SRI RAMAKRISHNA ENGINEERING COLLEGE
[Educational Service: SNR Sons Charitable Trust]
[Autonomous Institution, Reaccredited by NAAC with 'A+' Grade]
[Approved by AICTE and Permanently Affiliated to Anna University, Chennai]
[ISO 9001:2015 Certified and all eligible programmes Accredited by NBA]
Vattamalaipalayam, N.G.G.O. Colony Post, Coimbatore – 641 022

PROBLEM SOLVING METHODOLOGIES

ICT ENABLED TOOLS

MECHANICAL ENGINEERING

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VATTAMALAIPALAYAM, N.G.G.O. COLONY POST, COIMBATORE – 641 022.

DEPARTMENT OF MECHANICAL ENGINEERING

Sample Google Classroom Link

S.No.	Name of the Faculty	Webex Link
1	Dr.VAmarnath	https://www.youtube.com/watch?v=FZmBQRmDgIc&t=10s **TOPIC** 5S Factory Makeover Preview
		https://www.youtube.com/watch?v=LoDs8tBcQvQ **TOPIC** KAIZEN | A Japanese Philosophy for Continuous Improvement (PDCA Cycle)
		https://www.youtube.com/watch?v=fcBXtwGexNc&t=56s **TOPIC** KAIZEN | The Secret behind Japanese Productivity
		https://www.youtube.com/watch?v=cAUXHJBB5CM **TOPIC** Just in Time by Toyota
		https://www.youtube.com/watch?v=AbbNCY9FVao **TOPIC** Poke Yoke Example
		https://www.youtube.com/watch?v=gpBUZZnoZTI **TOPIC** Demings 14 Points

Sample Webex Platform Link

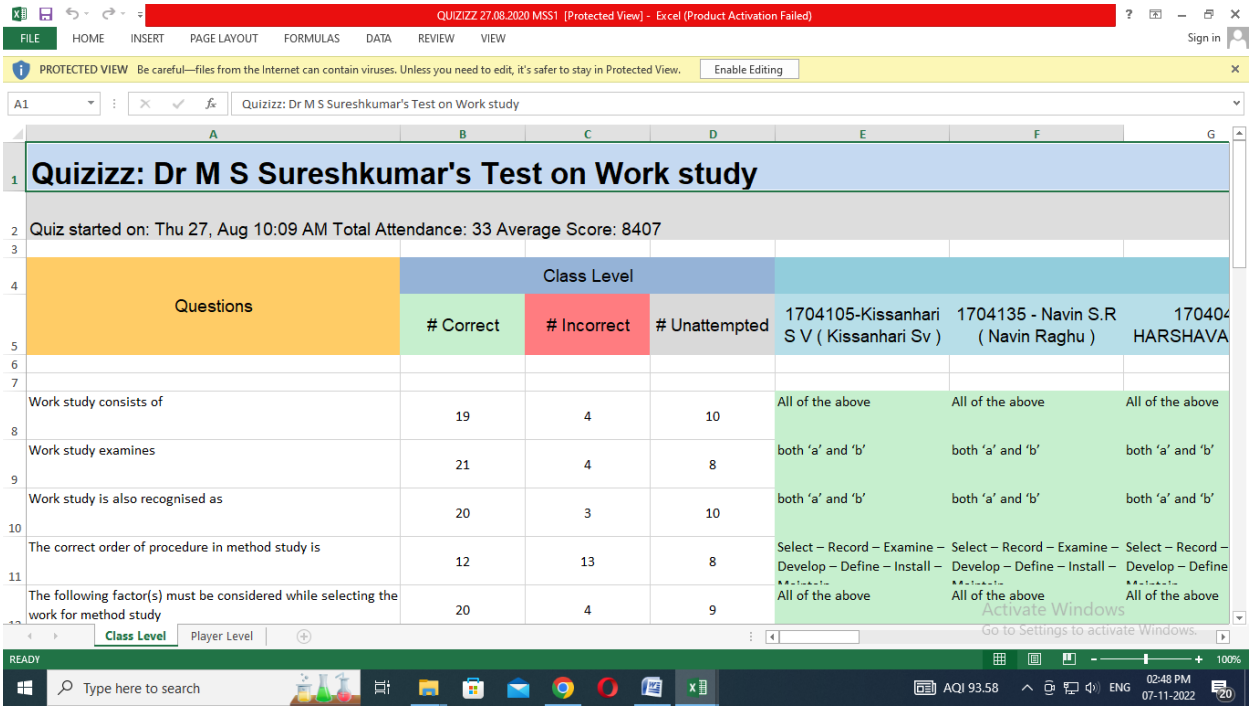
S.No.	Name of the Faculty	Webex Link
1	Mr.M.Mahendran	Webex training session recording: 16ME 216 Thermal Engineering-20200825 0836-1 Password: cRNJQ3K5 Recording link: https://snrsrec.webex.com/snrsrec/lsr.php?RCID=662f4aa8ce994022b161b0b5d54ff16d
		Webex training session recording: 16ME 216 Thermal Engineering-20200831 0406-1 Password: Sd2XhDQn Recording link: https://snrsrec.webex.com/snrsrec/lsr.php?RCID=71fd4f6ff3844f08beeea

		109867ee620
2	Mr.B.Brailson Mansingh	Webex training session recording: 16ME215 Dynamics of Machinery-20200902 0401-1 Password: ZuJuhMS2 Recording link: https://snrsrec.webex.com/snrsrec/lsr.php?RCID=352556063d624da5904354b5a165d102
		Webex training session recording: 16ME215 Dynamics of Machinery-20200909 0358-1 Password: 7VyRu6Ph Recording link: https://snrsrec.webex.com/snrsrec/lsr.php?RCID=a2099eab9cb140d692e2f38841266f21
3	Mr.M.Ramesh	Webex training session recording: 16ME217- FINITE ELEMENT METHOD-20200904 0401-1 Password: Rt5ppJZm Recording link: https://snrsrec.webex.com/snrsrec/lsr.php?RCID=ef4789f64c6844b28221b513f695c683
		Webex training session recording: 16ME217- FINITE ELEMENT METHOD-20200911 0402-1 Password: 36HhKqkJ Recording link: https://snrsrec.webex.com/snrsrec/lsr.php?RCID=6999ae548cc54b7f8470be4e76299fd2

Sample Google Class room Link

S.No.	Name of the Faculty	Google Class room Link
1	Dr.V.Amarnath	https://classroom.google.com/c/MTMzNDA5MTcxMDQ1?cjc=7kt2uda https://classroom.google.com/c/NTQ0MDQzNjk3MDkw?cjc=2q4zbtf https://classroom.google.com/c/NDg0NjE0NjY5MzU1?cjc=nrnh6q4
2	Dr.N.Gunasekaran	https://classroom.google.com/c/MjYwOTk5NDQ3NTIw?cjc=56n4ojk
		https://classroom.google.com/c/MTE2MTk4MTIzMDMz?cjc=fdkqbgt

