

## SRI BHARATHI

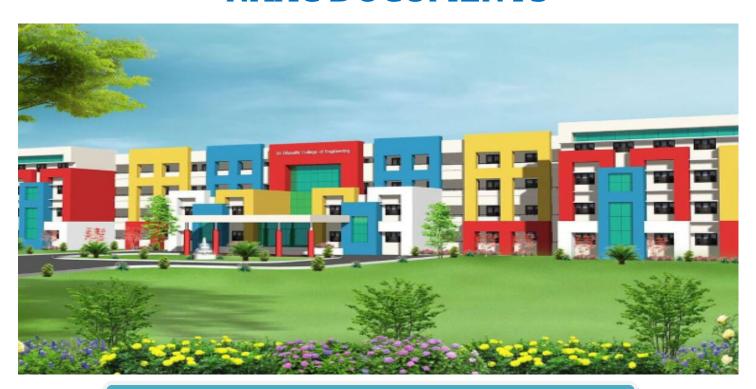
ENGINEERING COLLEGE FOR WOMEN

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)

Kaikkurichi, Pudukkottai -622 303

www.sbec.edu.in

## **NAAC DOCUMENTS**



Quality Indicator Frame Work

# Criterion – 1 CURRICULAR ASPECTS

Submitted by

IQAC
Internal Quality Assurance Cell

Sri Bharathi Engineering College for Women

# Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) KAIKKURUCHI, PUDUKOTTAI – 622 303 DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### ACADEMIC YEAR 2020-2021/ EVEN SEMESTER

#### 1.2 Academic Flexibility (30)

1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

#### **AND**

1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

VAC Title:	EMI VLS		IG TECH	HNOLOGI	ES O	F BIC	SIGNAL	PROCESS	ING IN
Resource Per	son:	Mana	SRINIV ging Dire rman PV	,	imited	, Che	nnai - 6000	60	
Date of cond	uct fro	m:	26.04.202	21	To:	30.04	.2021	<b>Duration:</b>	30 Hours
Organized D	epartn	nent :	ELECTI	RONICS AN	D COM	<b>1MUN</b>	ICATION E	ENGINEERI	NG
Participant Year: 2/3/4 Semester: EVEN No. of Students Registered: 40									
Venue: Go	ogle N	Aeet:me	et.google.d	com/cex-eijs-	gse.				·

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#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### ACADEMIC YEAR 2020-2021/EVEN SEMESTER

#### DEPARTMENT CIRCULAR

Value Added Course offered by the Department of ECE will be conducted for Second, Third and Final year students on "Emerging Technologies of Bio Signal Processing in VLSI" in association with Spiderman PVC Private Limited, from 26.04.2021 to 30.04.2021 through online. Certificates will be issued to the eligible participants at the end of the course. The resource person details are shown in the following table.

S.No	Name of the Course	Resource Person
1	Emerging Technologies of Bio Signal Processing in VLSI	Mr.S.SRINIVASAN,  Managing Director,  Spiderman PVC Private Limited,  No 17, Madhavaram,  Chennai - 600060  Tamil Nadu.  Mail.Id: spidermanview@gmail.com  Google Meet: meet.google.com/cex-eijs-gse

Cc:

Principal's Office

**IQAC** Coordinator

Class In charges- II , III & IV Year

II ,III & IV Year ECE Students

Notice Board

HOD / ECE

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Date: 19.04.2021

KAIKKURICHI,

PUDUKKOTTAI - 622 303

Dr. S.THILAGAVATHI M.E., Ph.D. PRINCIPAL



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING <u>ACADEMIC YEAR 2020-2021/EVEN SEMESTER</u>

