



Kalyani Charitable Trust's

Late G. N. SAPKAL College of Engineering, Nashik.

Sapkal Knowledge Hub, Anjaneri, Tal: Trinbakeshwar, Nashik-422212.



Department of Computer Engineering.

Blog List 2023-24

Sr.No.	Staff Name	Blog Link
1.	Prof. Dr. N.R. Wankhade	https://nileshwankhadeblog.wordpress.com/
2.	Prof. Seema R Baji	https://seemabajil.wordpress.com/
3.	Prof. S R Agarawal	https://sragrawal8.wordpress.com/
4.	Prof. Kaminee R Patil	https://profkrpatil.wordpress.com/
5.	Prof. Shweta D Bagade	https://sknowledge-hub.blogspot.com/
6.	Prof. Pooja. S. Sonar	https://profpsonar.wordpress.com/
7.	Prof. Jyoti S Pawar	https://jyotispawar.blogspot.com/
8.	Prof. Avantika A Mishra	https://avantikamishrabblog.wordpress.com/
9.	Prof. Supriya S Lokhande	https://supriyaslokhande.blogspot.com/
10.	Prof. Vaishali R Lele	https://settheorybyvrlele.blogspot.com/
11.	Prof. Ketki S Mali	https://softwareprojectmanagement-elective.blogspot.com/
12.	Prof Ashwini Patil	https://pushdownautomatanotes.blogspot.com/



Prof. (Dr.) N. R. Wankhade

Head of Computer Department




Civil Engineering Department

List of teachers along with blog name

Sr. No.	Name of the full time teacher	Designation	Name of the department	Blog List
1	Dr Kisan Bidkar	HOD	Civil Engineering	https://kisanbidkar.wordpress.com/
2	Dr. Dayanand P Joshi	Professor	Civil Engineering	http://dayanandpjoshi.wordpress.com
3	Mr. Anantraj Devkumar Hamigi	Asst. Professor	Civil Engineering	http://anantrajhamigi.wordpress.com
4	Mr. Kanhaya Keshavdas Tolani	Asst. Professor	Civil Engineering	http://kanhaiyaktolani.wordpress.com
5	Mr. Rahul Madhukar Jadhav	Asst. Professor	Civil Engineering	http://rahul99268.wordpress.com
6	Mr. Kiran Manikrao Deore	Asst. Professor	Civil Engineering	https://kiranmdcore.wordpress.com/
7	Mr. Pradeep Tulshidas Kumawat	Asst. Professor	Civil Engineering	http://pradeeptkumawat.wordpress.com
8	Mr. Balram Ravindra Lagad	Asst. Professor	Civil Engineering	http://balramlagad.wordpress.com
9	Mr. Ishwar Janardhan Bathe	Asst. Professor	Civil Engineering	http://ishwarbathe.wordpress.com
10	Mrs. Swati Bhaurao Ghadoje	Asst. Professor	Civil Engineering	http://swatighadoje.wordpress.com
11	Mr. Vijay Amrutrao Kuwar	Asst. Professor	Civil Engineering	http://vijaykuwar05.wordpress.com
12	Mrs. Shraddha Hitesh Patel	Asst. Professor	Civil Engineering	http://shraddha88patel.wordpress.com
13	Mr. Bhushan Vilas Tatar	Asst. Professor	Civil Engineering	http://bhushantatar.wordpress.com
14	Mr. Sachin Uttamrao Pagar	Asst. Professor	Civil Engineering	http://sachinpagar.wordpress.com
15	Ms. Prajakta Ravindra Gite	Asst. Professor	Civil Engineering	http://prajaktagite.wordpress.com
16	Mr. Bharat Ashok Bhandarkar	Asst. Professor	Civil Engineering	http://bharatbhandarkar.wordpress.com
17	Mr. Shailesh Jayprakash Pagar	Asst. Professor	Civil Engineering	http://ershailesh09.wordpress.com
18	Mr. Sandip Ananttrao Tupat	Asst. Professor	Civil Engineering	http://sandip.tupat.wordpress.com
19	Mr. Sanket Vitthal Sangale	Asst. Professor	Civil Engineering	http://sanketsangale.wordpress.com
20	Mr. Anil Uttam Mankar	Asst. Professor	Civil Engineering	http://anilmankar.wordpress.com
21	Mrs. Ashwini Jayvantrao Mali	Asst. Professor	Civil Engineering	http://ashwindotmali.wordpress.com
22	Mrs. Savita Anil Thombare	Asst. Professor	Civil Engineering	http://savitathombare.wordpress.com
23	Mrs. Sonam D Thoke	Asst. Professor	Civil Engineering	http://sonamthoke.wordpress.com
24	Mr. Tushar R. Shinde	Asst. Professor	Civil Engineering	http://tusharshinde.wordpress.com
26	Mr. Sharayu P Pawar	Asst. Professor	Civil Engineering	http://sharayupawar.wordpress.com
27	Mr. Chetan S Kankariya	Asst. Professor	Civil Engineering	http://chetankankariya.wordpress.com
28	Ms. Swati Sonawane	Asst. Professor	Civil Engineering	https://swatisonawane.wordpress.com
29	Ms. Neha Patil	Asst. Professor	Civil Engineering	https://nehapatil30.wordpress.com
30	Mr. Abhishek Shimpi	Asst. Professor	Civil Engineering	https://abhishekshimpi30.wordpress.com
31	Dr. Rahul Pardeshi	Asst. Professor	Civil Engineering	https://rahulpardeshi.wordpress.com
32	Mr. Dipak Shelke	Asst. Professor	Civil Engineering	https://dipakdselke.wordpress.com
33	Mrs. Nishigandha Nimse	Asst. Professor	Civil Engineering	http://nishigandhanimse123.wordpress.com


Prof. K. M. Deore
Criteria-II Coordinator




Prof. Dr. K. L. Bidkar
H.O.D, Civil Engineering



KALYANI CHARITABLE TRUST'S

LATE G. N. SAPKAL COLLEGE OF ENGINEERING

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Electronics & Telecommunication Engineering Department

List of teachers along with blog name

Sr. No.	Name of the full time teacher	Designation	Name of the department	Blog List
1	Prof. (Dr.) Sahebrao Bhaurao Bagal	Principal	E & TC Engineering	https://sbbagal.wordpress.com
2	Prof. Sachin Baburao Borse	Asst. Professor	E & TC Engineering	https://sachinborse.wordpress.com
3	Mrs. Manjusha Sachin Borse	Asst. Professor	E & TC Engineering	https://manjushahorse.wordpress.com
4	Mrs. Kavita Jitendra Mahajan	Asst. Professor	E & TC Engineering	https://kjmahajan264.wordpress.com
5	Mr. Sachin Gulabrao Bagul	Asst. Professor	E & TC Engineering	https://sachinbagul.wordpress.com
6	Mr. Subhash Gokul Patil	Asst. Professor	E & TC Engineering	https://subhashpatil1902.wordpress.com
7	Mrs. Jyosna Lalit Pingle	Asst. Professor	E & TC Engineering	https://jyosnamhaske.wordpress.com
8	Mrs. Seema Dineshsingh Raul	Asst. Professor	E & TC Engineering	https://raul229.wordpress.com
9	Mrs. Nimse Aarti Dnyaneshwar	Asst. Professor	E & TC Engineering	http://aatinimse.wordpress.com
10	Mrs. Adita Pravin Patil	Asst. Professor	E & TC Engineering	http://aditapatil.wordpress.com
11	Mrs. Vaishali Dipak Saudagar	Asst. Professor	E & TC Engineering	http://vaishali.saudagar.wordpress.com
12	Mr. Amesh Prabhakar Dhongade	Asst. Professor	E & TC Engineering	http://ameshdhongade.wordpress.com

S.G. Bagul

Prof. S.G. Bagul

Criteria-II Coordinator



S.B. Borse

Prof. S.B. Borse

H.O.D., E&T.C

Department of Electrical Engineering

List of Teacher along with BLOG name

SR. NO.	NAME OF THE STAFF	BLOG LINK
1	Prof.R.N.Baji	https://ravindrabaji.blogspot.com/?m=1
2	Prof. P.R. GAJARE	https://pankajgajre.blogspot.com/?m=1
3	Prof. S. S.TIDKE	https://savitatidake.blogspot.com/?m=1
4	Prof.S.D.Badgujar	http://shwetaelecs.wordpress.com/?p=5
5	Prof.S.R. Wankhede	http://swatibadgujars.wordpress.com
6	Prof.R.U.Pawar	http://ravindrapawar433.wordpress.com
7	Prof.H.R.Kulkarni	http://profhrk.wordpress.com

