

Date: 12/03/2021

To  
The Head,  
Department of Electronics Engineering  
AVCOE, Sangamner.

Subject: Permission to conduct curricular/co-curricular activity in the department of Electronics Engineering.

Respected Madam,  
Department of Electronics Engineering has planned to conduct a curricular/co-curricular activity in association with IEEE Circuits and System Society(CASS) Students Branch chapter.

Proposed Date of Event: 17/04/2021 To 22/04/2021

Type of Event: **Workshop**

Title/Topic: **Octave Software For Digital Signal Processing**

Resource Persons: **Er. Kanawade M.T.**

So kindly give a permission to organize the event.

Thanking You,

Yours faithfully

  
**Er. M.T. Kanawade**

IEEE Coordinator

**Permitted**

  
13/3/21

**HOD**

Dept of Electronics Engg.  
AVCOE Sangamner

AE/OFFICE/Invitations/2020-21/

Date 14/4/2021

To,  
Er Kanawade M T.  
Assistant Professor, Electronics Engg Dept  
AVCOE, Sangamner

Subject-Invitation as resource person for Guest Lecture on "Workshop on Octave software for digital signal processing"

Dear, Er.Kanawade M.T.

Greetings.....!!!!

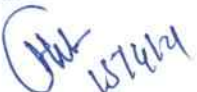
Ma'am, we are planning to conduct guest lecture on "Workshop on Octave software for digital signal processing" on 17/04/2021 to 22/04/2021 for TE students in association with IEEE Circuits and System Society (CASS) Students Branch chapter. The primary aim of arranging such sessions is to create interest among the students about Octave software for digital signal processing.

Being one of the experts in Octave software for digital signal processing, we will be grateful to you if you share your knowledge and experience with our students. Your contribution will be instrumental in keeping the pace with industry requirements and career paths of our students.

I hereby request you to accept our invitation. Kindly accept our invitation.

Looking forward to your kind acceptance.

Thanks

  
Dr. S.S.Gundal  
H.O.D.,  
Electronics Engineering

**HOD**  
Dept of Electronics Engg  
AVCOE Sangamner

Date: 25/04/2021

To,  
**The Principal,**  
AVCOE, Sangamner

Subject: Report of "Workshop on Octave Software For Digital Signal Processing"

Respected Sir,

Electronics Department conducted One Week Workshop on "Octave Software For Digital Signal Processing" for Third Year students of Electronics Engineering during 17<sup>th</sup> to 22<sup>nd</sup> April 2021. It is organized by Electronics Department. We are herewith submitting the report for the same.

Name of Resource Person : Er. Kanawade M.T.  
Faculty, Electronics Engineering Dept.

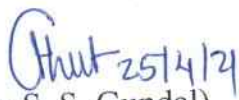
Subject : Octave Software For Digital Signal Processing.

Targeted students : TE students of Electronics Engineering.

Number of Students : 58

This is for your kind information

Thanking you

  
(Dr. S. S. Gundal)  
Head of Department

**HOD**  
Dept of Electronics Engg  
AVCOE Sangamner

Best Unplugged Songs For... x Octave Online - Cloud IDE com... x

octave-online.net

# Octave Online

MENU

Windows 11

Windows 11 brings you closer to what you love.

```

octave:26> x1=input('Enter the first discrete sequence = ');
Enter the first discrete sequence = > [1 2 3 4]
octave:27> x2=input('Enter the sequence second discrete sequence ');
Enter the sequence second discrete sequence = > [5 6 7 8]
octave:28> a=x1+x2;
octave:29> a=x1+x2
a =
     6     8    10    12


octave:30> b=fft(x1)
b =
 10 + 0i   -2 + 2i   -2 + 0i   -2 - 2i

octave:31> c=fft(x2)
c =
 26 + 0i   -2 + 2i   -2 + 0i   -2 - 2i

octave:32> d=b+c
d =
 36 + 0i   -4 + 4i   -4 + 0i   -4 - 4i

octave:33> e=ifft(d)
e =
     6     8    10    12

```



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octave-online.net

# Octave Online

MENU

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Tc
ans
[1x51] n
[1x12] t
[1x12] x
[1x5] y