## Value Added Course on "Emerging Technologies of Bio Signal Processing In VLSI"

#### **SYLLABUS**

S.NO	TOPIC COVERED	DURATION (in hours)	DATE
1	Bio Signals(eg.,EEG,ECG,PCG,PPG,EMG,ENG) processing	3	26.4.2021
2	Wavelets and Fourier Analysis & Soft Computing Techniques	3	26.4.2021
3	Neural networks	3	27.4.2021
4	Fuzzy logic, Genetic Algorithms	3	27.4.2021
5	VLSI Signal processing	3	28.4.2021
6	System partitioning and level testing Xilinix, Cadence, Modelsim etc in VLSI Design	3	28.4.2021
7	Physical design layout, Verification in VLSI Technology	3	29.4.2021
8	Image compression and registration, Image quality assessment	3	29.4.2021
9	Image segmentation and enhancement	3	30.4.2021
10	Image Retrieval and Analysis, Video Image analysis and processing	3	30.4.2021
	Total Hours	30	

VACCOORdinator

Dr. S.THILAGAVATHI M.E., Ph.D.,

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Kaikkurchi - 622 303, Pudukkottai Dt. HoD/ECE

HOD / ECE SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI, PUDUKKOTTAI - 622 303



## SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN (Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)

Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

## DEPARTMENT OF ELECTRONICS AN COMMUNICATIONENGINEERING ACADEMIC YEAR EVEN SEMESTER (2020-2021)

#### STUDENT PARTICIPATION LIST FOR VALUE ADDED PROGRAM

### **Emerging Technologies of Bio Signal Processing in VLSI**

S.NO	REG.NO	NAME	YEAR & BRANCH
1 , , ,	912619106001	AASHIMA M	II & ECE
2	912619106002	ANANTHI P	II & ECE
3	912619106004	JAFFARNISHA R	II & ECE
4	912619106005	MAHESWARI K	II & ECE
5	912619106006	MANISHA S	II & ECE
6	912619106007	MEGAVADHANA A	II & ECE
7	912619106008	PRIYANGA R	II & ECE
8	912619106009	RAGAVI V	II & ECE
9	912619106010	RAJAPRABA M	II & ECE
10	912619106011	SASIKA K	II & ECE
11	912618106001	ANUSHAA S	III & ECE
12	912618106002	ARIVARASI A	III & ECE
13	912618106003	ASMATH HAZEENA N	III & ECE
14	912618106004	ATCHAYA R	III & ECE
15	912618106005	JAYAPRIYA T	III & ECE
16	912618106006	JAYASRI M	III & ECE
17	912618106007	NAGALAKSHMI P	III & ECE
18	912618106008	NAVITHRA D	III & ECE
19	912618106009	ROHINI K	III & ECE
20	912618106010	SOUNTHARYA P	III & ECE
21	912618106012	THAIYAL NAYAGI K	III & ECE
22	912618106701	JANANI.R	III & ECE
23	912617106001	ABIRAMI S	IV& ECE
24	912617106002	ABISHEKA S	IV& ECE

Dr. S.THILAGAVATHI M.E., Ph.D., PRINCIPAL

S.NO	REG.NO	NAME	YEAR & BRANCH		
25	912617106003	ATSHAYA R	IV& ECE		
26	912617106004	BAVADHARANI A	IV& ECE		
27	912617106005	BHUVANESHWARI B	IV& ECE		
28	912617106006	DHIVYA L	IV& ECE		
29	912617106007	GOWSALYA D	IV& ECE		
30	912617106009	INDHUMATHI S	IV& ECE		
31	912617106010	KANIMOZHI D	IV& ECE		
32	912617106011	KAVYA C	IV& ECE		
33	912617106012	KEERTHANA G	IV& ECE		
34	912617106013	MAHESHWARI G	IV& ECE		
35	912617106014	MANOHARI M	IV& ECE		
36	912617106015	MARAGATHALAKSHMI S	IV& ECE		
37	912617106017	SAFRIN NISHA S	IV& ECE		
38	912617106018	SUBASHINI M	IV& ECE		
39	912617106019	SUBASHINI T	IV& ECE		
40	912617106020	VINTHIYA R	IV& ECE		