Dept. Coordinator



H. O. D.



**Kalyani Charitable Trust's
Late G N Sapkal College of Engineering
Applied Science Department**

Sr. No.	Name of the full time teacher	Degination	Name of the Department	Blog List
1	Prof. Bagul Sandeep. G (HOD)	Assistant Professor	Applied Science	sandeepbagul.wordpress.com
2	Prof. Shinde Shital R.	Assistant Professor	Applied Science	http://sh661.wordpress.com
3	Prof. Deshmukh Kirti	Assistant Professor	Applied Science	deshmukhkirti.wordpress.com
4	Prof. Sanjay R. Kumavat	Assistant Professor	Applied Science	https://sites.google.com/view/sanjaykumavat/home
5	Prof. Ugale Archana	Assistant Professor	Applied Science	https://archanaugale17.wordpress.com/2023/10/01/mathematics-i/
6	Prof. Jadhav Tejaswini	Assistant Professor	Applied Science	teju65.wordpress.com
7	Prof. Dinesh Kolhe	Assistant Professor	Applied Science	dineshkolhe20gmail.wordpress.com
8	Prof. Lokhande Mayuri	Assistant Professor	Applied Science	lokhandemayuri.wordpress.com

Prof. (Dr). Sanjay R. Kumavat
Criteria-II Coordinator



Prof. S. G. Bagul
HOD




Department of Mechanical Engineering

List of Teachers along with blog name

Sr. No.	Name of the full time teacher	Designation	Name of the department	Blog List
1	Prof. Tushar Yashawant Badgujar	Associate Professor	Mechanical Engineering	https://profbadgujar.wordpress.com
2	Prof. Sachin Sudhakar Harak	Associate Professor	Mechanical Engineering	http://drsssharak.wordpress.com
3	Mr. Parag Dashrath Jadhav	Asst. Professor	Mechanical Engineering	http://profpdijadhav.wordpress.com/
4	Mr. Kishor Wamanrao Kale	Asst. Professor	Mechanical Engineering	https://profkishorkale.wordpress.com
5	Ms. Poonam Sudhakarrao Talmale	Asst. Professor	Mechanical Engineering	https://poonamtalmale.wordpress.com/
6	Mr. Digambar Bakerao Zoman	Asst. Professor	Mechanical Engineering	https://digambar1986.blogspot.in
7	Mr. Mahesh Narayanrao Adke	Asst. Professor	Mechanical Engineering	https://profmaheshadke.wordpress.com
8	Mr. Rameshwar Balasaheb Hagote	Asst. Professor	Mechanical Engineering	https://rbhagote.wordpress.com/
9	Mr. Mahesh Vitthalrao Jadhav	Asst. Professor	Mechanical Engineering	https://maheshjadhav903086836.wordpress.com
10	Mr. Rahul Rupchand Chaudhari	Asst. Professor	Mechanical Engineering	https://rrrchaudhari.wordpress.com/
11	Mr. Akshay Ganpat Tajane	Asst. Professor	Mechanical Engineering	https://akshaytajane.wordpress.com
12	Mr. Deepak Ramesh Mahajan	Asst. Professor	Mechanical Engineering	https://deepakmahajan730563474.wordpress.com
13	Mrs. Jyoti Abhishek Tidke	Asst. Professor	Mechanical Engineering	https://jyoti701044225.wordpress.com/
14	Mr. Vilas Uttam Elavande	Asst. Professor	Mechanical Engineering	https://elavande.wordpress.com/
15	Mr. Madhav Bhagwat Gophane	Asst. Professor	Mechanical Engineering	https://madhavgophane.wordpress.com/
16	Mr. Gokul Ramdas Jadhav	Asst. Professor	Mechanical Engineering	https://gokulriadhav.wordpress.com/
17	Ms. Geeta Sunil Nemade	Asst. Professor	Mechanical Engineering	https://geetanemade.wordpress.com
18	Mr. Navnath Vasudev Avhad	Asst. Professor	Mechanical Engineering	https://navnathavhad.wordpress.com/
19	Mr. Tushar Sadashiv Kasture	Asst. Professor	Mechanical Engineering	https://kasturetushar.wordpress.com/
20	Mr. Rahul Ramnath Sarode	Asst. Professor	Mechanical Engineering	https://rahulsarode1045.wordpress.com/
21	Mr. Yogesh Dnyaneshwar Tambe	Asst. Professor	Mechanical Engineering	https://yvgtambe.wordpress.com
22	Mr. Parag Gulabrao Chavhan	Asst. Professor	Mechanical Engineering	https://paragchavhan.wordpress.com
23	Mr. Suraj Sadashiv Abhale	Asst. Professor	Mechanical Engineering	https://suraisabhale.wordpress.com
24	Mr. Vishal Bhausaheb Gavali	Asst. Professor	Mechanical Engineering	https://vishalbgavali.wordpress.com
25	Ms. Shital Dilip Patil	Asst. Professor	Mechanical Engineering	https://shitalpatil0389.wordpress.com
26	Ms. Priyanka Rajendra Vispute	Asst. Professor	Mechanical Engineering	https://wordpress.com/post/priya618171389.wordpress.com
27	Satyannarayana Gudla	Asst. Professor	Mechanical Engineering	https://prasadraog.wordpress.com/
28	Mr. Jayraj Sukdev Malekar	Asst. Professor	Mechanical Engineering	https://jayrajmalekar.wordpress.com/
29	Mr. Bhushan Babu Nikam	Asst. Professor	Mechanical Engineering	https://bbnikam.wordpress.com/
30	Mr. Anil Gangadhar Poshetti	Asst. Professor	Mechanical Engineering	https://studymaterial681451255.wordpress.com/
31	Mr. Sachin Sanjay Kushare	Asst. Professor	Mechanical Engineering	https://sachinkushare123.wordpress.com
32	Mr. Chetan Prakash Shinde	Asst. Professor	Mechanical Engineering	https://chetanshinde20.wordpress.com
33	Mr. Santosh Kailas Chandole	Asst. Professor	Mechanical Engineering	https://profsantoshkailaschandole.wordpress.com
34	Mr. Santosh Sahebrao Sarode	Asst. Professor	Mechanical Engineering	https://santoshssarode.wordpress.com
35	Mr. Roshan Gaman Deore	Asst. Professor	Mechanical Engineering	https://computeraidedmachinedrawingroshan.wordpress.com
36	Mr. Ravindra Ramesh Bombale	Asst. Professor	Mechanical Engineering	https://ravindrabombale.wordpress.com/


Prof. C. P. Shinde
CRI II Dept. Head





Prof. T. Y. Badgujar
Head of Dept.

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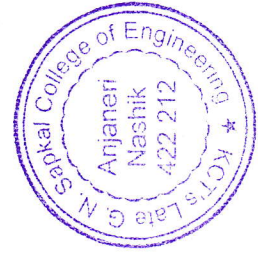



Department of E&TC Engineering

Assessment Tool & Rubrics


Rubrics for Assessment of Case study:

Sr. No.	Name of Method	Evaluation Criteria	Excellent (100%)	Satisfactory (80%)	Poor (20%)	Max
1	Case Study	<p>Involvement & Understanding</p> <p>Report writing & Organization/Presentation of work</p> <p>Timely Submission</p>	<p>1. Good knowledge of the issues.</p> <p>2. Complete analysis.</p> <p>3. Appropriate Answers to Questions.</p>	<p>1. Adequate knowledge of the issues</p> <p>2. Partial analysis</p> <p>3. Answers questions, but often with little insight. -</p> <p>1. Less relevant content</p> <p>2. Fairly appropriate</p> <p>1. Submission within week</p>	<p>1. Inadequate knowledge of the issues</p> <p>2. Incomplete analysis</p> <p>3. Inappropriate Answer</p> <p>1. Inappropriate content</p> <p>2. No formatting</p> <p>1. Late submission</p>	<p>10</p> <p>10</p> <p>5</p>




SAPKAL KNOWLEDGE HUB
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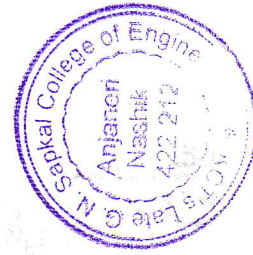
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Department of E&TC Engineering

