,6]$. To get the output as `array([1, 2, 3, 4, 5, 6])` the correct method is:
1. `np.concatenate(A,B)`
 2. `np.concatenate((A,B))`
 3. `np.concatenate(A,B,axis=0)`
 4. `np.concatenate((A,B),axis=0)`
13. $A=[1,2,3]$ and $B=[4,5,6]$. What is the output of $A+B$?
1. `array(5,7,9)`
 2. `(5,7,9)`
 3. `[5,7,9]`
 4. `5,7,9`
14. $A=[1,2,3]$ and $B=[4,5,6]$. What is the output of $A*B$?
1. `array(4,10,18)`
 2. `(4,10,18)`
 3. `[4,10,18]`
 4. `4,10,18`
15. $A=[1,2,3]$ and $B=[4,5,6]$. What is the output of A/B ?
1. $[1/4, 2/5, 3/6]$
 2. $[0.25, 0.4, 0.5]$
 3. $[0,0,0]$
 4. None of the above



Questions with Solutions

QUIZ-2

1. Which among the following is the method to use plotting features of Matplotlib module?

1. import matplotlib*
2. import matplotlib.pyplot
3. import matplotlib.pyplot as plt
4. import matplotlib.pyplot as plt

2. Which is a python package used for 2D graphics?

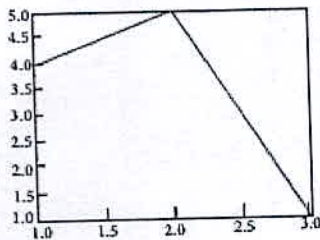
- A. ☐ matplotlib.pyplot
- B. ☐ matplotlib.pip
- C. ☐ matplotlib.numpy
- D. ☐ matplotlib.plt

Answer : Option A

Explanation / Solution:

No Explanation.

3. Observe the output figure. Identify the coding for obtaining this output.



A. ☐ `import matplotlib.pyplot as plt`
`plt.plot([1,2,3],[4,5,1])`
`plt.show()`

B. ☐ `import matplotlib.pyplot as plt`
`plt.plot([1,2],[4,5])`
`plt.show()`

C. ☐ `import matplotlib.pyplot as plt`
`plt.plot([2,3],[5,1])`
`plt.show()`

D. ☐ `import matplotlib.pyplot as plt`
`plt.plot([1,3],[4,1])`
`plt.show()`

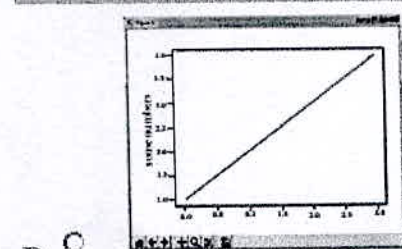
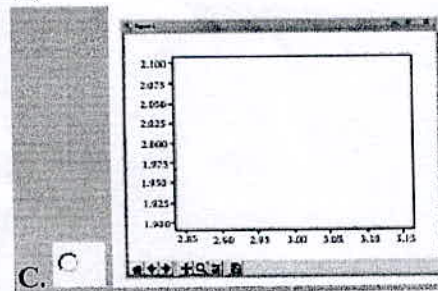
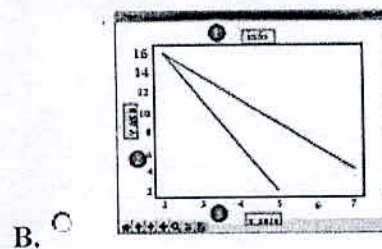
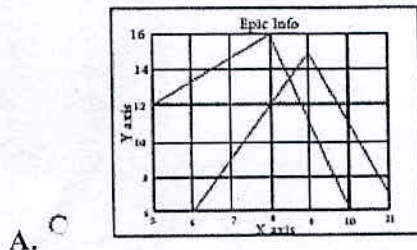
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Explanation / Solution:
No Explanation.

4. Read the code:

```
import matplotlib.pyplot as plt
%matplotlib notebook
plt.plot(3,2)
plt.show()
```

Identify the output for the above coding.



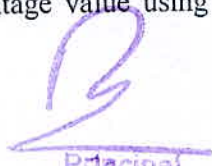
Answer : Option C
Explanation / Solution:
No Explanation.

5. Read the statements given below. Identify the right option from the following for pie chart.

Statement A: To make a pie chart with Matplotlib, we can use the plt.pie() function.

Statement B: The autopct parameter allows us to display the percentage value using the Python string formatting.

- A. ☐ Statement A is correct
B. ☐ Statement B is correct
C. ☐ Both the statements are correct


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D. Both the statements are wrong

Answer : Option C

Explanation / Solution:

No Explanation.