Coordinator

HOD / ECE

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI - 622 303

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL



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KAIKKURICHI, PUDUKKOTTAI-622 303
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
ACADEMIC YEAR EVEN SEMESTER (2020-2021)

## ATTENDANCE SHEET FOR VALUE ADDED COURSE-EMERGING TECHNOLOGIES OF BIO SIGNAL PROCESSING IN VLSI

S.NO	S.NO REG. NO NAME		YEAR/	26.04	26.04.2021		27.04.2021		28.04.2021		.2021	30.04.2021		NO. OF
77	vi=ava i ania		BRANCH	F.N	A.N	F.N	A.N	F.N	A.N	F.N	A.N	F.N	A.N	SESSIONS ATTENDED
1	912619106001	AASHIMA M	II /ECE	1	1	1	1	1	/	1	,	1	1	10
2	912619106002	ANANTHI P	II /ECE	/	1	1	1	,	1	1	1	,	,	10
3	912619106004	JAFFARNISHA R	II /ECE	1	1	1	1	1	1	1	1	/	/	10
4	912619106005	MAHESWARI K	II /ECE	a	1	1	1	1	1	/	1	1	1	9
5	912619106006	MANISHA S	II /ECE	/	1	1	/	1	1	1	1	,	1	10
6	912619106007	MEGAVADHANA A	II /ECE	/	1	1	/	1	1	1	,	,	,	10
7	912619106008	PRIYANGA R	II /ECE	/	/	/	1	1	/	1	,	_	1	lo
8	912619106009	RAGAVI V	II /ECE	a	1	1	1	1	1	1	1	1	/	9
9	912619106010	RAJAPRABA M	II /ECE	/	1	1	/	a	1	/	1	,	1	9
10	912619106011	SASIKA K	II /ECE	1	1	1	1	1	1	1	1	,	/	10
11	912618106001	ANUSHAA S	III/ ECE	1	1	/pr.	S.THII	AGAV	ATHI	м. Е., Р	1.D.,	1	1	10

				* most		1								
12	912618106002	ARIVARASI A	III/ ECE	1	1	1	1	1	1	1	1	1	1	to
13	912618106003	ASMATH HAZEENA N	III/ ECE	1	1	,	1	1	/	1	1	1	1	10
14	912618106004	ATCHAYA R	III/ ECE	1	1	1	1	1	1	1	1	1	1	10
15	912618106005	JAYAPRIYA T	III/ ECE	/	1	1	1	1	1	1	1	1	1	lo
16	912618106006	JAYASRI M	III/ ECE	1	1	1	1	1	1	1	1	1	1	lo
17	912618106007	NAGALAKSHMI P	III/ ECE	a	a	1	1	1	,	1	1	1	1	8
18	912618106008	NAVITHRA D	III/ ECE	1	1	1	1	1	,	1	1	1	1	10
19	912618106009	ROHINI K	III/ ECE	1	1	1	1	a	1	1	1	1	1	9
20	912618106010	SOUNTHARYA P	III/ ECE	1	1	1	1	1	1	1	1	1	1	10
21	912618106012	THAIYAL NAYAGI K	III/ ECE	1	1	1	1	1	1	1	1	1	1	10
22	912618106701	JANANI.R	III/ ECE	1	1	1	1	1	1	1	1	1	1	lo
23	912617106001	ABIRAMI S	IV/ECE	a	1	1	1	1	1	1	,	1	1	q
24	912617106002	ABISHEKA S	IV/ECE	1	1	1	1	1	1	1	1	1	/	10
25	912617106003	ATSHAYA R	IV/ECE	1	1	1	1	1	1	1	1	/	1	10
26	912617106004	BAVADHARANI A	IV/ECE	/	1	1	1	1	1	1	,	1	1	10
27	912617106005	BHUVANESHWARI B	IV/ECE	1	1	1	1	1	1	1	1	1	1	10
28	912617106006	DHIVYA L	IV/ECE	1	1	1	1	1	1	1	1	1	1	10
29	912617106007	GOWSALYA D	IV/ECE	1	1	1	1	1	1	1	1	/	1	10
30	912617106009	INDHUMATHI S	IV/ECE	1	1	1	1	14	s. <b>тн</b> і	LAGA	VATH NGIPAL	M.E.,P	h.D/,	10
							1	/				MEERIN		* *