Evaluation Sheet of Case study:
Digital Signal Processing

Sr. No.	Group No	Roll No	Name of the students	Topic	Involvement & Understanding (10)	Report writing & Organization/ Presentation of work (10)	Timely Submission (05)	Total (25)
1	1	1	MAHAJAN RAJ BHARAT	Implementation of an 8x8 Discrete Cosine Transform	5	7	5	15
2		2	PATIL RITESH RAJESH		5	7	5	15
3		3	SHIMPI NIKHIL DEVANAND		5	6	5	15
4		4	DHIVRE SUMEDH ANNA		5	6	5	15
5		5	WANKHEDE VAIBHAVBHASKAR		5	6	5	15
6		6	AWARE SHREYA NITIN		5	6	5	15
7		7	CHAVAN YOGITA KAMALAKAR		5	6	5	15
8		8	MULE AVINASH DATTU		5	6	5	15
9		9	KADLAG SNEHAL KAILAS		5	6	5	15
10		10	MAHAJAN BHUSHAN KAILAS		5	6	5	15
11		11	PAWAR DEEPAK ARJUN		5	6	5	15
12		12	KHAINAR OM SUDHIR		5	6	5	15
13		13	KHAN MOHAMMAD ALI NASIR		5	6	5	15
14		14	SHAIKH AMAN AKIL		5	6	5	15
15	15	JADHAV PALLAVI SHANKAR	5	6	5	15		
16	2	16	BHAGADE MANOHAR M	Radix-2 FFT Algorithm	5	7	5	15
17		17	PAWAR RUTUJA CHANDRAKANT		5	7	5	15
18		18	BHOSLE PRATIK BHAGWAT		5	7	5	15
19		19	MEDHE ABHJIT RAVIKANT		5	7	5	15
20		20	NIKAM OMKAR SUNIL		5	7	5	15
21		21	KANOJIYA GAURI RAJESH		5	7	5	15
22		22	PATIL KHUSHI HARSING		5	7	5	15
23		23	SURVAVANSHI VAIBHAV B		5	7	5	15
24		24	MAHALE PRATIKSHA PARAJI		5	7	5	15
25		25	BHADANE SANIKA RAJESH		5	7	5	15
26		26	AHIRE SNEHAL AJAY		5	7	5	15
27		27	MUNDHE PRATIK DATTU		5	7	5	15
28		28	PATIL BHAVESH SHRIKANT		5	7	5	15
29		29	MAHAJAN DHANSHREE VIJAY		5	7	5	15
30	30	BOOB SUJAL JITENDRA	5	7	5	15		



31	PAWAR GAURAV MAHENDRA	5	6	5	15
32	JADHAV PRATHAMESH SHRIKANT	6	5	5	15
33	LOHAR BHUSHAN SHITALKUMAR	5	5	5	15
34	RATHOD BHAVIKA UDAY	5	5	5	15
35	BAWA NIRAJ VIJAY	5	5	5	15
36	GAIKWAD GAYATRI NAMDEV	5	5	5	15
37	GAIKWAD INDRA SANJAY	5	5	5	15
38	BHALERAO SANSKRUTI AJAY	5	5	5	15
39	KUTE GANESH TUKARAM	5	5	5	15
40	BHANGARE DAYA VAMAN	5	5	5	15
41	BAVISKAR PRASAD GOKUL	5	5	5	15
42	FUGAT SANGAM ANIL	5	5	5	15
43	RAJGURU UNNATI SANJAY	5	5	5	15
44	BORSE CHIRAYU SURESH	5	5	5	15
45	JACHAK SHREYAS SANTOSH	5	5	5	15
46	JAGALE KAMLESH BHARAT	5	5	5	15
47	TARLE MAYUR SAHEBRAO	5	5	5	15
48	POTE GANESH DNYANESHWAR	5	5	5	15
49	ROUNDAL PRASAD DEEPAK	5	5	5	15
50	VAIRAL APEKSHA ANIL	5	5	5	15
51	JADHAV AKSHADA KAILAS	5	5	5	15
52	SHIRAL NIKITA VASANT	5	5	5	15
53	SIKKALGAR RAASHID MUKHTAR	5	5	5	15
54	DALAVI RUTUJA SUNIL	5	5	5	15
55	RATNAKAR GOPAL PRAKASH	5	5	5	15
56	PATIL ROSHANI KAILAS	5	5	5	15
57	KOTKAR TEJAS AVINASH	5	5	5	15
58	PATIL NILESH KIRAN	5	5	5	15
59	RAUT SNEHA SANTOSH	5	5	5	15
60	PATIL SANIKA SOPAN	5	5	5	15
61	GAIKWAD NIKHIL BALASAHEB	5	5	5	15
62	RUMME SUSHIL SANJAY	5	5	5	15
63	KOLTE PRASAD DEELIP	5	5	5	15
64	MAHAJAN CHANDAN ASHOK	5	5	5	15
65	WAGHMARE ANIKET ASHOK	5	5	5	15



ECG Analysis

Application of DSP for ECG
Signal Analysis

[Signature]
Prof. S. G. Bagul
Subject Incharge

[Signature]
Prof. S. B. Borse
H.O.D., E&T.C., Department

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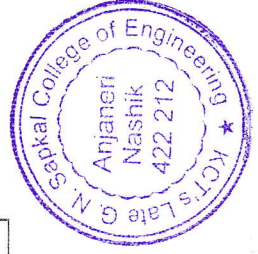
Department of E&TC Engineering

Case Study:

Sr. No.	Result Analysis	Total
1	No. of Student completed assessment	65
2	Number of Student Scoring above 80%	45
3	Number of Student Scoring above 20%	20

(Share a Google form with following questioner)

Sr. No.	Impact Analysis	Excellent	Good	Fair
1	Was the activity helpful?	40	20	5
2	Did you cover the objective during the activity?	65	-	-
3	Are you able to find the application/ use of concept covered?	50	10	05
4	Does this helpful for building a good team?	65	-	-
5	Grade the activity in terms of knowledge gain, communication improvement.	50	10	05



Case study on
ECG Analysis

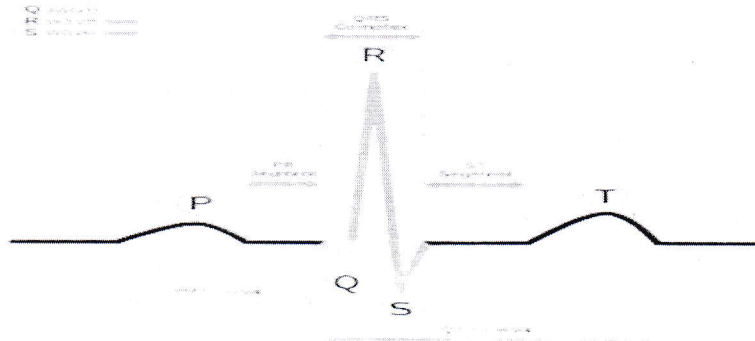
Class – T.E. E&TC
Subject: DSP

Academic Year: 2023-24
Div: - A

To analyze the ECG signal using Mat Lab

An electrocardiogram (ECG or EKG) records the electrical signal from the heart to check for different heart conditions. Electrodes are placed on the chest to record the heart's electrical signals, which cause the heart to beat.

Electrocardiography is the process of producing an electrocardiogram (ECG or EKG), a recording of the heart's electrical activity through repeated cardiac cycles. It is an electrogram of the heart which is a graph of voltage versus time of the electrical activity of the heart using electrodes placed on the skin. These electrodes detect the small electrical changes that are a consequence of cardiac muscle depolarization followed by repolarization during each cardiac cycle (heartbeat). Changes in the normal ECG pattern occur in numerous cardiac abnormalities, including cardiac rhythm disturbances (such as atrial fibrillation and ventricular tachycardia, inadequate coronary artery blood flow (such as myocardial ischemia and myocardial infarction, and electrolyte disturbances (such as hypokalemia and hyperkalemia).