Sample QUIZIZZ



QUIZIZZ 27.08.2020 MSS1 [Protected View] - Excel (Product Activation Failed)

PROTECTED VIEW Be careful—files from the Internet can contain viruses. Unless you need to edit, it's safer to stay in Protected View. Enable Editing

A1 Quizizz: Dr M S Sureshkumar's Test on Work study

Quizizz: Dr M S Sureshkumar's Test on Work study

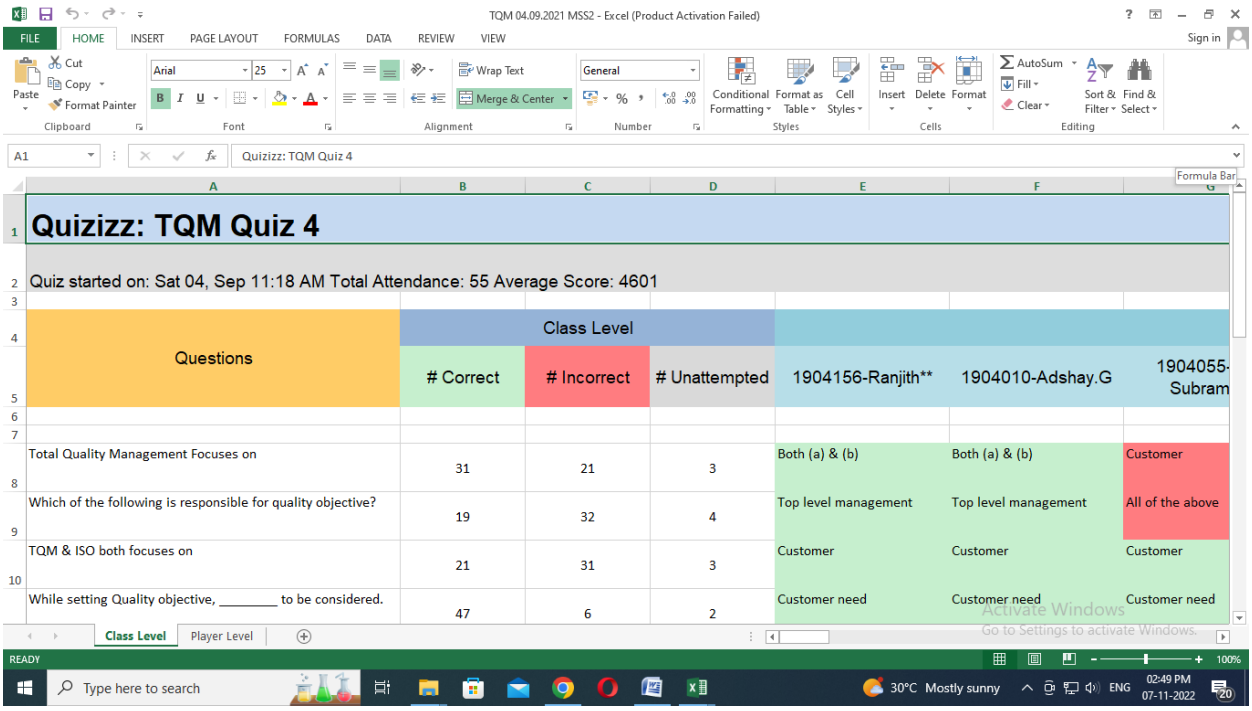
Quiz started on: Thu 27, Aug 10:09 AM Total Attendance: 33 Average Score: 8407

Questions	Class Level			1704105-Kissanhari S V (Kissanhari Sv)	1704135 - Navin S.R (Navin Raghu)	170404 HARSHAVA
	# Correct	# Incorrect	# Unattempted			
Work study consists of	19	4	10	All of the above	All of the above	All of the above
Work study examines	21	4	8	both 'a' and 'b'	both 'a' and 'b'	both 'a' and 'b'
Work study is also recognised as	20	3	10	both 'a' and 'b'	both 'a' and 'b'	both 'a' and 'b'
The correct order of procedure in method study is	12	13	8	Select – Record – Examine – Develop – Define – Install –	Select – Record – Examine – Develop – Define – Install –	Select – Record – Develop – Define
The following factor(s) must be considered while selecting the work for method study	20	4	9	All of the above	All of the above	All of the above

Class Level | Player Level

READY

Type here to search AQI 93.58 ENG 02:48 PM 07-11-2022



TQM 04.09.2021 MSS2 - Excel (Product Activation Failed)

A1 Quizizz: TQM Quiz 4

Quizizz: TQM Quiz 4

Quiz started on: Sat 04, Sep 11:18 AM Total Attendance: 55 Average Score: 4601

Questions	Class Level			1904156-Ranjith**	1904010-Adshay.G	1904055-Subram
	# Correct	# Incorrect	# Unattempted			
Total Quality Management Focuses on	31	21	3	Both (a) & (b)	Both (a) & (b)	Customer
Which of the following is responsible for quality objective?	19	32	4	Top level management	Top level management	All of the above
TQM & ISO both focuses on	21	31	3	Customer	Customer	Customer
While setting Quality objective, _____ to be considered.	47	6	2	Customer need	Customer need	Customer need