6. Point out the correct combination with regards to kind keyword for graph plotting.

- a) 'hist' for histogram
- b) 'box' for boxplot
- c) 'area' for area plots
- d) all of the mentioned

[View Answer](#)

Answer:

Explanation: The kind keyword argument of plot() accepts a handful of values for plots other than the default Line plot.

7. A. arr1 == arr2
B. np.array_equal(arr1, arr2)

In the above statements using numpy module tick the correct answer.

- 1. A compares the two arrays elementwise, B compares the two arrays as a whole
 - 2. B compares the two arrays elementwise; A compares the two arrays as a whole
 - 3. Both A and B compares the two arrays elementwise.
 - 4. Both A and B compares the two arrays as a whole.
8. array.sum(axis=0) gives ___ as output. Choose the correct answer to fill the gap from the choices below.
- 1. Sum of elements along the rows
 - 2. Sum of elements along the columns.
 - 3. Sum of all the elements in the array.
 - 4. None of the above.
9. Given an array Arr of dimension (3,4), which of the following gives columns 2nd and 3rd?
- 1. Arr[:, [1,2]]
 - 2. Arr[:, [2,3]]
 - 3. Arr[[1,2]]
 - 4. Arr[:, (1,2)]
10. Which is the output of the following code snippet?
- ```
array[slice(1,3)]
```
- 1. Rows 1,2 and 3
  - 2. Rows 1 and 2
  - 3. Columns 1,2 and 3
  - 4. Columns 1 and 2



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## Questions with Solutions

### QUIZ-3

- The correct code to get  $\sum_{x=0}^{100} \frac{1}{1+x}$  in sympy is:
  - `sum(1/(1+x), (x,0,100))`
  - `Sum(1/(1+x), (x,0,100))`
  - `Sum(1/(1+x), x,0,100)`
  - `sum(1/(1+x), x,0,100)`
- The correct code to get  $\prod_{y=1}^{10} (y + y^2)$  in symbolic form is:
  - `Product(y+y**2,(y,1,10))`
  - `product(y+y**2,(y,1,10))`
  - `Product(y+y**2,y,1,10)`
  - `product(y+y**2,y,1,10)`
- The evaluate  $\prod_{y=1}^{10} (y + y^2)$  the correct form of code is:
  - `evalf().Product(y+y**2,(y,1,10))`
  - `product(y+y**2,(y,1,10)).evalf()`
  - `Product(y+y**2,(y,1,10)).evalf()`
  - `product(y+y**2,y,1,10).evalf()`
- To get 15/5 in rational form the code is:
  - `rational(15,4)`
  - `Rational(15/4)`
  - `rational(15/4)`
  - `Rational(15,4)`
- To get type of the problem in question 5:
  - `rational(15,4).type()`
  - `type(Rational(15,4))`
  - `type(rational(15,4))`
  - `Rational(15,4).type()`
- Given  $q^2 + 4q + 3 = 0$  The correct code to get second order derivative in symbolic form is:
  - `Derivative(q**2+4*q+3,q,q)`
  - `derivative(q**2+4*q+3,q,q)`
  - `Derivative(q**2+4*q+3,(q,q))`
  - `derivative(q**2+4*q+3,(q,q))`
- The code to evaluate the derivative of  $q^2 + 4q + 3 = 0$  at  $q=2$  is:
  - `x= q2 + 4q + 3`  
`subs(q,2).x`
  - `x= q2 + 4q + 3`  
`x.sub(q,2)`
  - `x= q2 + 4q + 3`  
`x.subs(q,2)`
  - `x= q2 + 4q + 3`  
`subs(x,q,2)`
- Which of the following code snippet gives the solution for x and y in the equations:  $x + 3y = 1$  and  $4x - 3y = 2$ 
  - `solve([2*x+3*y-1,4*x-3*y-2],[x,y])`
  - `Solve([2*x+3*y-1,4*x-3*y-2],[x,y])`



**Questions:**

**Quiz-4**

1. What is the output of the following loop? for L in 'Jhon':  
if L == 'o': pass print(L)

1. J, h, n,
2. J, h, o, n, 3.J,h
- 4.o

2. Which one of the following if statements will not execute successfully?

1. if (1, 2):print('foo') 2.if (1, 2):  
print('foo')
- 3.if (1, 2):  
print('foo')
- 4.if (1, 2):  
print('foo')
5. if (1, 2):  
print('foo')