Traditionally, "ECG" usually means a 12-lead ECG taken while lying down as discussed below. However, other devices can record the electrical activity of the heart such as a Holter monitor but

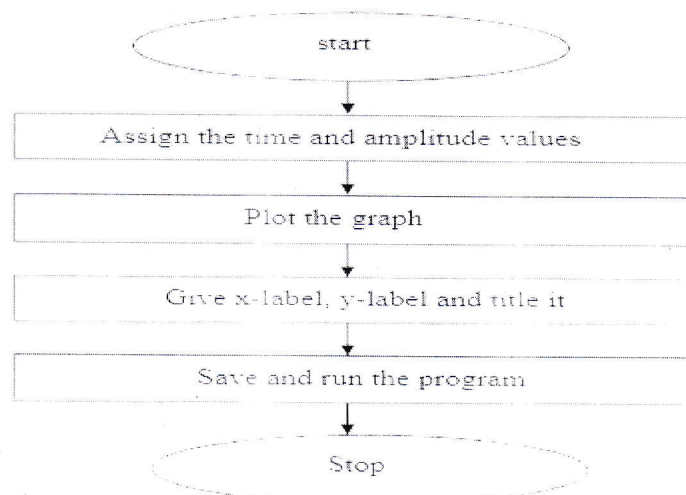
also some models of smartwatch are capable of recording an ECG. ECG signals can be recorded in other contexts with other devices.

In a conventional 12-lead ECG, ten electrodes are placed on the patient's limbs and on the surface of the chest. The overall magnitude of the heart's electrical potential is then measured from twelve different angles ("leads") and is recorded over a period of time (usually ten seconds). In this way, the overall magnitude and direction of the heart's electrical depolarization is captured at each moment throughout the cardiac cycle.

There are three main components to an ECG: the P wave, which represents depolarization of the atria; the QRS complex, which represents depolarization of the ventricles; and the T wave, which represents repolarization of the ventricles.

During each heartbeat, a healthy heart has an orderly progression of depolarization that starts with pacemaker cells in the sinoatrial node, spreads throughout the atrium, and passes through the atrioventricular node down into the bundle of His and into the Purkinje fibers, spreading down and to the left throughout the ventricles. This orderly pattern of depolarization gives rise to the characteristic ECG tracing. To the trained clinician, an ECG conveys a large amount of information about the structure of the heart and the function of its electrical conduction system.

Flow chart:





KCT's
Sapkal Knowledge Hub
Late G. N. Sapkal College of Engineering Nashik
Department of E&TC Engineering



Program:

```
x=[0,0,0,0.5,0.7,0.8,0.7,0.5,0,0,-1,-1.5,1,2,4,6,4,2,1,-1,-2,-  
4,0,0,0,0.2,0.4,0.8,0,0,0,0,0,0,0.5,0.7,0.8,0.7,0.5,0,0,-1,-  
1.5,1,2,4,6,4,2,1,-1,-2,-  
4,0,0,0,0.2,0.4,0.8,0,0,0,0,0,0,0.5,0.7,0.8,0.7,0.5,0,0,-1,-  
1.5,1,2,4,6,4,2,1,-1,-2,-  
4,0,0,0,0.2,0.4,0.8,0,0,0,0,0,0,0.5,0.7,0.8,0.7,0.5,0,0,-1,-  
1.5,1,2,4,6,4,2,1,-1,-2,-  
4,0,0,0,0.2,0.4,0.8,0,0,0,0,0,0,0.5,0.7,0.8,0.7,0.5,0,0,-1,-  
1.5,1,2,4,6,4,2,1,-1,-2,-  
4,0,0,0,0.2,0.4,0.8,0,0,0,0,0,0,0.5,0.7,0.8,0.7,0.5,0,0,-1,-  
1.5,1,2,4,6,4,2,1,-1,-2,-4,0,0,0,0.2,0.4,0.8,0,0,0,0]
```

```
subplot(3,2,1);  
plot(x);  
xlabel('time');  
ylabel('amplitude');  
title('ecg');  
e=randn(80,1);  
subplot(3,2,2);  
plot(e);  
xlabel('time');  
ylabel('amplitude');  
title('random noise');  
y=conv(x,e);  
subplot(3,2,3);  
plot(y);  
title('noisy signal');  
h=[1 1 1 1 1]/6;  
y1=conv(h,y);  
subplot(3,2,4);  
plot(y1);  
xlabel('time');  
ylabel('amplitude');  
title('fitered  
y2=fft(y1);  
subplot(3,2,5);
```

output');