Class Level | Player Level

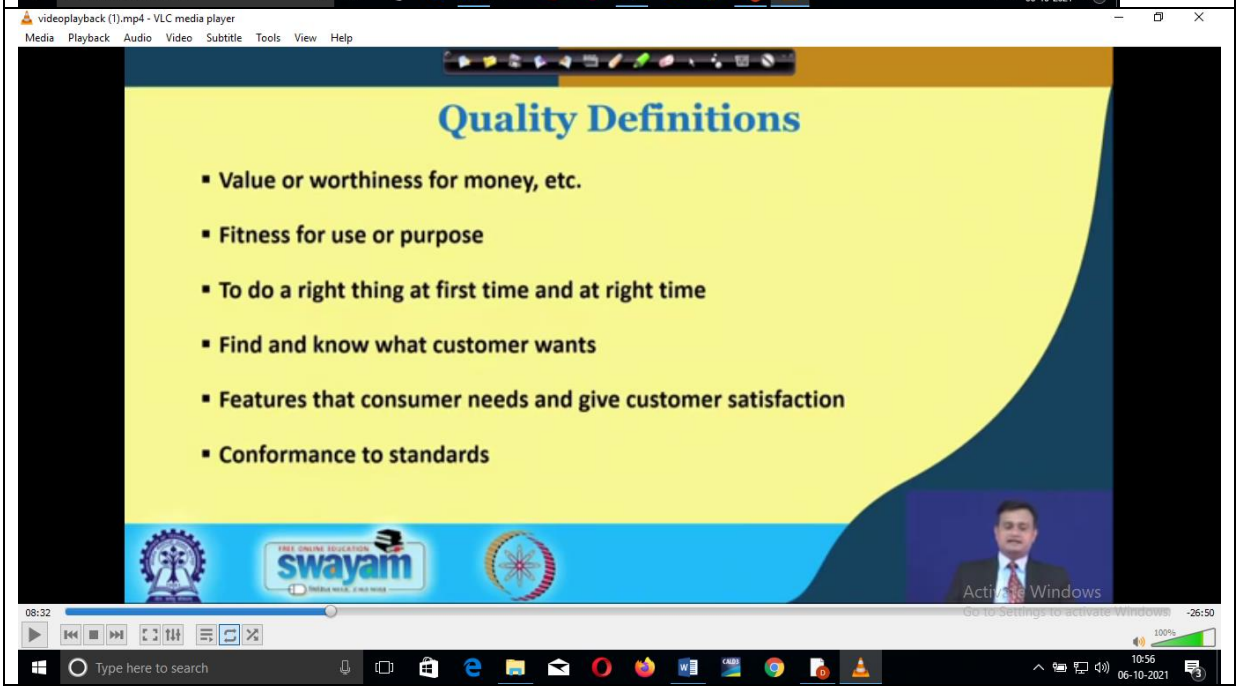
READY

Type here to search 30°C Mostly sunny ENG 02:49 PM 07-11-2022

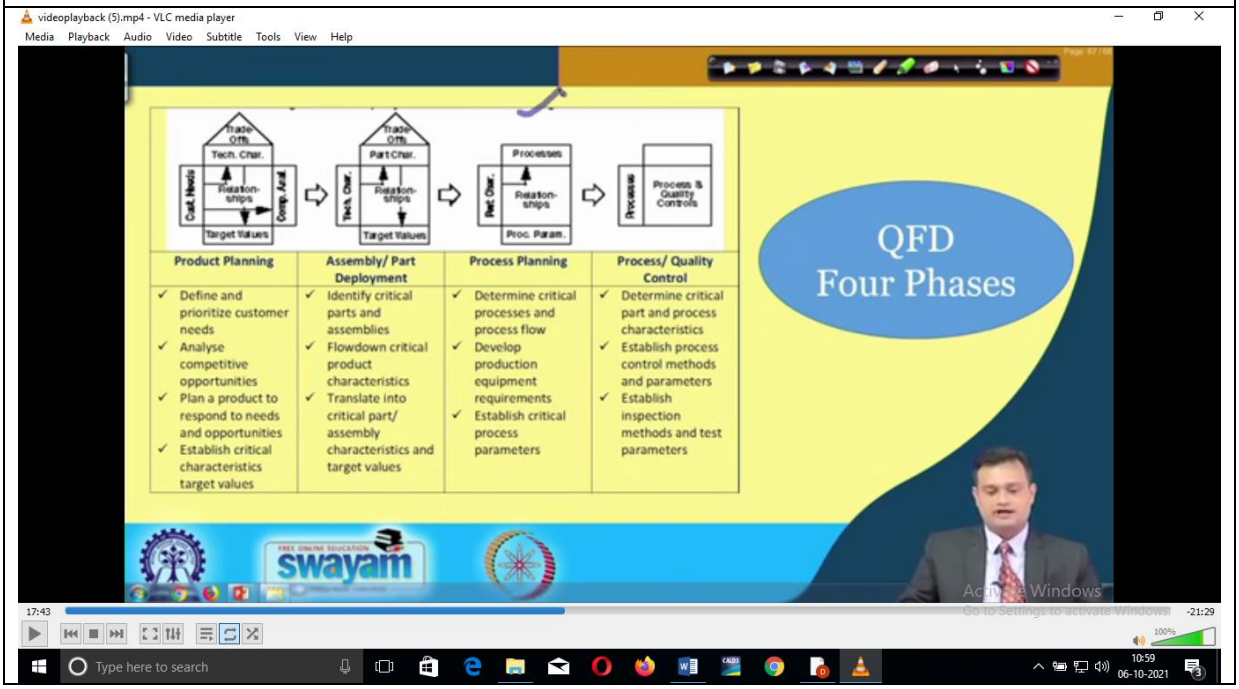
Sample NPTEL videos used

1.