3. What will be the output of the following Python code?

```
i = 1
while True:
 if i%3 == 0:
 break
 print(i) i+= 1
```

1. 1 2
2. 1 2 3
3. error
4. None of the Above

4. What will be the output of the following Python code?

```
i = 1
while True:
 if i%3 == 0:
 break
 print(i)
 i + = 1
```

5. What will be the output of the following Python code?

```
i = 0
while i < 5: print(i)
 i += 1
 if i == 3: break
else:
 print(0)
```

1. 0 1 2 0
2. 0 1 2
3. Error
4. none of the mentioned

6. What will be the output of the following Python code?

```
x = "abcdef" while i
in x: print(i)
```







|                                          |               |                |                               |                |     |                       |     |     |           |                                                                                                                                                                                                                                   |
|------------------------------------------|---------------|----------------|-------------------------------|----------------|-----|-----------------------|-----|-----|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2020/12/2<br>4 7:47:45<br>PM<br>GMT+5:30 | Ajay S Pai    | 1SG17EE<br>002 | ajay.pai@yahoo.com            | As<br>Expected | YES | As Expected           | YES | YES | EXCELLENT | Overall it was a fantastic course. Could have taken 1 session to give insight abt how python is used in core companies/industries and what kind of real world problems do they take up (regarding research or application based). |
| 2020/12/2<br>4 7:52:42<br>PM<br>GMT+5:30 | Rakshitha M   | 1SG17EE<br>064 | rakshitha.m349@gmail.com      | As<br>Expected | YES | Tougher than expected | YES | YES | EXCELLENT | No                                                                                                                                                                                                                                |
| 2020/12/2<br>4 7:55:14<br>PM<br>GMT+5:30 | Chaitanya D.R | 1SG17EE<br>014 | chaichaitanyachaitu@gmail.com | As<br>Expected | YES | As Expected           | YES | YES | VERY GOOD | Wanted to learn still more about python application                                                                                                                                                                               |
| 2020/12/2<br>4 8:07:22<br>PM<br>GMT+5:30 | Spoorthy D K  | 1SG17EE<br>076 | spoorthydk16@gmail.com        | As<br>Expected | YES | As Expected           | YES | YES | VERY GOOD | No suggestions                                                                                                                                                                                                                    |

  
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|                                          |               |                |                                    |                             |     |                             |     |     |           |                                                                                                                |
|------------------------------------------|---------------|----------------|------------------------------------|-----------------------------|-----|-----------------------------|-----|-----|-----------|----------------------------------------------------------------------------------------------------------------|
| 2020/12/2<br>4 8:47:58<br>PM<br>GMT+5:30 | Pooja K       | 1SG17EE<br>054 | poojakumarpo<br>oh17@gmail.c<br>om | As<br>Expected              | YES | As Expected                 | YES | YES | EXCELLENT | Please conduct<br>many more add<br>on courses like<br>this. And also<br>looking for<br>internship<br>programs. |
| 2020/12/2<br>4 9:08:59<br>PM             | Dasharath R   | 1SG17EE<br>020 | ultradasharath<br>@gmail.com       | As<br>Expected              | YES | As Expected                 | YES | YES | VERY GOOD | Keep doing what<br>you do , amazing<br>classes                                                                 |
| 2020/12/2<br>4 9:18:25<br>PM<br>GMT+5:30 | Monisha C     | 1SG17EE<br>045 | monishac137<br>@gmail.com          | As<br>Expected              | YES | Easier than<br>expected     | YES | YES | VERY GOOD | No                                                                                                             |
| 2020/12/2<br>4 9:22:32<br>PM<br>GMT+5:30 | Shantnu Yadav | 1SG17EE<br>071 | shantnu7270y<br>adav@gmail.c<br>om | As<br>Expected              | YES | As Expected                 | YES | YES | VERY GOOD | Nope                                                                                                           |
| 2020/12/2<br>4 9:23:58<br>PM<br>GMT+5:30 | DILIP R       | 1SG17EE<br>022 | adr161299@g<br>mail.com            | Easier<br>than<br>expected  | YES | Easier than<br>expected     | YES | YES | EXCELLENT | Nothing... Very<br>thing was<br>helpful...                                                                     |
| 2020/12/2<br>4 9:24:18<br>PM<br>GMT+5:30 | Archana D     | 1SG17EE<br>009 | archana6104<br>@gmail.com          | Easier<br>than<br>expected  | YES | As Expected                 | YES | YES | EXCELLENT | No suggestions                                                                                                 |
| 2020/12/2<br>4 9:32:44<br>PM             | VIKAS L       | 1SG17EE<br>087 | vikasgowa@g<br>mail.com            | Tougher<br>than<br>expected | NO  | Tougher<br>than<br>expected | YES | YES | GOOD      | I have lack in<br>basics.. they<br>could have                                                                  |
| 2020/12/2<br>4 9:41:28<br>PM<br>GMT+5:30 | NANDU P I     | 1sg17ee<br>047 | nandupr1999<br>@gmail.com          | Tougher<br>than<br>expected | YES | Easier than<br>expected     | YES | YES | EXCELLENT | Nothing                                                                                                        |