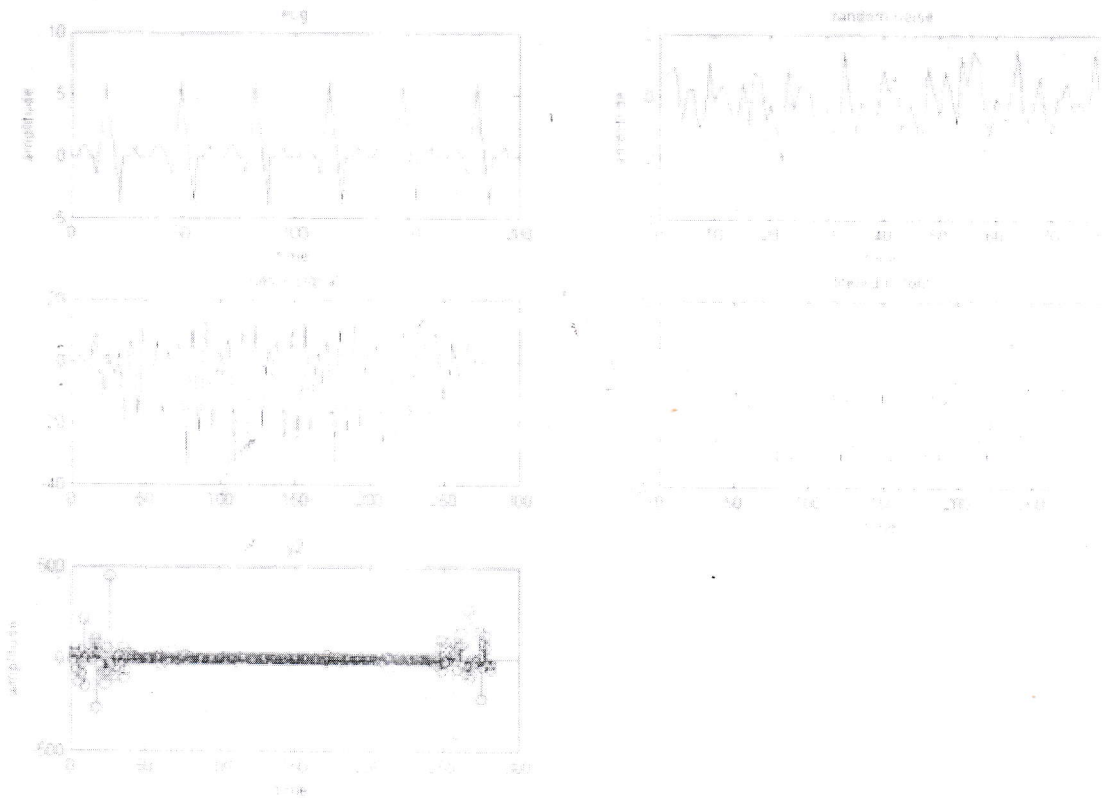


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```
stem(y2);  
xlabel('time');  
ylabel('amplitude');  
title('y2');
```

ECG Signal:



S.G. Bagul

Prof. Sachin G. Bagul
Subject Teacher

S.B. Borse

Prof. S.B. Borse
H.O.D





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Department of Electronics and Telecommunication Engineering

Debate Competition TE E&T.C Sem-I 2023-2024

Group-A		Group-B	
ET23D3A01	MAHAJAN RAJ BHARAT	ET23F3A16	BHAGADE MANOHAR MINANATH
ET23D3A02	PATIL RITESH RAJESH	ET23F3A17	PAWAR RUTUJA CHANDRAKANT
ET23D3A03	SHIMPI NIKHIL DEVANAND	ET23D3A18	BHOSLE PRATIK BHAGWAT
ET23D3A04	DHIVRE SUMEDH ANNA	ET23D3A19	MEDHE ABHIJIT RAVIKANT
ET23D3A05	WANKHEDE VAIBHAVBHASKAR	ET23D3A20	NIKAM OMKAR SUNIL
ET23D3A06	AWARE SHREYA NITIN	ET23D3A21	KANOJIYA GAURI RAJESH
ET23D3A07	CHAVAN YOGITA KAMALAKAR	ET23F3A22	PATIL KHUSHI HARSING
ET23D3A08	MULE AVINASH DATTU	ET23D3A23	SURYAVANSHI VAIBHAV BHAUSAHEB
ET23D3A09	KADLAG SNEHAL KAILAS	ET23D3A24	MAHALE PRATIKSHA PARAJI
ET23D3A10	MAHAJAN BHUSHAN KAILAS	ET23D3A25	BHADANE SANIKA RAJESH
ET23D3A11	PAWAR DEEPAK ARJUN	ET23D3A26	AHIRE SNEHAL AJAY
ET23D3A12	KHAIRNAR OM SUDHIR	ET23D3A27	MUNDHE PRATIK DATTU
ET23D3A13	KHAN MOHAMMAD ALI NASIR	ET23D3A28	PATIL BHAVESH SHRIKANT
ET23D3A14	SHAIKH AMAN AKIL	ET23D3A29	MAHAJAN DHANSHREE VIJAY
ET23D3A15	JADHAV PALLAVI SHANKAR	ET23D3A30	BOOB SUJAL JITENDRA

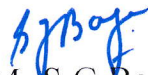
Topic:- DSP vs Analog Signal Processing

Rules:-


- 1) Students should debate only in English no other language is allowed.
- 2) Each group will given a time of 5 minutes for debate.

Judgement will be done on following points:-

Clarity of thoughts, fluency, argumentative skills, body language and time management.


Mr S.G. Bagul
Subject Incharge




Prof S.B. Borse
H.O.D, E&T.C



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Department of Electronics and Telecommunication Engineering


Debate Competition TE E&T.C Sem-I 2023-2024

	Result	
	Group-A	Group-B
Clarity of thoughts	7	8
fluency	7	9
argumentative skills	8	8
body language	7	8
time management.	7	8
	36	41

Winner Team:-

Group B


Mr S.G.Bagul
Subject Incharge


Prof S.B.Borse
H.O.D, E&T.C





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Department of Electronics and Telecommunication Engineering

TE E&T.C DSP-Debate 23-24 Sem-1

Attendance,

Date: 19/7/23

Class: TE

Roll.No	Name of Student	sign	Roll.No	Name of Student	sign
ET23D3A01	MAHAJAN RAJ BHARAT	—	ET22D2A37	LOHAR BHUSHAN SHITALKUMAR	Leh
ET23D3A02	PATIL RITESH RAJESH	Ritish	ET22D2A38	AHIRE SNEHAL AJAY	Ahires
ET23D3A03	SHIMPI NIKHIL DEVANAND	Ns	ET22D2A39	KADLAG SNEHAL KAILAS	Budlag
ET23D3A04	DHIVRE SUMEDH ANNA	Sumedh	ET22D2A40	RATHOD BHAVIKA UDAY	Rat
ET23D3A05	WANKHEDE VAIBHAVBHASKAR	Wankhede	ET22D2A41	MULE AVINASH DATTU	Mule
ET23D3A06	AWARE SHREYA NITIN	Aware	ET22D2A42	ROUNDAL PRASAD DEEPAK	Deepak
ET23D3A07	CHAVAN YOGITA KAMALAKAR	Chavan	ET22D2A43	VAIRAL APEKSHA ANIL	Vairal
ET23D3A08	MULE AVINASH DATTU	Mule	ET22D2A44	PATIL NILESH KIRAN	Patil
ET23D3A09	KADLAG SNEHAL KAILAS	Budlag	ET22D2A45	BORSE CHIRAYU SURESH	Borse
ET23D3A10	MAHAJAN BHUSHAN KAILAS	Bhushan	ET22D2A46	JACHAK SHREYAS SANTOSH	Jachak
ET23D3A11	PAWAR DEEPAK ARJUN	Deepak	ET22D2A47	MEDHE ABHIJIT RAVIKANT	Medhe
ET23D3A12	KHAIRNAR OM SUDHIR	Khairnar	ET22D2A48	SHIRAL NIKITA VASANT	Shiral
ET23D3A13	KHAN MOHAMMAD ALI NASIR	Kh	ET22D2A49	BHANGARE DAYA VAMAN	Bhangare
ET23D3A14	SHAIKH AMAN AKIL	Am	ET22D2A50	BHOSLE PRATIK BHAGWAT	Bhosle
ET23D3A15	JADHAV PALLAVI SHANKAR	Jadhav	ET22D2A51	BHALERAO SANSKRUTI AJAY	Bhalerao

Prof.S.G.Bagul

Subject In charge

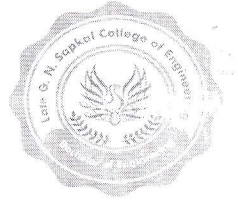


Prof S.B.Borse

H.O.D



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Evaluation of Group Discussion

Class – T.E. E&TC

Academic Year: 2023-24

Subject: Digital Signal Processing

Div: - A

Title of GD Topic:

Date: 23-08-2023


WHY HAS DIGITAL SIGNAL PROCESSING BECOME SO POPULAR?


Description about Group Discussion:

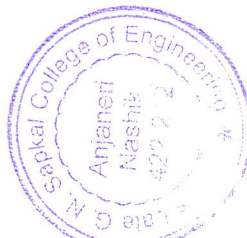
When compared to the processing of analog signals, digital signal processing techniques are advanced and easy to process. So it is necessary to understand the merits of digital signal processing systems.

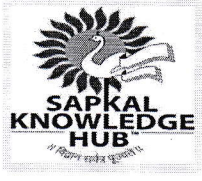
Evaluation of Participants:

Team- A						
Roll No	Speaking English 10	Content/Style 10	Team Spirit 10	Body Language 10	Initiative 10	Total Mark 50
ET23D3A05	7	8	8	8	7	38
ET23D3A11	8	8	7	7	7	37
ET23D3A12	9	8	8	7	8	40
ET23F3A22	9	7	8	7	7	38
ET23D3A24	8	6	7	7	6	34
Team- B						
Roll No						
ET23D3A08	9	8	7	7	7	38
ET23F3A16	7	7	8	7	8	37
ET23F3A17	9	9	7	7	7	39
ET23D3A18	8	7	7	7	7	36
ET23D3A40	8	8	9	7	7	39


Prof.S.G.Bagul
Subject Teacher


Prof.S.B.Borse
H.O.D





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Department of Mechanical Engineering

Debate Competition BE Mechanical Sem-I 2022-2023

Group-A		Group-B	
1	BHAVALA AAKANKSHA SUNIL	1	KERE SANKET PRAKASH
2	BHAVAR KIRAN DEVIDAS	2	KHAIRNAR RUTIK KAKAJI
3	CHAKOR SUDARSHAN BALU	3	KHAIRNAR SAYALI ARUN
4	CHAUDHARI TEJAS ATUL	4	KUMAVAT PRANIT GORAKH

1. Topic:- The environmental impact of new technology and the role of engineers in sustainable design.

Rules:-

- 1) Students should debate only in English no other language is allowed.
- 2) Each group will given a time of 5 minutes for debate.

Judgement will be done on following points:-

Clarity of thoughts, fluency, argumentative skills, body language and time management.

Prof. C. P. Shinde
Subject Incharge



Prof. T. Y. Badgujar
H.O.D, Computer



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Department of Mechanical Engineering

Debate Competition BE Mechanical Sem-I 2022-2023

Result

	Group-A	Group-B
Clarity of Thoughts (10)	7	9
Fluency (10)	8	8
Argumentative Skills (10)	7	9
Body Language (10)	8	8
Time Management. (10)	7	9

Winner Team:- B

Prof. C. P. Shinde
Subject Incharge



Prof. T. Y. Badgujar
H.O.D, Computer

Department of Computer Engineering

Debate Competition TE Computer Sem-I 2022-2023

Group-A		Group-B	
1	Siddhesh Shivade	1	Kalyani Kakulte
2	Shubham Wani	2	Sanket Kalokhe
3	Mithun Adhe	3	Alish Shaikh


1. Topic:- Impact of social media on mental well-being.

Rules:-

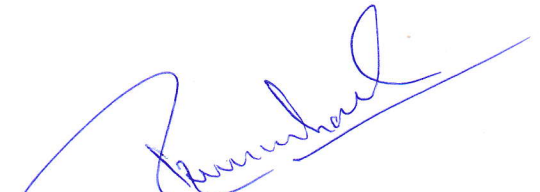
- 1) Students should debate only in English no other language is allowed.