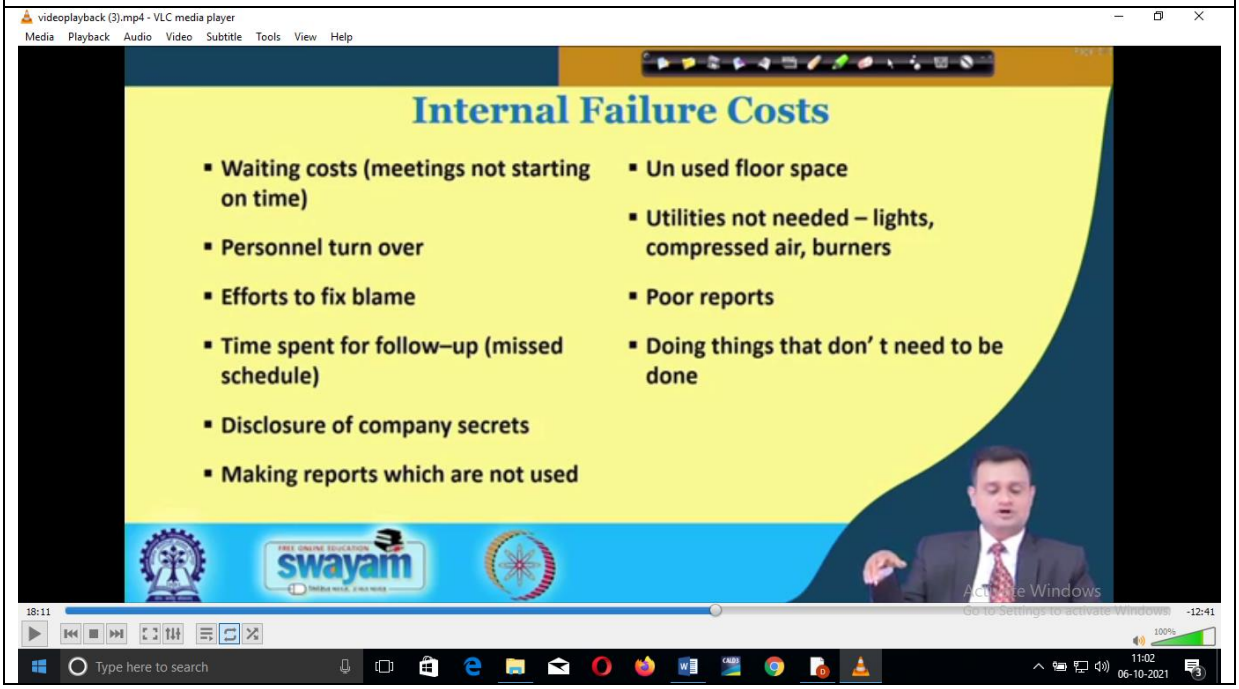
Quality Management-Basics and Concepts



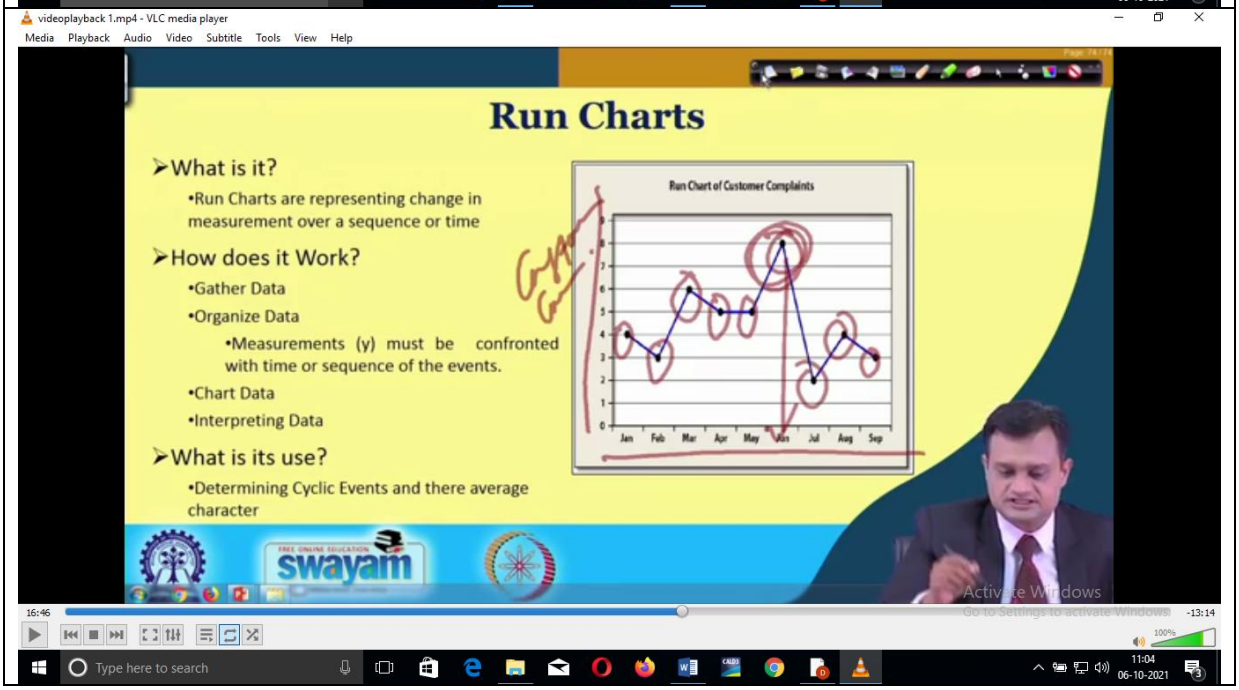
Quality Function Deployment (QFD)



Cost of Quality



Seven QC Tools



INFORMATION TECHNOLOGY

Quizizz

NAME : _____

CLASS : _____

ARRAY-C
4 Questions

DATE : _____

1. **In array default index value starts with _____value.**

A NULL

B -1

C 1

D 0

2. Which of the following array initialization is correct?

A int arr[3] = (1,2,3);

B int arr(3) = (1,2,3);

C int arr(3) = {1,2,3};

D int arr[3] = {1,2,3};

3. **What is the output of C Program.? int main() { int a[]; a[4] = {1,2,3,4}; printf("%d", a[0]); }**

A 3

B 1

C 2

D Compile time error

4. **What is the output of C Program.? int main() { char grade[] = {'A','B','C'}; printf("GRADE=%c, ", *grade); printf("GRADE=%d", grade); }**

A GRADE=A, GRADE=some address of array

B GRADE=some address of array, GRADE=A

C GRADE=A, GRADE=A

D Compiler error

8-1

Answer Key

1. d
2. d
3. d
4. a

Quizizz

ARRAY-C

Date: Wed Aug 04 2021 - 11:06 am

46	4	59
Accuracy % (correct / total)	Number of Questions	Number of Players

Players

Rank	Player Name	Avg. Time	Score	Accuracy	Correct / Total
1	2005118	14 secs	3330	100%	4 / 4
2	2005151	25 secs	3010	100%	4 / 4
3	2005101	10 secs	2750	75%	3 / 4
4	2005106	10 secs	2730	75%	3 / 4
5	2005156	30 secs	2090	75%	3 / 4
6	2005153	24 secs	2040	75%	3 / 4
7	2005139 . (2005139)	13 secs	1880	50%	2 / 4
8	2005126	20 secs	1830	50%	2 / 4
9	Sri Varshini (2005141)	13 secs	1820	50%	2 / 4
10	Shanmathi Paramanandam (2005129)	16 secs	1800	50%	2 / 4
11	2005132	17 secs	1750	50%	2 / 4

Rank	Player Name	Avg. Time	Score	Accuracy	Correct / Total
12	2005136	11 secs	1720	50%	2 / 4
13	2005150	15 secs	1710	50%	2 / 4
14	2005134	11 secs	1700	50%	2 / 4
15	2005143	14 secs	1670	50%	2 / 4
16	2005124	24 secs	1650	50%	2 / 4
17	SUJIT K (Sujit.mk)	21 secs	1580	50%	2 / 4
18	SWETHA IT-B (2005148)	21 secs	1530	50%	2 / 4
19	2005107	22 secs	1520	50%	2 / 4
20	2005102	25 secs	1470	50%	2 / 4
21	2005114	17 secs	1460	50%	2 / 4
22	2005127	27 secs	1460	50%	2 / 4
23	2005104	26 secs	1450	50%	2 / 4
24	2005105	29 secs	1390	50%	2 / 4
25	2005157	25 secs	1380	50%	2 / 4
26	2005158	35 secs	1340	50%	2 / 4
27	2005160. sriharikaran	20 secs	1310	50%	2 / 4
28	2005152	36 secs	1230	50%	2 / 4
29	2005117	21 secs	920	25%	1 / 4
30	2005103	19 secs	910	25%	1 / 4
31	Raghul TM	17 secs	910	25%	1 / 4
32	2005109	15 secs	900	25%	1 / 4