|                                           |                      |                |                                      |                             |     |                             |     |     |           |                                                |
|-------------------------------------------|----------------------|----------------|--------------------------------------|-----------------------------|-----|-----------------------------|-----|-----|-----------|------------------------------------------------|
| 2020/12/2<br>4 9:49:24<br>PM<br>GMT+5:30  | Neha.T.R             | 1sg17ee<br>049 | trneha1999@<br>gmail.com             | Tougher<br>than<br>expected | YES | Tougher<br>than<br>expected | YES | YES | VERY GOOD | No                                             |
| 2020/12/2<br>4 10:08:28<br>PM<br>GMT+5:30 | Teju M K             | 1SG17EE<br>080 | tejuyogitha99<br>@gmail.com          | Tougher<br>than<br>expected | YES | Easier than<br>expected     | YES | YES | EXCELLENT | The concepts are<br>taught vey well            |
| 2020/12/2<br>4 10:39:49<br>PM<br>GMT+5:30 | Likitha N            | 1SG17EE<br>036 | likithan2202@<br>gmail.com           | As<br>Expected              | YES | Easier than<br>expected     | YES | YES | VERY GOOD | No                                             |
| 2020/12/2<br>4 11:15:36<br>PM<br>GMT+5:30 | Yashas P             | 1SG17EE<br>425 | yashas098@g<br>mail.com              | As<br>Expected              | YES | As Expected                 | YES | YES | EXCELLENT | No suggestions                                 |
| 2020/12/2<br>5 7:07:14                    | Vinoda M O           | 1SG17EE<br>088 | vinodamovino<br>da@gmail.co          | As<br>Expected              | YES | Easier than<br>expected     | YES | YES | EXCELLENT | Requested to<br>teach till more                |
| 2020/12/2<br>5 8:23:53<br>AM<br>GMT+5:30  | UDAY J               | 1SG17EE<br>083 | udayjgowda7<br>@gmail.com            | As<br>Expected              | YES | As Expected                 | YES | YES | EXCELLENT | None                                           |
| 2020/12/2<br>5 9:54:21<br>AM<br>GMT+5:30  | Krithi Biddappa<br>K | 1SG17EE<br>034 | krithibiddappa<br>1999@gmail.c<br>om | Tougher<br>than<br>expected | YES | As Expected                 | YES | YES | GOOD      | None                                           |
| 2020/12/2<br>5 10:10:40<br>AM<br>GMT+5:30 | SWATHI C             | 1SG17EE<br>079 | swathi951753<br>@gmail.com           | As<br>Expected              | YES | As Expected                 | YES | YES | EXCELLENT | It was very<br>informative                     |
| 2020/12/2<br>5 11:25:06<br>AM             | Sinchana R           | 1SG17EE<br>075 | sinchanaratna<br>55@gmail.co<br>m    | As<br>Expected              | YES | As Expected                 | YES | YES | EXCELLENT | No suggestions,<br>it was very<br>informative. |

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Sapthagiri College of Engineering  
Chikmagalur, Hesaraghatta Road,  
Bangalore-560 057





|                                          |             |                |                                     |                |     |                             |     |     |           |                                    |
|------------------------------------------|-------------|----------------|-------------------------------------|----------------|-----|-----------------------------|-----|-----|-----------|------------------------------------|
| 2020/12/2<br>5 7:03:22<br>PM<br>GMT+5:30 | Pruthvi S   | 1SG17EE<br>059 | pruthvisgowda<br>1999@gmail.c<br>om | As<br>Expected | YES | Tougher<br>than<br>expected | YES | YES | EXCELLENT | Nothing                            |
| 2020/12/2<br>5 8:14:58<br>PM<br>GMT+5:30 | BHOOMIKA MC | 1SG17EE<br>011 | bhoomi12031<br>999@gmail.co<br>m    | As<br>Expected | YES | As Expected                 | YES | YES | EXCELLENT | -                                  |
| 2020/12/2<br>6 9:30:33                   | THANUJA. N  | 1SG17EE<br>081 | thanujamsn@<br>gmail.com            | As<br>Expected | YES | As Expected                 | YES | YES | VERY GOOD | Offline classes<br>would be better |

  
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14/5, Hesaraghatta Main Road, Chikkasandra, Bengaluru-560057.