- 2) Each group will given a time of 5 minutes for debate.

Judgement will be done on following points:-

Clarity of thoughts, fluency, argumentative skills, body language and time management.



Prof. Dr N R Wankhade
Subject Incharge



Prof. Dr N R Wankhade
H.O.D, Computer



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Department of Computer Engineering

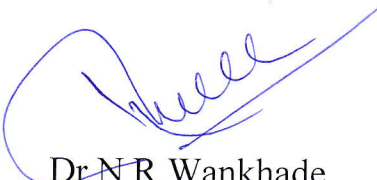
Debate Competition TE Computer Sem-I 2022-2023

Result

	Group-A	Group-B
Clarity of thoughts (10)	08	09
fluency (10)	07	08
argumentative skills (10)	06	08
body language (10)	08	09
time management. (10)	06	08

Winner Team:-

B


Dr N R Wankhade
Subject Incharge




Prof. Dr N R Wankhade
H.O.D, Computer

Evaluation of Group Discussion

Class – T.E. Mechanical

Academic Year: 2022-23 SEM:II

Subject: Artificial Intelligence and Machine Learning

Div: - A

Title of GD Topic: Artificial Intelligence (AI) - Pros and Cons Date: 25/1/2023

Description about Group Discussion:

Artificial Intelligence is a concept which refers to the programming which can make machines intelligent. In simpler terms, the program or machine is made in such a way that it keeps on learning with whatever output the machine creates.

Evaluation of Participants:

Team- A						
Roll No	Speaking English 10	Content/Style 10	Team Spirit 10	Body Language 10	Initiative 10	Total Marks 50
01	9	8	9	8	9	8
05	8	9	7	9	9	7
06	8	8	8	8	8	8
11	9	9	9	8	9	9
12	8	9	8	7	8	8
Team- B						
02	7	7	9	9	8	7
08	8	7	8	8	9	7
23	7	7	7	7	7	8
27	8	8	8	8	8	7
29	9	7	7	9	9	8
45	7	8	8	8	8	7

Winner- Team **A**.....

Shinde
Prof. C. P. Shinde
Subject Teacher



Evaluation of Group Discussion

Class – T.E. Computer

Academic Year: 2022-23

Subject: Computer Network

Div: - A

Title of GD Topic:

Date: 25/8/2022

Social Media: Is India Prepared for Cyber Attacks

Description about Group Discussion:

India has taken several legislative and organizational measures to bolster its cyber defense and effectively respond to cybercrime. There are two legislations: The Information Technology Act 2000, provides the legal framework for addressing cybercrimes and cyber attacks.

Evaluation of Participants:

Team- A						
Roll No	Speaking English 10	Content/Style 10	Team Spirit 10	Body Language 10	Initiative 10	Total Marks 50
50	9	8	9	8	8	42
45	8	9	8	8	8	41
74	8	9	9	8	8	42
23	8	8	8	8	9	41
60	8	9	8	9	8	42
Team- B						
1	8	8	8	7	7	38
22	7	8	7	7	7	36
29	7	7	8	8	8	38
72	7	7	8	8	7	37
65	7	7	7	7	7	35

Winner- Team ..A....

Dr N R Wankhade
Subject Teacher



Academic Year 2022-23

BE Computer

Attendance for BI Quiz

Roll No.	Name of Students	Mar ks	Roll No.	Name of Students	Mar ks
1	ABDULE CHAITANYA RAJU	AB	44	LANDAGE SAKSHI DATTU	08
2	AHER AMOD VINOD	10	45	MAHAJAN CHANDRAKANT SHANTILAL	09
3	AHER BHAKTI SURESH	09	46	MAHAJAN JAGRUTI GANGADHAR	AB
4	AHIRE BHUSHAN POPAT	10	47	MAHALE JAGDISH RAVINDRA	10
5	AHIRE PANKAJ NANAJI	11	48	MENE AADITYA KISHOR	14
6	ANDUDGE NILESH VIJAYKUMAR	08	49	MORE KAREEANA RAJENDRA	13
7	ATTARDE TEJAS KISHOR	07	50	NANNAVARE MANSI RAVINDRA	10
8	AVHAD MADHURI RAMKRUSHNA	AB	51	NATHE VAISHNAVI MADHUKAR	AB
9	BARASKAR VAIDEHI GANESH	14	52	NEMADE GUNJALI ANIL	AB
10	BHOYE HEMANT SHANKAR	13	53	NIKAM SHUBHAM GANESH	09
11	BIDVE VAISHNAVI MANOHAR	10	54	PAGAR TEJAS BHAGWANT	09
12	BORASE RAHUL DEVIDAS	09	55	PAGARE GAUTAMEE PRAVIN	08
13	BORGUDE SAKSHI ANANDA	08	56	PATEL PURVA RAJENDRA	10
14	BORKAR NAVNATH SANJAY	10	57	PATIL DURGESH MAHENDRA	11
15	CHAUDHARI SHUBHAM SITARAM	13	58	PATIL GAURAV ARUN	07
16	CHAVAN SUSHANT SURESH	12	59	PATIL HARSHAL KANTILAL	05
17	CHORDIYA MOHIT MUKESH	08	60	PATIL SAYLI DAYARAM	04
18	DALVI POOJA DEEPAK	10	61	PATIL VINAY PRADIP	08
19	DEORE HARSH PRASHANT	09	62	PAWAR SALONI ROHIDAS	10
20	DEORE NAKUL KARAMSINGH	11	63	RASAL PRIYANKA MUKUND	11
21	DESAI AKANKSHA SOMNATH	13	64	SALVE SAIYAMEE SANTOSH	09
22	DHURJAD ADARSH DIGAMBAR	10	65	SANGNALE SURAJ PRALHAD	10

23	DINGE PURVA JAGDISH	14	66	SAPKAL APURVA SUNIL	14
24	GAHIWADE SAURABH RAVINDRA	07	67	SHAIKH SANIYA ASIF	13
25	GAIDHANI VIKAS SADASHIV	AB	68	SHARDUL SANDESH ARUN	12
26	GAIKWAD MAHESH PANDHARINATH	07	69	SHARDUL VAISHNAVI CHANDRAKANT	AB
27	GANGURDE PRIYANKA SAHEBRAO	AB	70	SHEWALE KUNAL BANDU	AB
28	GHODERAO PRATIKSHA APPASAHEB	AB	71	SHINDE VAISHNAVI SURESH	09
29	GHORPADE SAKSHI SANJAY	08	72	SHIRUDE GAURAV VISHVJEET	10
30	GOSAVI GAURI SANJAY	09	73	SONAWANE ADITYA ANIL	11
31	GOVARDHANE AAKASH DNYANESHWAR	AB	74	SONAWANE SNEHA ARUN	08
32	GULGULAWALA MURTAZA MANNAN	10	75	SONJE ANKITA CHANDRAKANT	14
33	JADHAV NAMRATA RAVINDRA	08	76	TAMBOLI AADIL SHABBIR	12
34	JADHAV PRANALI MANIK	07	77	THAKARE VEDASHREE EKNATH	09
35	JADHAV PRATIKSHA RAMESH	AB	78	THAKUR TANMAY	AB
36	JADHAV SUYOG LAXMAN	06	79	TIDKE KSHITIJ GOPAL	10
37	JADHAV YASHRAJ RAMESH	10	80	WAGH ADITI PRAKASH	08
38	KANAWADE ADITYA RAMESH	08	81	WAGHODE SUSHAMA SIDDHARTH	AB
39	KARAVATE PRATIKSHA BHAGAWAN	AB	82	YASA MAHESH RAMESH	09
40	KASTURE NIKITA RAJENDRA	07	83	OZARKAR ANIKET DEVIDAS	AB
41	KATE SHIVAM SANJAY	06	84	ANKITA PENDHARKAR	AB
42	KHAIRNAR PRASHANT DADAJI	05			
43	KOKATE RUTUJA GORAKH	08			

Patil

Prof.K. R. Patil

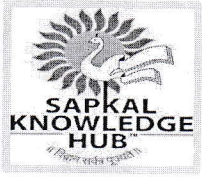
Class Coordinator

N. R. Wankhade

Head of Department

Prof. (Dr.) S. B. Bagal

Principal



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Department of Computer Engineering
Business Intelligence Quiz Competition

BE Computer Sem-II 2022-23

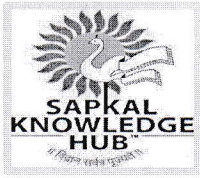
Name of Student: Tidke Kshiti Gopal

Roll No: 79

Total Marks: 20

1. KPI stands for?
a) Key Performance Indicators c) Key Processes Identifier
b) Key Performance Identifier d) Key Processes Indicators
2. Which of the following areas are affected by BI?
a) Revenue b) CRM c) Sales d) CPM
3. BI is a category of database software that provides an interface to help users quickly and interactively scrutinize the results in a variety of dimensions of the data
a) TRUE b) FALSE c) Can be true or false d) Cannot say
4. _____ technique used to predict future behavior and anticipate the consequences of change.
a) predictive modeling b) disaster recovery
c) predictive technology d) Digital Silhouettes
5. Which type of data models are used by databases configured for OLAP?
a) Multidimensional b) Single dimensional
c) Two dimensional d) Three dimensional