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31	912617106010	KANIMOZHI D	IV/ECE	1	1	1	1	1	1	1	1	1	1	10
32	912617106011	KAVYA C	IV/ECE	1	. 1	1	1	1	1	1	1	1	1	lo
33	912617106012	KEERTHANA G	IV/ECE	1	1	1	1	1	1	1	,	1	1	lo
34	912617106013	MAHESHWARI G	IV/ECE	1	1	1	,	1	,	1	1	1	1	10
35	912617106014	MANOHARI M	IV/ECE	1	1	1	1	1	1	1	1	1	1	10
36	912617106015	MARAGATHA LAKSHMI S	IV/ECE	1	/	1	1	a	,	1	1	1	,	9
37	912617106017	SAFRIN NISHA S	IV/ECE	1	^	. /	1	1	1	. /	1	1	,	10
38	912617106018	SUBASHINI M	ĮV/ECE	1	1	,	1	1	,	1	,	/	,	10
39	912617106019	SUBASHINI T	IV/ECE	1	1	1	1	1	,	1	1	/	,	10
40	912617106020	VINTHIYA R	IV/ECE	1	1	1	/	,	1	,	,	/	1	10

VAC Coordinator

HOD / ECE

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI,

PUDUKKOTTAI - 622 303

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai-25)Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

### **Report on Value Added Course**

Title:

Emerging Technologies of Bio Signal Processing in VLSI

Resource Person:

Mr.S.SRINIVASAN,

Managing Director,

Spiderman PVC Private Limited,

No 17, Madhavaram, Chennai - 600060

Date of conduct from:

26.04.2021

To: 30.04.2021

Duration:

30 Hours

Organized Department:

**Electronics and Communication Engineering** 

Participant Year:

2/3/4

Semester: EV

EVEN

No. of Students Registered:

40

Venue:

online mode Google Meet: meet.google.com/cex-eijs-gse

### Outcome of Value Added Course (VAC) : At the end of Course, Students can able to

- Apply appropriate signal processing techniques in analysing various bio-signals.
- Explain and employ sampling and quantization procedures for digitally recording physiological data
- Develop measurement systems for bio-signals and its signal conditioning circuits.
- Understand and explain the basic concept of VLSI signal processing and its various components
- Understand advanced statistical tools and numerical methods to describe the temporal dynamics of biomedical signals.
- No. of students successfully completed the VAC course is **40** Students based on the following Assessment process.

#### **Assessment Process**

- Students securing more than 60% on total score and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted
- Total Score = (0.5 \*Attendance in VAC out of 100 percentage + 0.5 \*Test mark in VAC out of 100 marks)

VAT Coordinator

HOD / ECE

Principal

~10

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

KAIKKURICHI, PUDUKKOTTAI - 622 303. Dr. **S.THILAGAVATHI** M.E.,Ph.D. PRINCIPAL



#### SPIDERMAN PVC TE CHN OLOGY PRIVATE LIMITED NO;17, MADHAVARAM, CHENNAI-600060

## CERTIFICATE OF PARTICIPATION

This is to Certify that

## Ms. RAGAVI.V, II ECE from Sri Bharathi Engineering College for Women

has successfully completed 5 days Value Added Course on

Emerging Technologies of Bio Signal Processing in VLSI

Conducted from 26.04.2021 to 30.04.2021 during the academic year 2020-2021.

Dr. S.THILAGAVATHI M.E., Ph. b.,

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurchi - 622 303, Pudukkottai Dt.