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### COURSE COMPLETION CERTIFICATE

This is to certify that <<FULL NAME>>, <<SEM.>>, Dept. of <<DEPARTMENT>>, from <<NAME OF THE COLLEGE>> has successfully completed Add-on Course on "Python and Its Applications to signals and systems" conducted by the Department of Electrical and Electronics Engineering, Sapthagiri College of Engineering From 7/12/2020 to 24/12/2020.

Resource person

HOD, Dept. of EEE

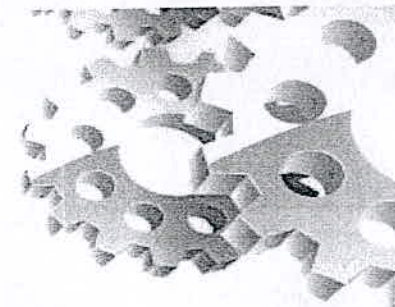
PRINCIPAL

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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### CERTIFICATE

This is to certify that VINODA M O 1SG17EE088 7<sup>th</sup> semester, Dept. of EEE has participated and successfully completed Add-on Course on

*“Python and Its Applications to Signals and Systems”*

conducted by the Department of Electrical and Electronics Engineering, Sapthagiri College of Engineering From 7/12/2020 to 24/12/2020.

Resource person

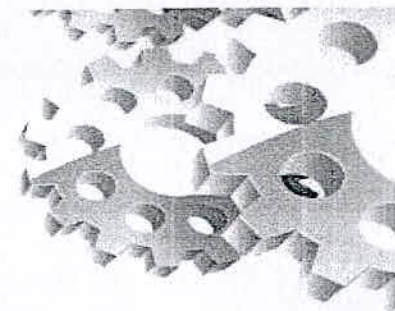
  
HOD, Dept. of EEE  
PRINCIPAL  
Principal  
Sapthagiri College of Engineering  
Chikkasandra, Hesaraghatta Road,  
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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

### CERTIFICATE

This is to certify that SUDDEP R 1SG18EE417 7<sup>th</sup> semester, Dept. of EEE has participated and successfully completed Add-on Course on

*“Python and Its Applications to Signals and Systems”*

conducted by the Department of Electrical and Electronics Engineering, Sapthagiri College of Engineering From 7/12/2020 to 24/12/2020.

Resource person

  
HOD, Dept. of EEE  
PRINCIPAL

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**SRI SRINIVASA EDUCATIONAL AND CHARITABLE TRUST  
SAPTHAGIRI COLLEGE OF ENGINEERING**

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14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru - 560 057.

**Department of Electrical and Electronics Engineering**

**REPORT ON**

**Add-on course on "Python and its application to Signals and Systems"**

**CONDUCTED**

**(From 07/12/2020 to 24/12/2020)**

Principal  
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Chikkasandra, Hesaraghatta Road,  
Bangalore-560 057



## **REPORT:**

An ADD on Course on “Python and its application to Signals and Systems”

was conducted from 7/12/2020 to 24/12/2020.

Resource Person: Dr.A.M.Leela, Prof(Retried), Archarya Institute of technology, Bangalore.

The Add-on course was conducted as per the following schedule.

| Date                               | Content                                      | No of Hours<br>(Total 42 hrs.) |
|------------------------------------|----------------------------------------------|--------------------------------|
| 07-12-2020                         | Why Python                                   | 2                              |
|                                    | Installation guide                           |                                |
| Python Interpreter                 |                                              |                                |
| 08-12-2020                         | Python Variables                             | 2                              |
|                                    | Python Data Types                            |                                |
| 09-12-2020                         | Python Operators                             | 2                              |
|                                    | Casting,                                     |                                |
| -----                              | Online Quiz-1                                | 1                              |
| 10-12-2020                         | Program Flow Control                         | 2                              |
|                                    | If...else, while loop, for loop              |                                |
| 11-12-2020                         | Python Functions, Lambda function            | 2                              |
| -----                              | Online Quiz-2, Coding Exercise-1             | 1                              |
| Numpy Module                       |                                              |                                |
| 12-12-2020                         | Creating array, indexing and slicing         | 4                              |
| 14-12-2020                         | Copy v/s View, Array shaping and Re shaping  | 2                              |
|                                    | Array iterating, Array Join,Array split      |                                |
| 15-12-2020                         | Array Search, Sort and Filter                | 2                              |
| -----                              | Online Quiz-3, Coding Exercise-2             | 1                              |
| Matplotlib Module                  |                                              |                                |
| 16-12-2020                         | Importing, Pyplots                           | 2                              |
| 17-12-2020                         | Plotting and Markers, Line style             | 2                              |
|                                    | Subplots                                     |                                |
| -----                              | Online Quiz-4, Coding Exercise-3             | 1                              |
| Sympy Module                       |                                              |                                |
| 18-12-2020                         | Importing, Substitution                      | 2                              |
|                                    | Simplify(), evalf() and lambdafy() functions |                                |
| 19-12-2020                         | Simplification, Derivative and Integration   | 2                              |
| -----                              | Online Quiz-5, Coding Exercise-4             | 1                              |
| Application to Signals and Systems |                                              |                                |
| 19-12-2020                         | Simulation of standard signals using Python  | 2                              |
| 21-12-2020                         | Simulation of standard signals using Python  | 2                              |
| 22-12-2020                         | Testing for Even and ODD signals             | 2                              |
|                                    | Testing for Energy and Power signals         |                                |