6. This is a broad category of applications and technologies for gathering, storing, analyzing, and providing access to data to help enterprise users make better business decisions _____
a) Data mart b) Data mining

08
20



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e) Business intelligence d) Artificial intelligence

7. _____ is a performance management tool that recapitulates an organization's performance from several standpoints on a single page

a) Data Cube b) Balanced Scorecard c) Dashboard d) All of above

8. Point out the correct statement.

a) OLAP is an umbrella term that refers to an assortment of software applications for analyzing an organization's raw data for intelligent decision making

b) Business intelligence equips enterprises to gain business advantage from data

c) BI makes an organization agile thereby giving it a lower edge in today's evolving market condition

d) None of the mentioned

9. PCA is _____

a) forward feature selection

c) feature extraction

b) backward feature selection

d) all of the above

10. The branch of AI, NLP, deals with

a) Natural Language Understanding and Natural Language generation

b) Only Natural Language Understanding

c) Only Natural Language generation

d) Computer Programming

11. In data mining, _____ a technique used to predict future behavior and anticipate the consequences of change.

a) Predictive technology

c) Disaster recovery

b) Predictive modelling

d) Phase change

12. _____ technique used to predict future behavior and anticipate the consequences of change.

a) predictive modeling

e) predictive technology

b) disaster recovery

d) Digital Silhouettes



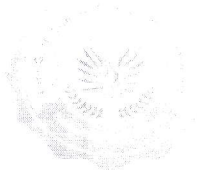
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13. Heterogeneous databases referred to
- a) A set of databases from different vendors, possibly using different database paradigms
 - b) An approach to a problem that is not guaranteed to work but performs well in most cases
 - c) Information that is hidden in a database and that cannot be recovered by a simple SQL query
 - d) None of these
14. ROC curve stands for _____
- a) Regression Optimization Characteristic
 - b) Regression Operating Characteristic
 - c) Receiver Operating Chart
 - d) Receiver Optimal Characteristic
15. NLP stands for _____
- a) Non-Language Process
 - b) Nature Level Program
 - c) Natural Language Page
 - d) Natural Language Processing
16. Capability of data mining is to build _____ models.
- a) retrospective
 - b) interrogative
 - c) predictive
 - d) imperative
17. A person trained to interact with a human expert in order to capture their knowledge is known as _____.
- a) knowledge programmer
 - b) knowledge developer
 - c) knowledge engineer
 - d) knowledge extractor
18. The Apriori algorithm is a _____.
- a) top-down search
 - b) breadth first search
 - c) depth first search
 - d) bottom-up search
19. The first phase of A Priori algorithm is _____.
- a) candidate generation
 - b) itemset generation
 - c) pruning
 - d) partitioning
20. Which of the following is an operation in genetic algorithm?
- a) Inversion
 - b) Dominance
 - c) genetic edge recombination
 - d) all of the above



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Quiz Competition

Class – T.E. E&TC

Academic Year: 2023-24

Subject: Digital Signal Processing

Div: - A

1. As compared to the analog systems, the digital processing of signals allow

- 1) Programmable operations 2) Flexibility in the system design
3) Cheaper systems 4) More reliability

1. 1, 2 and 3 are correct 2. 1 and 2 are correct 3. 1, 2 and 4 are correct 4. All the four are correct

2. Two vectors a, b are orthogonal if

1. $a \cdot b = 0$ 2. $a \cdot b = 1$ 3. $\langle a, b \rangle = -\langle a, b \rangle$ 4. $\langle a, b \rangle = \langle a, b \rangle$

3. The similarity between the Fourier transform and the z transform is that

1. Both convert frequency spectrum domain to discrete time domain
2. Both convert discrete time domain to frequency spectrum domain
3. Both convert analog signal to digital signal
4. Both convert digital signal to analog signal

4. Z-Transform of sequence $x(n) = \{1, 2, 4, 5, 0, 7\}$ is

1. $X(Z) = 1 + 2/Z + 4/Z^2 + 5/Z^3 + 7/Z^5$
2. $X(Z) = 2/Z + 4/Z^2 + 5/Z^3 + 7/Z^5$
3. $X(Z) = 1 + 4/Z^2 + 5/Z^3 + 7/Z^5$
4. $X(Z) = 1$

5. Z.T of $x(n) = (n+1)u(n)$ is

1. $Z/(Z-1)^2 + Z/(Z-1)$,
2. $Z/(Z-1)^2 - Z/(Z-1)$,
3. $Z/(Z-1)^3 - Z/(Z-1)$
4. $Z/(Z-1)^2 + Z/(Z+1)$,

6. What is the nyquist rate of the signal $x(t) = 3\cos(50\pi t) + 10\sin(300\pi t) - \cos(100\pi t)$?


1. 50Hz 2. 100Hz 3. 150Hz 4. 300Hz

7. An LTI system having system function $H(z)$ stable if and only if all the poles of $H(z)$ are _____ the unit circle

1. Outside
2. ON
3. Inside
4. None of the above



8. for recovery of signal , ideal low pass filter is used.It is also called as ----- filter
1. Outside 2. ON 3. Inside 4. None of the above
9. for recovery of signal , ideal low pass filter is used.It is also called as ----- filter
1. high pass 2. Notch 3. Bandpass 4. Reconstruction
10. Aliasing takes place if F_s is -----
1. $=W$ 2. $< 2W$ 3. $> 2W$ 4. $\geq 2W$
11. What is the ROC of the signal $x(n)=\delta(n-k)$, $k>0$?
1) $z=0$ 2) $z=\infty$ 3) Entire z -plane, except at $z=0$ 4) Entire z -plane, except at $z=\infty$
- 12) What is the ROC of the system function $H(z)$ if the discrete time LTI system is BIBO stable?
1. Entire z -plane, except at $z=0$ 2. Entire z -plane, except at $z=\infty$
3. Contain unit circle 4. None of the mentioned
- 13) The ROC of z -transform of any signal cannot contain poles.
a) True b) False
- 14) Which of the following justifies the linearity property of z -transform? $[x(n)\leftrightarrow X(z)]$.
1) $x(n)+y(n) \leftrightarrow X(z)Y(z)$ 2) $x(n)+y(n) \leftrightarrow X(z)+Y(z)$
3) $x(n)y(n) \leftrightarrow X(z)+Y(z)$ 4) $x(n)y(n) \leftrightarrow X(z)Y(z)$
- 15) Determine the Nyquist rate of the signal $x(t) = 1 + \cos 2000\pi t + \sin 4000\pi t$.
a) 2000 Hz b) 4000 Hz c) 1 Hz d) 6000 Hz



Prof. Sachin G. Bagul
Subject Teacher



Prof. S.B. Borse
H.O.D





**KALYANI CHARITABLE TRUST'S
LATE G. N. SAPKAL COLLEGE OF ENGINEERING**

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DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

Quiz Attendance

Subject: Digital Signal Processing

Class: TE(E&TC)

AT