Albeivanstein.

**Managing Director** 



#### SPIDERM AN PVC TE CHN OLOGY PRIVATE LIMITED NO;17, MADHAVARAM, CHENNAI-600060

## CERTIFICATE OF PARTICIPATION

This is to Certify that

## Ms. ARIVARASI.A, III ECE from Sri Bharathi Engineering College for Women

has successfully completed 5 days Value Added Course on

Emerging Technologies of Bio Signal Processing in VLSI

Conducted from 26.04.2021 to 30.04.2021 during the academic year 2020-2021.

Dr. S.THILAGAVATHI M.E., Ph. Q.
PRINCIPAL

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN Managing Director



#### SPIDERMAN PVC TE CHN OLOGY PRIVATE LIMITED NO;17, MADHAVARAM, CHENNAI-600060

## CERTIFICATE OF PARTICIPATION

This is to Certify that

### Ms. SAFRIN NISHA.S, IV ECE from Sri Bharathi Engineering College for Women

has successfully completed 5 days Value Added Course on

Emerging Technologies of Bio Signal Processing in VLSI

Conducted from 26.04.2021 to 30.04.2021 during the academic year 2020-2021.

Dr. S.THILAGAVATHI M.E.,Phld.,

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

Kaikkurchi - 622 303, Pudukkottai Dt.

Alfricantin

**Managing Director** 



(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai 25) Kaikkurichi, Pudukkottai, Tamil Nadu – 622 303, India

Name of the Student:	Year/Sem:
AU Register Number:	
Value Added Course on Emerging	Technologies of Bio Signal Processing in VLSI
	FIONS (25X1 = 25 Marks)
MCQ QUEST	10NS (25A1 - 25 Warks)
<ul><li>1. In digital system if h (transfer function</li><li>a) Analyze</li><li>b) Control</li></ul>	a) and y (output) find X means c) Design d) All the above
dointe not mana teringgadan	d) All the above
2 Is a record of the amplified ele a) EMG	ctrical activity generated by neurons in the brain c) MRI
b) EEG	d) None of the above
caused by eye movements and blinks	a number of contaminating voltage potential
a) Ocular artifacts	c) EOG
b) Antifacts	d) EFG
<ul> <li>4. Shannon Nyquist theorem f<sub>sampling</sub> &gt;= 2</li> <li>a) f<sub>max</sub></li> <li>b) f<sub>min</sub></li> </ul>	c) both a and b
5. The shape of signal repeats with an inte	A TD MORE DESCRIPTION (d. November 1970)
a) Periodic	c) Predictability
b) Aperiodic	d) All the above
6 Is a symmetric periodic function with	M(b young fd
a) DFT	c) Correlation
b) Convolution	d) Regression
7filter is used to remove high freq the pass band	uency noise with minimal loss of signal components in
a) Moving average filter	c) Median
b) offset	d) Detrending
	c) Converning
8Measures the similarity of two ser other  a) Covariance	ies as a function of the long of one relative to
b) Mean square Dr. S.THILAGAY	The state of the s
SRI BHARATHI COLLEGE F	CIPAL ENGINETRING OR WOMEN
Kaikkurchi - 622 30	)3, Pudukkottai Dt.