Mail.google.com/mail/u/1/?ogbl=search:leelaarakeremangowda@gmail.com/WhctKJWJFZwH5Vp8QxJLcZZHwtrCzqghWfaWUQWctjSRDwigVYSZMWtxPnHkU

Gmail leelaarakeremangowda@gmail.com

Compose

Inbox 1,702

Starred

Snoozed

Sent

Drafts 28

co-po attainment

More

Meet

New meeting

My meetings

Hangouts

Jhansi

No recent chats  
Start a new one

Syllabus for the Python Course

Dr Leela A M <leelaarakeremangowda@gmail.com>  
to KN, me

Respected Sir,  
I am herewith attaching the syllabus coverage for 20 hours for the Certificate course on "Python and its applications to Signals and Systems". I request you to consider it for offering to your students and oblige.

Thanking you,  
Yours faithfully,  
Leela A M

Certificate course

Reply Reply all Forward

ADD-ON course...docx

Windows Taskbar: Desktop, 10-Mar-2021, 10:11 PM

Mail.google.com/mail/u/1/?ogbl=search:leelaarakeremangowda@gmail.com/WhctKJWJFZwH5Vp8QxJLcZZHwtrCzqghWfaWUQWctjSRDwigVYSZMWtxPnHkU

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to KN, me

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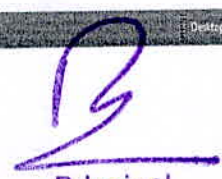
Thanking you,  
Yours faithfully,  
Leela A M