Rank	Player Name	Avg. Time	Score	Accuracy	Correct / Total
33	VISNU M.S (2005155)	16 secs	890	25%	1 / 4
34	2005128	9 secs	880	25%	1 / 4
35	2005123	21 secs	830	25%	1 / 4
36	2005116	20 secs	780	25%	1 / 4
37	Renish Guru (Renish 2005119)	20 secs	760	25%	1 / 4
38	2005128*	24 secs	750	25%	1 / 4
39	2005144.Sri varshini	18 secs	730	25%	1 / 4
40	2005140	27 secs	670	25%	1 / 4
41	38	35 secs	630	25%	1 / 4
42	2005154	38 secs	610	25%	1 / 4
43	2005111	28 secs	600	25%	1 / 4
44	Vishal T (Vishal)	35 secs	600	25%	1 / 4
45	2005133	33 secs	600	25%	1 / 4
46	2005142	21 secs	0	0%	0 / 4
47	2005110	2 secs	0	0%	0 / 4
48	Srinidhi.S	-	0	0%	0 / 4
49	NIVETHA	-	0	0%	0 / 4
50	Ramkumar J	-	0	0%	0 / 4
51	VISNU M.S (Visnu Raghav)	-	0	0%	0 / 4
52	Sindu 2005136	-	0	0%	0 / 4
53	2005116*	-	0	0%	0 / 4

socrative

NLP - List & Dictionary

8 Questions

1. What is the output of the following list operation?
<code>sampleList = [10, 20, 30, 40, 50]</code>
<code> print(sampleList[-2])</code>
<code> print(sampleList[-4:-1])</code>

15/19 **A** 40
[20, 30, 40]

4/19 **B** IndexError: list index out of range

2. Which of the following statements is true?

3/19 **A** Dictionary is a sequence of key-value pairs.

5/19 **B** Dictionary is an indexed collection of key-value pairs

11/19 **C** Dictionary is an unordered collection of key-value pairs

3. Which of the following objects is not a valid declaration for dictionary?

11/19 **A** dict = {(1,2):10}

6/19 **B** dict={[1, 2]:10}

2/19 **C** dict={1:10}

4. The items() method of dictionary returns _____

11/19 **A** list of tuples

3/19 **B** tuple of lists

0/19 **C** tuple of tuples

5/19 **D** list of lists

5. What will be the output of the following code?
nums = {"ONE":1, "TWO":2}
print(nums["One"])

11/19 **A** 1

2/19 **B** "ONE"

2/19 **C** Syntax error

4/19 **D** Runtime error

6. What is the output of the following list operation?
<code>aList = [10, 20, 30, 40, 50, 60, 70, 80]</code>
<code> print(aList[2:5])</code>
<code>print(aList[:4])</code>
<code>print(aList[3:])</code>

4/19 **A** [20, 30, 40, 50]
[10, 20, 30, 40]
[30, 40, 50, 60, 70, 80]

15/19 **B** [30, 40, 50]
[10, 20, 30, 40]
[40, 50, 60, 70, 80]

7. Dictionary keys must be immutable

19/19 **T** True

0/19 **F** False

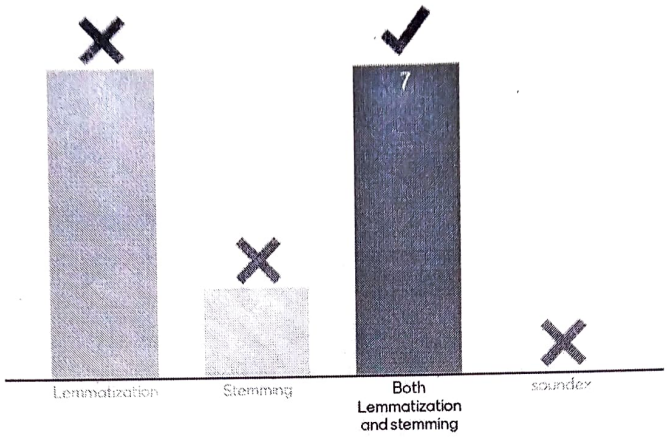
8. What is the output of the following list function?
<code>sampleList = [10, 20, 30, 40, 50]</code>
<code> sampleList.append(60)</code>
<code>print(sampleList)</code>
<code>sampleList.append(60)</code>
<code>print(sampleList)</code>

3/19 **A** [10, 20, 30, 40, 50, 60]
[10, 20, 30, 40, 50, 60]

16/19 **B** [10, 20, 30, 40, 50, 60]
[10, 20, 30, 40, 50, 60, 60]

Mentimeter

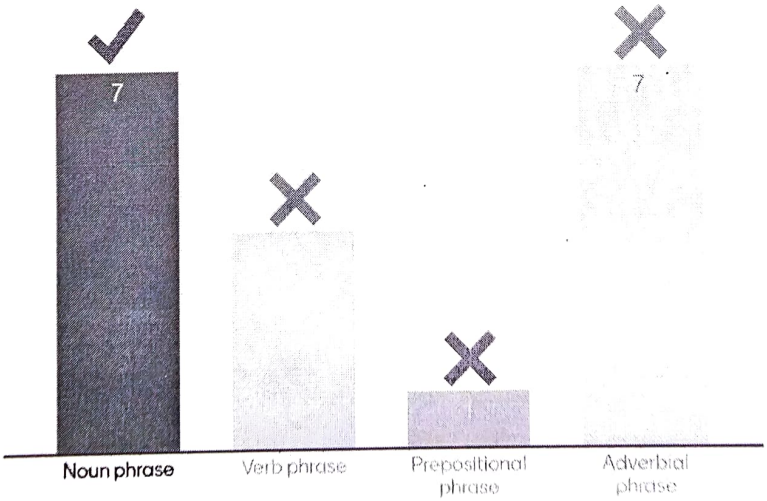
Which of the following techniques can be used for the purpose of keyword normalization, the process of converting a keyword into its base form?



16

Mentimeter

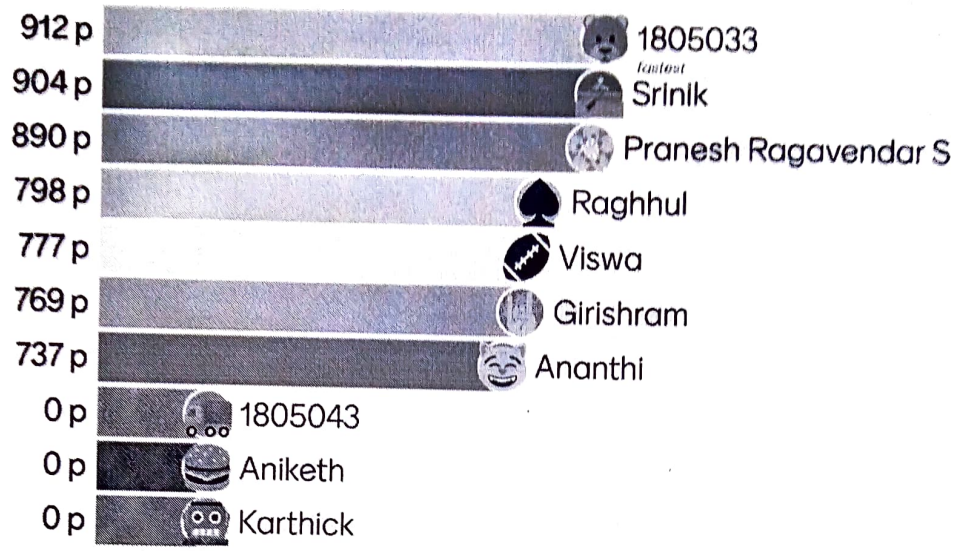
In the sentence, "I want a cute teddy for my birthday", the underlined part is an example of _.