a)Digital

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9. Processing of reducing the amount of data in a	given signal to i order to lower
resources usage Such as data storage space	: inspine our 10 smari
a) Envelop Detection	c) Estimation
b) Compression	d) All the above
10. Process of reducing the sampling rate of sign	al is called
a) Up sampling	c) Down sampling
b) Interpolation	d) Bandwidth
S 1 25 XI = 25 Marken	MOIRRARD COM
11is a to for Blind source separation	
a) IBA	c) ICA
b) IFA	d) ICD axylan A (n
evode od: IIA (b	b) Control
12 Filtering is a process of implementing a so	et of mathematical equation which
implements a prediction corrector type of esting	
a) Kalman	c) both a and b
b) Kelvin avoda od baseda (b	d) None of the above
13. Which techniques I'd used to reduce the sam	pling period in VLSI digital signal
processing	caused by eye movements and blinks
a) Unfolding	c) Aliasing
b) Throughput	d) Filter
14 notwark cofe higherically inchired notw	ork that are useful in application area
14 network safe biologically inspired netw such as pattern recognition and classification	ork that are userur in application area
마스트 (B. 1988) 1988 (	c) Sensor network
<ul><li>a) computer Network</li><li>b) Mobile Network</li></ul>	d) Artificial network
b) Woone Network	d) Attiticial fietwork
15 represent s the distribution of power as a	function of frequency
a) PDF evods and IIA (b	c) PSD siboring A. (d
b) Entropy	d)None of the above
es boi	6 Is a symmetric periodic function with ner
16. The entropy is into pretended as a function of	
a) Certainty	b) Uncertainty
17. Signal processing is a ways to	- signal in its original medium or an
abstract medium.	
a) Finding	
b) Manipulating	b) offset
c) Converting	
d) Analyzing	
	1 / 19/10
18. Signal generated via physical phenomenon a	ıre

b)Analog

c) Both a and b

Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL
SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
Kaikkurchi - 622 303. Pudukkottai Dt



a) Sampledb) Quantized

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19. The real-(complex) valued samples must be -----fit into internal word length.

c) Estimated d) Converted
<ul><li>20. The effect of over sampling is also called</li><li>a) Aliasing</li><li>b) Filtering</li><li>c) Quantization</li></ul>
<ul> <li>21. The interface between an analog signal and a processor is digital</li> <li>a) D/AConverter</li> <li>b) A/DConverter</li> <li>c) Modulator</li> <li>d)Demodulator</li> </ul>
<ul> <li>22. Telegraph signals are examples of</li> <li>a) Digital signals</li> <li>b) Analog signals</li> <li>c) Impulse signals</li> <li>d) Pulse train</li> </ul>
<ul><li>23. Roll-off factor is</li><li>a) The bandwidth occupied beyond the Nyquist Bandwidth of the filter</li><li>b) The performance of the filter or device</li><li>c) Aliasing effect</li><li>d) None of the above</li></ul>
24. DTFT is the representation of a) Periodic Discrete time signals b)Aperiodic Discrete time signals c)Aperiodic continuous signals d)Periodic continuous signals
25. Decimation is a process in which the sampling rate is a)enhanced
b) stable
c)reduced d)unpredictable
Dr. S.THILAGAVATHI M.E., Ph.D.,
PRINCIPAL

# TO A MANUSCON H.

## SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

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## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### ACADEMIC YEAR 2020-2021/EVEN SEMESTER

## Value Added Course on "Emerging Technologies of Bio Signal Processing in VLSI" MCQ ANSWER KEY

1	D	6	A	11	С	16	В	21	В
2	В	7	A	12	A	17	C	22	В
3	A	8	С	13	C	18	В	23	A
4	С	9	В	14	D	19	В	24	С
5	A	10	С	15	С	20	С	25	C

Dr. S.THILAGAVATHI M.E., Ph.D.,

PRINCIPAL

## Sri Bharathi Engineering college for women Department of ECE

value added course (26.04.2021 to 30.04.2021)

NAMe: Jaffar Nisha.R

Reg no: 9126 1910 6004

year: 1

Sem: IV

### Answers

- 1) d
- 2) RX
- 3) R
- 4) [
- 5) a/
- 6) 12/
- 7) 64
- 8) c
- 9) b
- 10) C
- 12) 12
- 13) [

- (4) d
- 15) C /
- 16) B
- 10) B V
- 18) 6
- 19) 5 ×
- ( ) ( )
- 20) [
- a1) b
- ad) b
- 23) R
- 24) C
- as) c