Certificate course

Reply Reply all Forward

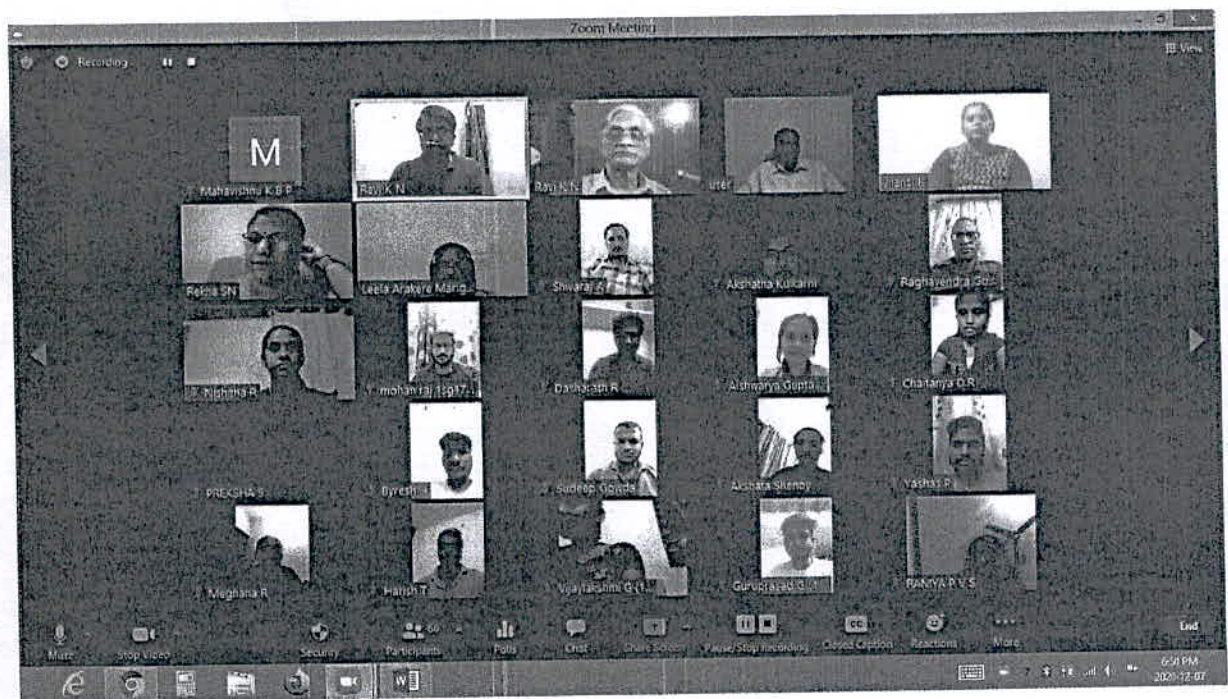
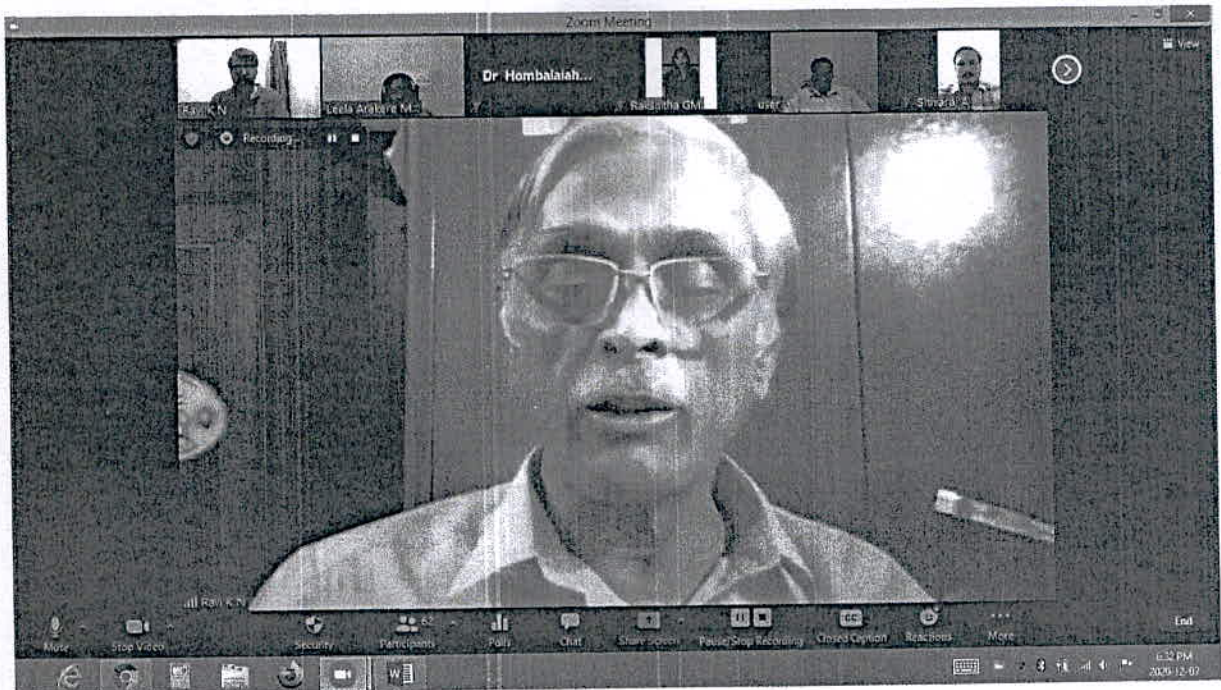
ADD-ON course...docx