19

Leaderboard

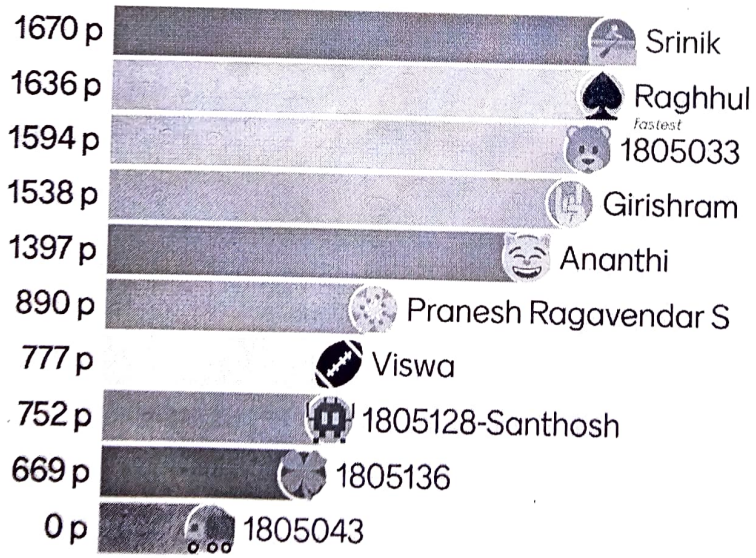
Mentimeter



16

Leaderboard

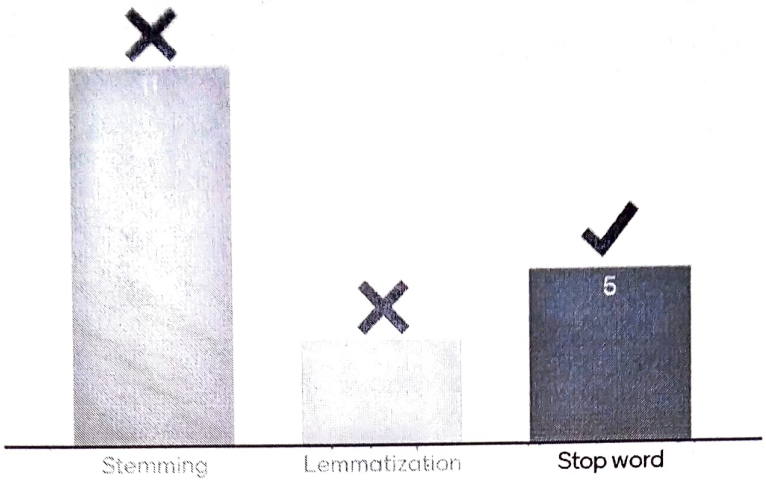
Mentimeter



19

Mentimeter

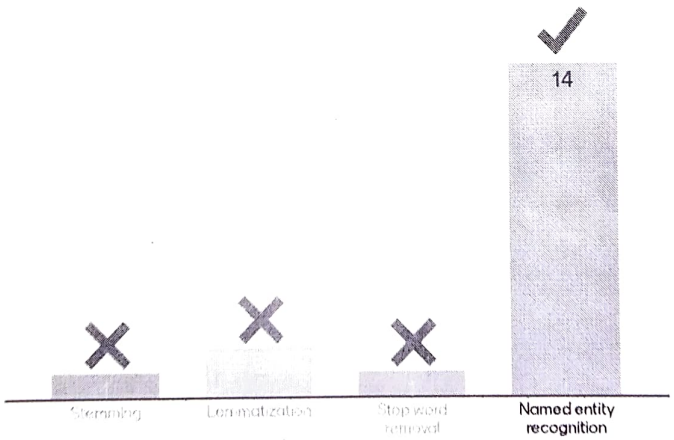
In NLP, The process of removing words like "and", "is", "a", "an", "the" from a sentence is called as ____



12

Mentimeter

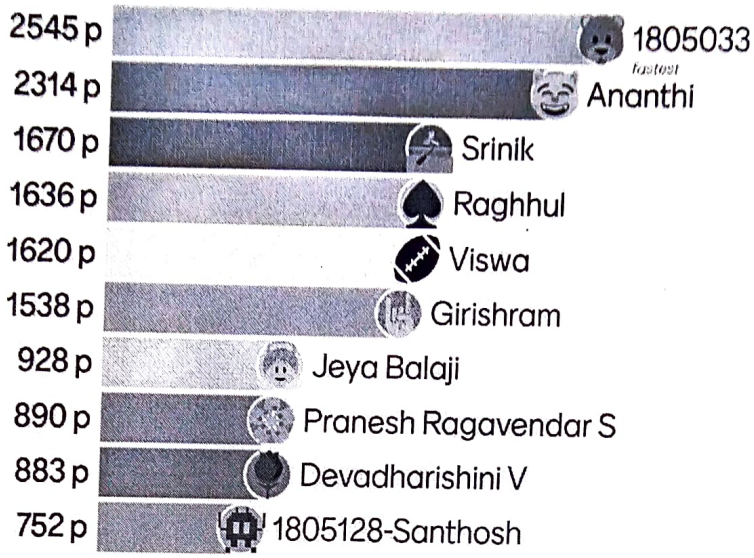
In NLP, The process of identifying people, an organization from a given sentence, paragraph is called ___