Roll.No	Name	Marks	Roll.No	Name	Marks
ET23D3A01	MAHAJAN RAJ BHARAT	11	ET23D3A34	RATHOD BHAVIKA UDAY	10
ET23D3A02	PATIL RITESH RAJESH	12	ET23D3A35	BAWA NIRAJ VIJAY	12
ET23D3A03	SHIMPI NIKHIL DEVANAND	12	ET23D3A36	GAIKWAD GAYATRI NAMDEV	10
ET23D3A04	DHIVRE SUMEDH ANNA	10	ET23D3A37	GAIKWAD INDRA SANJAY	10
ET23D3A05	WANKHIEDE VAIBHAVBHASKAR	10	ET23D3A38	BHALERAO SANSKRUTI AJAY	12
ET23D3A06	AWARE SHREYA NITIN	10	ET23D3A39	KUTE GANESHI TUKARAM	12
ET23D3A07	CHAVAN YOGITA KAMALAKAR	10	ET23D3A40	BHANGARE DAYA VAMAN	13
ET23D3A08	MULE AVINASH DATTU	9	ET23D3A41	BAVISKAR PRASAD GOKUL	12
ET23D3A09	KADLAG SNEHAL KAILAS	9	ET23D3A42	FUGAT SANGAM ANIL	10
ET23D3A10	MAHAJAN BHUSHAN KAILAS	8	ET23D3A43	RAJGURU UNNATI SANJAY	12
ET23D3A11	PAWAR DEEPAK ARJUN	9	ET23D3A44	BORSE CHIRAYU SURESH	12
ET23D3A12	KHAIRNAR OM SUDHIR	10	ET23D3A45	JACHAK SHIREYAS S	12
ET23D3A13	KHAN MOHAMMAD ALI NASIR	10	ET23D3A46	JAGALE KAMLESH BHARAT	10
ET23D3A14	SHAIKH AMAN AKIL	10	ET23D3A47	TARLE MAYUR SAHEBRAO	9
ET23D3A15	JADHAV PALLAVI SHANKAR	10	ET23D3A48	POTE GANESH DNYANESHWAR	8
ET23F3A16	BHAGADE MANOHAR MINANATH	11	ET23D3A49	ROUNDAL PRASAD DEEPAK	10
ET23F3A17	PAWAR RUTUJA CHANDRAKANT	12	ET23D3A50	VAIRAL APEKSHA ANIL	10
ET23D3A18	BHOSLE PRATIK BHAGWAT	12	ET23D3A51	JADHAV AKSHADA KAILAS	10
ET23D3A19	MEDHE ABHIJIT RAVIKANT	12	ET23D3A52	SHIRAL NIKITA VASANT	10
ET23D3A20	NIKAM OMKAR SUNIL	13	ET23D3A53	SIKKALGAR RAASHID MUKHTAR	11
ET23D3A21	KANOJIYA GAURI RAJESH	12	ET23D3A54	DALAVI RUTUJA SUNIL	12
ET23F3A22	PATIL KHUSHI HARSING	12	ET23D3A55	RATNAKAR GOPAL PRAKASH	12
ET23D3A23	SURYAVANSHI VAIBHAV BHAUSAHEB	12	ET23D3A56	PATIL ROSHANI KAILAS	13
ET23D3A24	MAHALE PRATIKSHA PARAJI	12	ET23D3A57	KOTKAR TIJAS AVINASH	14
ET23D3A25	BHADANE SANIKA RAJESH	12	ET23D3A58	PATIL NILESH KIRAN	10
ET23D3A26	AHIRE SNEHAL AJAY	10	ET23D3A59	RAUT SNEHA SANTOSH	10
ET23D3A27	MUNDHE PRATIK DATTU	11	ET23D3A60	PATIL SANIKA SOPAN	9
ET23D3A28	PATIL BHAVESH SHRIKANT	11	ET23D3A61	GAIKWAD NIKHIL BALASAHEB	9
ET23D3A29	MAHAJAN DHANSHREE VIJAY	12	ET23D3A62	RUMNE SU SHIL SANJAY	10
ET23D3A30	BOOB SUJAL JITENDRA	12	ET23D3A63	KOLTE PRASAD DEE IP	10
ET23D3A31	PAWAR GAURAV MAHENDRA	12	ET23D3A64	MAHAJAN CHANDAN ASHOK	10
ET23D3A32	JADHAV PRATHAMESH SHRIKANT	12	ET23D3A65	WAGHMARE ANIKET ASHOK	10
ET23D3A33	LOHAR BHUSHAN SHITALKUMAR	12	ET23D3A66	MURTADAK AKANKSHA PRAMOD	10

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S.G. Bagul
Prof.S.G.Bagul
Subject Incharge

S.B. Borse
Prof.S.B.Borse
H.O.D





Department of Computer Engineering

Think-Pair-Share
TE Computer Sem-I 2022-2023

Name Pradnya Patil, Nitin Gite Date 8-8-2022

Think-Pair-Share

Why is it important for families to work together?

Think

On your own, write three ideas you have about this question or problem:

1. Decentralization of work
2. Psychological support and motivation
3. Feel safe and secure

Pair

Discuss your ideas with a partner. Then, write down ideas of your partner had that you did not have:.

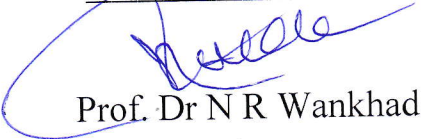
1. Learn about financial management
2. Mental stability due to culture in the house
3. Improvement in problem solving skills

Share

Review all of your ideas and circle the one you think is most important. One of you will share this idea with the whole group.

As you listen to the ideas of the whole group, write down three more ideas you liked:








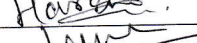
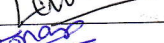




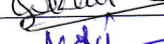




1. Psychological support and motivation
2. Safety and security
3. Financial management

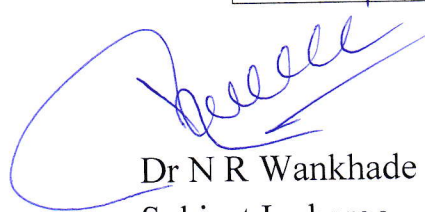

Prof. Dr N R Wankhade
Subject Incharge




Prof. Dr N R Wankhade
H.O.D, Computer

Attendance of Students
 Think - Pair - share

Roll.No	Name of Student	Signature
50	Pradnya Patil	
74	Savesh Vishwakarma	
45	Prathmesh Nemade	
60	Alish Shaikh	
23	Sanket Kalokhe	
22	Kalyani Kakulate	
1	Mithun Adhe	
29	Harshdeep Kedare	
72	Lalit Valkande	
65	Aditi Sonar	
18	Monica Gite	
19	Nitin Gite	
30	Vipin Khairnar	
33	Dhanvantari Kolpe	
37	Kajal Mahale	
76	Shubham Wani	
73	Shubhan Varse	
64	Siddhesh Shivade	


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Department of Electronics and Telecommunication Engineering

Think-Pair-Share
TE E&TC Sem-I

Name Wankhede Vaibhav - B Date 28/8/23

Think-Pair-Share

Read the following question or problem:

Fast computation of DFT

Think

On your own, write three ideas you have about this question or problem:

- 1 Differentiate DFT and FFT
- 2 Formulae for DFT and FFT
- 3 Number of Computation.

Pair

Discuss your ideas with a partner. Then, write down ideas of your partner.

1. Discrete Fourier Transform (DFT) is the discrete version of the Fourier Transform (FT) that transforms a signal (or discrete sequence) from the time domain representation to its representation in the frequency domain. Whereas, Fast Fourier Transform (FFT) is any efficient algorithm for calculating the DFT

2 For DFT

Complex multiplication :- N^2

Complex Addition :- $N^2 - N$

For FFT

Complex multiplication :- $\frac{N}{2} \log_2 N$

Complex Addition :- $N \log_2 N$


3. Computations reduced in FFT

Share


Review all of your ideas and circle the one you think is most important. One of you will share this idea with the whole group.

As you listen to the ideas of the whole group, write down three more ideas you liked:

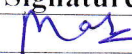
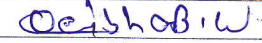

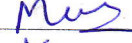








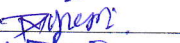







1. DIT and DIF Algorithm
2. Computational Complexity get reduced with FFT.
3. Memory requirement is reduced.



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H.O.D, E&T.C

Attendance of Students

Roll.No	Name of Student	Signature
ET23D3A01	MAHAJAN RAJ BHARAT	
ET23D3A05	WANKHEDE VAIBHAVBHASKAR	
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ET23D3A11	PAWAR DEEPAK ARJUN	
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ET23F3A16	BHAGADE MANOHAR MINANATH	
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ET23D3A25	BHADANE SANIKA RAJESH	
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ET23D3A37	GAIKWAD INDRA SANJAY	
ET23D3A40	BHANGARE DAYA VAMAN	
ET23D3A50	VAIRAL APEKSHA ANIL	
ET23D3A34	RATHOD BHAVIKA UDAY	


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