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octave:16> ylabel('Amplitude')

```

Analog Signal



Discrete Signal

25/4

**Amrutvahini College of Engineering, Sangamner**  
**Department of Electronics Engineering**  
**Octave Software for DSP and Applications**


**Objectives:**


1. To know about Basics of Octave.
2. To introduce students to the Octave software for numerical computations for Digital Signal Processing
3. To solve linear and nonlinear problems numerically, and for performing other numerical experiments using a language that is mostly compatible with MATLAB.

**Outcomes:**

After completion of this course, student will be able to,

1. Write a simple program in Octave and simulate it.
2. Write program into command window and check outputs.
3. Solve linear and nonlinear problems using Octave software.
4. Understand use of different transforms and apply DFT for the analysis of discrete time signals and systems using Octave software.

  
Er. M.T. Kanawade  
Course Coordinator

  
13/3/24  
Dr. S.S. Gundal  
H.O.D.  
HOD  
Dept of Electronics Engg  
AVCOE Sangamner

AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER  
DEPARTMENT OF ELECTRONICS ENGINEERING

Attendance Sheet

Workshop on Octave Software for Digital Signal Processing

Class – TE


Date: 17/04/2024

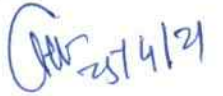
Sr. No.	Roll No.	Name of the Student
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2.	3	Bagwan Mariya Asif
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54.	72	Shinde Sopan Devram
55.	73	Sutar Kojagiri Adinath

56.	74	Varpe Aishwarya Navnath
57.	76	Waghmare Dipali Dattatraya

  
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Coordinator

  
Ms. M.T. Kanawade  
IEEE Coordinator

  
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## Attendance Sheet

## Workshop on Octave Software for Digital Signal Processing

Class – TE

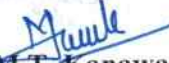
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Ms. M. T. Kanawade  
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AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER

DEPARTMENT OF ELECTRONICS ENGINEERING

Attendance Sheet

Workshop on Octave Software for Digital Signal Processing

Class – TE

Date: 19/04/2021

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*M. Kanawade*  
Er.M.T.Kanawade  
Coordinator

*M. Kanawade*  
Ms. M.T. Kanawade  
IEEE Coordinator

*G. Gundal*  
25/4/24  
Dr. S.S. Gundal  
H.O.D  
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AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER  
DEPARTMENT OF ELECTRONICS ENGINEERING

Attendance Sheet

Workshop on Octave Software for Digital Signal Processing

Class - TE


Date: 20/04/2021

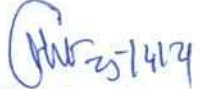
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DEPARTMENT OF ELECTRONICS ENGINEERING

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Workshop on Octave Software for Digital Signal Processing

Class – TE

Date: 21/04/2024

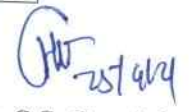
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**AMRUTVAHINI COLLEGE OF ENGINEERING, SANGAMNER**  
**DEPARTMENT OF ELECTRONICS ENGINEERING**

**Attendance Sheet**

**Workshop on Octave Software For Digital Signal Processing**

**Class – TE**

**Date: 22/04/2021**

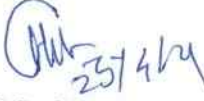
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47.	62	SanapPallaviSharad
48.	63	SangaleSuvarnaBhausahab
49.	64	SanglePallaviShashikant
50.	65	SatputeAkash Kailas
51.	67	ShelkeLokeshPrabhakar
52.	68	ShelkeSagarBhausahab
53.	69	SheteSnehaSudhakar
54.	72	ShindeSopanDevram
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56.	76	WaghmareDipaliDattatra
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Date 22/04/2021

To,  
Er Kanawade M T.  
Assistant Professor,electronics engg Dept  
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### Letter of Appreciation

Dear, Er Kanawade M T.

We are writing this letter to express our gratefulness towards you for taking pains and clearing our students doubts on "Workshop on octave software for digital signal processing" on date 17/04/2021 to 22/04/2021 in association with IEEE Circuits and System Society(CASS) Students Branch chapter. We truly appreciate the way you taught our students and made them ready for the future exams. You have done a great favor to our students and we have no words to express our gratitude towards you.

We assure you that your efforts will not go waste and our students will pass out with excellent marks and make you feel proud of them. Once again, thanks for all the help extended to us.

With warm regards



**Dr.S.S.Gundal**

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M. J. J.