13

Leaderboard

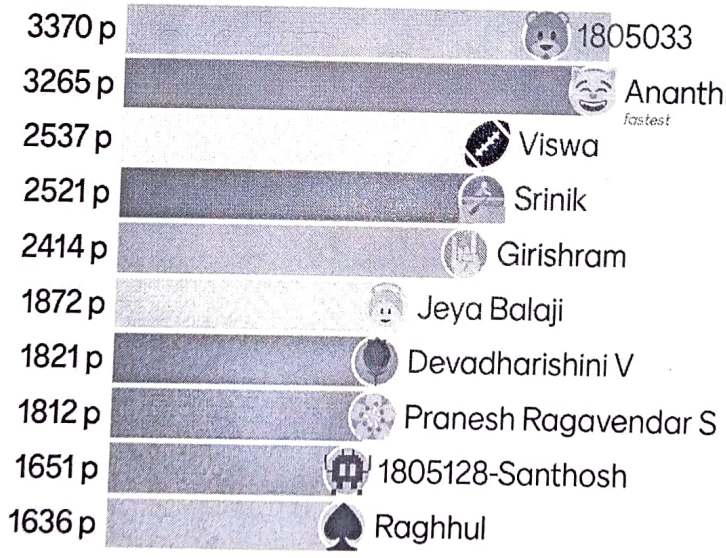
Mentimeter



19

Leaderboard

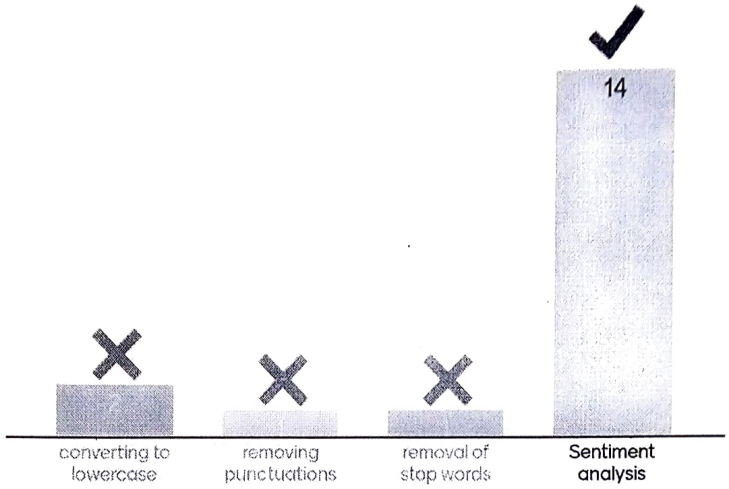
Mentimeter



18

Which one of the following is not a pre-processing technique in NLP?

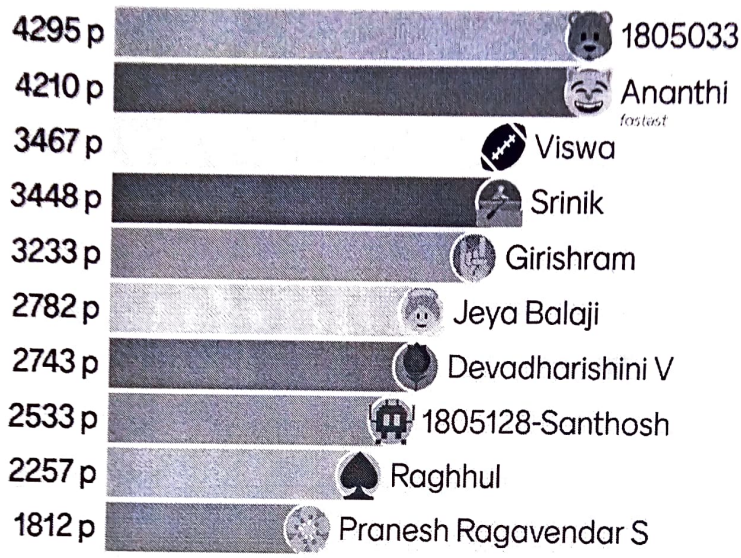
Mentimeter



18

Leaderboard

Mentimeter



18

ELECTRONICS AND INSTRUMENTATION ENGINEERING

Communication System Quiz -1

Live · Hosted by kayalvizhis

59%	19/52	10	0
Correct answers	Didn't finish	Need help	Difficult questions

Players (52)

Nickname	Rank	Correct answers	Unanswered	Final score
Siddharth	1	100%	0	9488
Sreelakshmi	2	100%	0	9252
RAmanan	3	90%	0	8378
shobi	4	90%	0	8377
Aishu	5	90%	0	8289
Sowndarya R	6	90%	0	8245
Vignesh	7	90%	0	8177
Kamali	8	90%	0	8170
Madhumith...	9	90%	0	8127
Abishek Sa...	10	90%	0	7822
Srimathi	11	80%	0	7592
sidharthpra...	12	80%	0	7479
Bala	13	80%	0	7418
Yazhini	14	80%	1	7341
S SRI SARAN	15	90%	0	7183
kaviarasan T	16	80%	0	7076
Karthikeyan	17	80%	0	7047
karthika	18	80%	1	7028
Mallika M	19	90%	0	6874

Scanned with CamScanner

Nickname	Rank	Correct answers	Unanswered	Final score
1906023	20	80%	1	6684
Gayathri	21	70%	0	6519
Sowndarya N	22	70%	0	6442
Kishore	23	70%	0	6415
Nandagopal	24	70%	0	6318
Prabuu	25	70%	0	6272
RAJAVARM...	26	70%	0	6129
Sivaranjani	27	70%	0	6100
kirthana	28	70%	0	6094
Kiran	29	60%	0	5597
Prasanna	30	60%	0	5477
Rahullllll	31	60%	0	5316
Subal	32	60%	0	5311
Nagulan	33	60%	1	4843
Mughil	34	70%	0	4824
Kavidharan	35	60%	0	4623
varsh	36	60%	1	4570
Deepthi	37	60%	2	4385
1906001	38	50%	0	4361
Dharshini	39	50%	1	3780
KARSIN	40	40%	2	2900
Aravindh	41	40%	1	2737
Ashaleshwa...	42	40%	6	2728
Barani	43	10%	0	972
H	44	10%	9	826
sanjay	45	10%	5	508
Balaji	46	0%	10	0
G	47	0%	10	0
Balaji.k	48	0%	6	0

Scanned with CamScanner

Nickname	Rank	Correct answers	Unanswered	Final score
Rahul	49	0%	10	0
Thiru	50	0%	10	0
Abdul	51	0%	10	0
Rahul!!!	52	0%	10	0

Questions (10)

	Question	Type	Correct answers
1	FM stands for	Quiz	46%
2	A sinusoidal signal is analog signal	True or false	67%
3	In electronic communications, "AM" st...	Quiz	73%
4	Which of the following quantities con...	Quiz	75%
5	Which of the quantity consists of SI u...	Quiz	65%
6	Which number system has a base of 16	Quiz	73%
7	PPM = PWM + Monostable multivibrat...	True or false	57%
8	Speed of data transmission in 4-C net...	Quiz	36%
9	PPM - Pulse Position modulation	True or false	63%
10	Modulation?	Quiz	38%

Scanned with CamScanner

Communication systems test-2

Live · Hosted by kayalvizhis

41%	17/40	13	3
Correct answers	Didn't finish	Need help	Difficult questions

Players (40)