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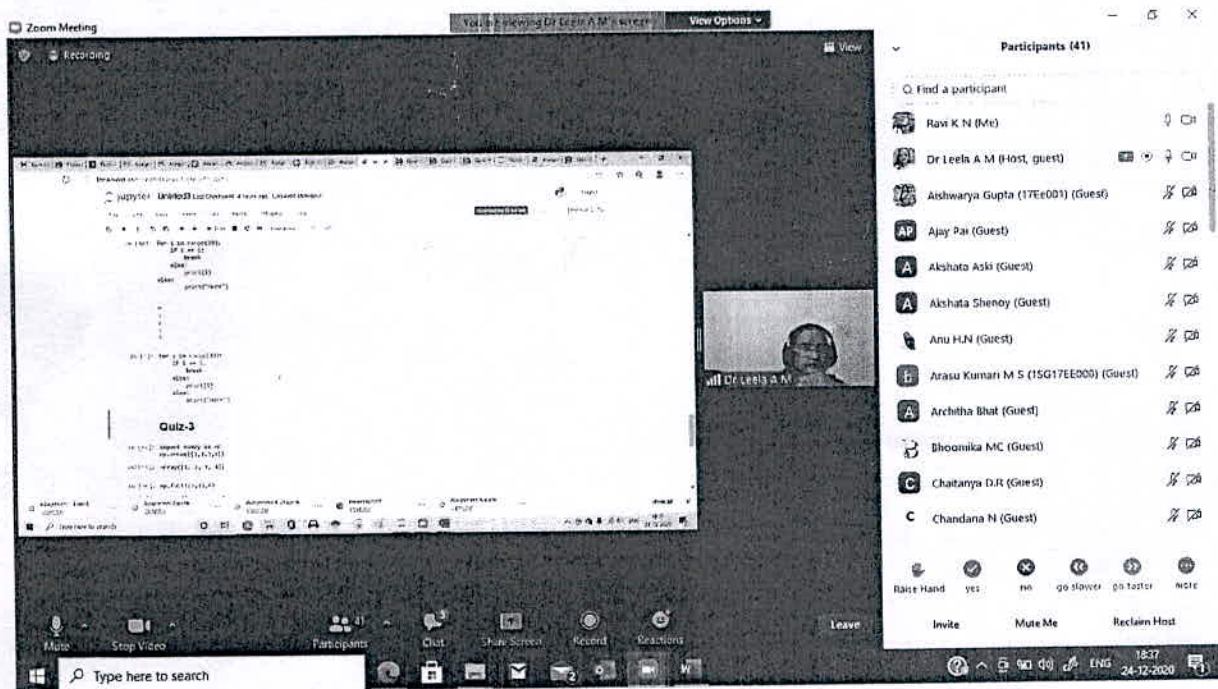
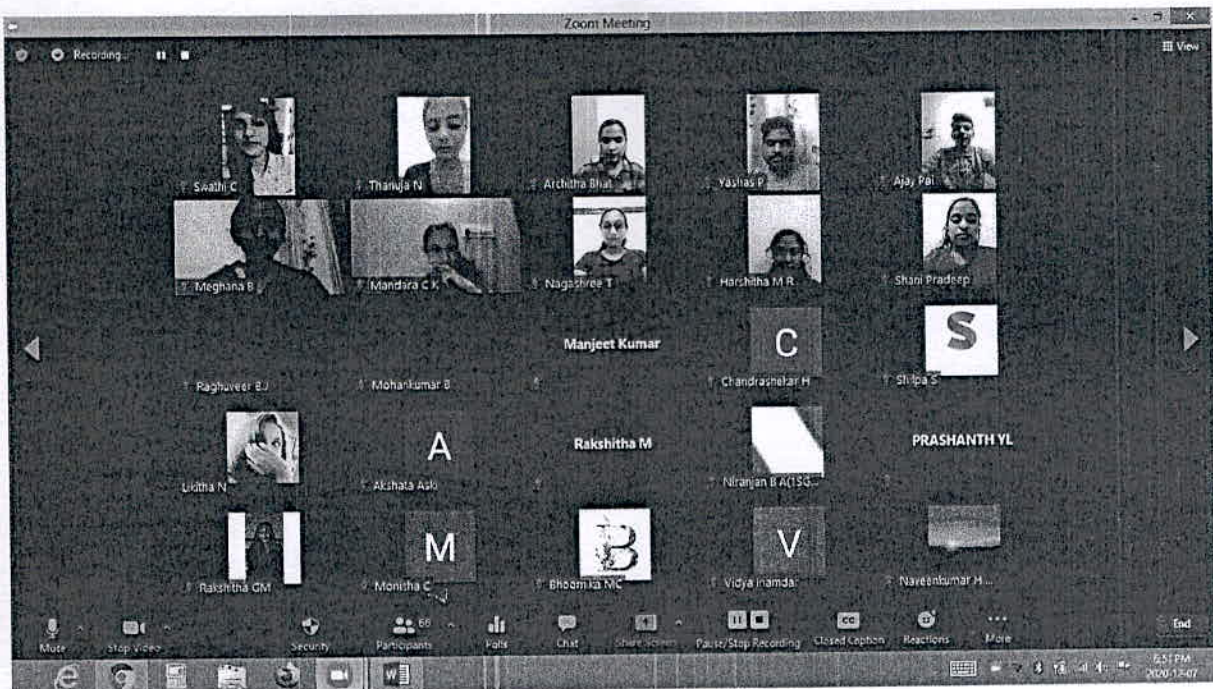
The snapshots for the open webinar are given below.





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