Nickname	Rank	Correct answers	Unanswered	Final score
Aishwariya	1	87%	0	6085
sidharthpra...	2	87%	0	6013
Kamali	3	87%	0	5842
Bala	4	75%	0	5632
Abishek Sa...	5	87%	0	5541
Sowndarya R	6	75%	0	5169
Gayathri	7	62%	0	4692
Dharshini	8	75%	1	4117
Karthikeyan	9	50%	0	3748
Ramanan	10	50%	0	3738
Kishore	11	50%	0	3548
Deepthi	12	62%	0	3535
Vignesh	13	50%	0	3528
POOJA	14	50%	1	3412
Sowndarya.N	15	50%	1	3341
Rajavarman	16	50%	0	3122
sanjay	17	62%	0	3097
Nandagopal	18	37%	0	2677
Aravindh	19	50%	1	2671

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Nickname	Rank	Correct answers	Unanswered	Final score
Susaanth	20	50%	3	2621
Prasanna	21	57%	0	2586
kaviarasan	22	57%	0	2469
Dhanush	23	57%	1	2561
Saran	24	57%	1	2265
Karthika	25	57%	0	2206
Ashalesywa...	26	57%	4	2044
Kirthana	27	57%	1	911
yazhini	28	25%	0	1804
Kavidharan	29	25%	1	1751
Prabhaa	30	25%	0	1659
Mallika	31	25%	1	1455
KARSIN	32	25%	3	1152
Nagulan	33	12%	2	845
Srimathi	34	12%	0	815
Sivaranjani	35	12%	0	549
Yazhini	36	0%	8	0
Shobika	37	0%	8	0
Sreelakshmi	38	0%	0	0
Siddharth	39	0%	5	0
Kiran	40	0%	3	0

Questions (8)

	Question	Type	Correct answers
1	In _____ communication , the med...	Quiz	27%
2	In _____ communication transmissi...	Quiz	70%
3	_____ is equipment which convert...	Quiz	47%
4	A carrier wave carries information.	True or false	15%

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Kahoot!

, 4:00 PM

	Question	Type	Correct answers
5	Radio broadcasts are generally	Quiz	62%
6	If the frequency of a wave 20 Hz, the ti...	Quiz	42%
7	Bandwidth = Lower cutoff frequency - ...	True or false	25%
8	FM and AM is two forms of Angular m...	True or false	50%

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QUIZIZZ

Digital Signal Processing quiz 1
10 Questions

NAME :
CLASS :
DATE :

1. If $x(n)=a^n$ and a=3 then it is

A Decaying Exponential

B Two sided growing

C Growing Exponential

D two sided decaying

2. Identity the following system is y(n)=x(-n)

A Dynamic or Non-causal

B Dynamic or Causal

C Static or Anti causal

D Static or Causa

3. In Linear Convolution if $y(n)=x(n)^*h(n)$ where x(n) has M values and h(n) has N values then y(n) has

A NM

B N+M

C N/M

D N+M-1

4. The Number of samples present in the periodic signal cos(3πn) is

A N=2 samples

B N=3 samples

C N=5 samples

D N= 3/2 samples

5. Perform Signal multiplication for x(n)={1,2,3,4} and y(n)={3,6,9,12} is

A {4,5,12,13}

B {3,12,15,16}

C {3,12,27,48}

D {4,8,12,16}

6. The power value of the unit step discrete signal is

A infinite

B 0 to 1

C one

D zero

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7. If the impulse response of LTI system is absolutely summable then it is called

A Causal

B non- causal

C non stable

D stable

8. A discrete-time system is called linear if only if it satisfies

A non recursive principle

B superposition principle

C recursive principle

D sampling theorem

9. In time scaling property of a signal when $\mu > 1$ then the output signal is called as

A expanded signal

B decaying signal

C growing Signal

D compressed signal

10. The sampling frequency is given by

A $F=f_m$

B $F \leq 2f_m$

C $F \geq 2f_m$

D $F < f_m$

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Quizizz

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Devasena Mohan

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Upgrade to Super

Or refer and earn FREE Super months

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Digital ..

May 18th 2022, 2:28 PM (a month ago)

77% Accuracy

10 Questions

64 Participant Attempts

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Flashcards

Live Dashboard

Participants Questions Overview Tags

Print Download

Showing Best attempt

Sort By: Score

Email all parents

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AERONAUTICAL ENGINEERING

2.3.2 Teachers use ICT enabled tools including online resources for effective teaching and learning process

	2021-2022
Interactive White Boards or Smart Boards	03 Subjects
Flipped Classrooms	----
Google Classroom	11 subjects (Proof Attached herewith)
Virtual Communication Tool	02 (Webex and Google meet)
Digital library	All students from II III & IV Year Aero accessing the Digital Library for Projects
SREC Student APP	All students from II III & IV Year Aero accessing the Student APP

Google class room code with link for 2021-2022

S. No	Faculty Name	Course Code and Title	Year and Batch	Google Classroom Code	Link
1	Dinesh C	20AE203 Aviation Management	I year and 2021 batch	amlvz66	https://classroom.google.com/u/0/c/NDg0Nzg5MDg4OTQ0
		16AE264 Aircraft Design Project	IV Year and 2018 batch	3xqxptq	https://classroom.google.com/u/0/c/MTE0OTYxNTYwNjY2
2	Velmurugan R	16ME217 Finite Element Method	III Year and 2019 batch	2cryp3x	https://classroom.google.com/c/Mzc0NDAwMTA1MzI5
		16AE259 Finite Element Analysis Laboratory	III Year and 2019 batch	tuvgqkv	https://classroom.google.com/c/Mzc2MTE0NTQ4Mzc3
3.	Robin Johny K	16AE214 Compressible Aerodynamics	III Year and 2019 batch	ke74cga	https://classroom.google.com/c/Mzc0NjMxNTkxMDEy
		16AE259 Computational Fluid Dynamics Laboratory	III Year and 2019 batch	l7gvyk6	https://classroom.google.com/c/NDc2MjE4NzkyNTg2
4.	Jayakumar R K	20AE209 Air Breathing Propulsion	II Year and 2020 Batch	rsu63ds	https://classroom.google.com/c/NDU2NDE0NTA1NDE0
5	Siva V	20AE206 Aircraft Systems	II Year and 2020 Batch	3g3kw47	https://classroom.google.com/c/MzclMTAxMTcyMzg1
		16AE221 Vibration and Aero Elasticity	III Year and 2016 Batch	6pmu6ij	https://classroom.google.com/c/NDg0NTU2NDQ1MDg2
6	Sivakumar P	16AE2E05 Industrial Aerodynamics	IV Year and 2018 batch	reu6cs3	https://classroom.google.com/c/MzcxNTg1NzE0NDg3
		16AE2E28 Vehicle Aerodynamics	III Year and 2019 batch	dntkbet	https://classroom.google.com/c/NDU3MDkyNDExOTE5

Criteria Incharge

C. Dinesh
AP(Sr.G) / Aero. Engg.

HoD/Aero 5/4/22