Dr. S.THILAGAVATHI M.E., Ph.D.,
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Sri	Bhasafhi	Engin	eesily	College	for Wome	n
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Vale	2 2 2 4	V			to 30-04-2	راله ما
Nou	ne: Subas	hini. M	R	29.ND	91261710	8108
Yea	ar: W	,	84	2m : V	<u>[]</u>	
1)	A	1	della.		(9)	
2)	b-	(4)	C		28	
3)	a.		b /			
<del>4)</del> <del>5)</del>	$a \times d \times$	17)	C			
6)	a	18)	d			
7)	av	20)	C			
8)	6	21)	d X			
(9)	D ~	22)	Ь			
	Q \\	24)	a -		$\sim$ . $\sim$	
(2)	a	201	4 ×			
[3)	d ×			SRI BHAI	AGAVATHI ME., Ph. D PRINCIPAL RATHI ENGINEERING EGE FOR WOMEN - 622 303, Pudukkottai Dt.	)
				Naikkurchi	- 022 000, Fudukkottai Dt.	

## Sri Bharathi Engineering College for women Department of ECE

Value dolded course (26.04.2021 to 30.04.2021)

Game: Janani. R

year: III

Beg 100: 9126 18106701

Sem: VI

## answers

- C/
- ar
- CX
- av 7)
- CV
- ax
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- - 14) CX
  - 16) 6

  - 17) (/
  - 18) 6
  - cX 19)
  - 20) 6
  - 21) 6
  - 22) a X
  - 23) a
  - 24) C /
  - 25) d x

Dr. S.THILAGAVATHI M.E.,Ph.D., PRINCIPAL



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## DEPARTMENT OF ELECTRONICS AND COMMUNICATIONENGINEERING ACADEMIC YEAR EVEN SEMESTER (2020-2021)

#### MARK SHEET FOR VALUE ADDED COURSE- EMERGING TECHNOLOGIES OF BIO SIGNAL PROCESSING IN VLSI

S.NO	REGISTER NUMBER	NAME	YEAR & BRANCH	Attendance (A)		VAC -MCQ TEST (B)		OVERALL MARK(100)
				No.of Sessions Attented	Marks (100)	No.of Correct Answer	Marks (100)	(50% of A + 50% of B)
1	912619106001	AASHIMA M	II /ECE	10	100	19	76	88
2	912619106002	ANANTHI P	II /ECE	10	100	18	72	86
3	912619106004	JAFFARNISHA R	II /ECE	10	100	22	88	94
4	912619106005	MAHESWARI K	II /ECE	9	90	20	80	85
5	912619106006	MANISHA S	II /ECE	10	100	19	76	88
6	912619106007	MEGAVADHANA A	II /ECE	10	100	18	72	86
7	912619106008	PRIYANGA R	II /ECE	10	100	20	80	90
8	912619106009	RAGAVI V	II /ECE	9	90	20	80	85
9	912619106010	RAJAPRABA M	II /ECE	9	90	18	72	81
10	912619106011	SASIKA K	II /ECE	10	100	19	76	88
11	912618106001	ANUSHAA S	III /ECE	10	100	22	88	94
12	912618106002	ARIVARASI A	III /ECE	10	100	19 / /	76	88

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SRI BHARATHI ENGINEERING
COLLEGE FOR WOMEN
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13	912618106003	ASMATH HAZEENA N	III /ECE	10	100	18	72	86
14	912618106004	ATCHAYA R	III /ECE	10	100	19	76	88
15	912618106005	JAYAPRIYA T	III /ECE	10	100	22	88	94
16	912618106006	JAYASRI M	III /ECE	10	100	18	72	86
17	912618106007	NAGALAKSHMI P	III /ECE	8	80	19	76	78
18	912618106008	NAVITHRA D	III /ECE	10	100	21	84	92
19	912618106009	ROHINI K	III /ECE	9	90	23	92	91
20	912618106010	SOUNTHARYA P	III /ECE	10	100	21	84	92
21	912618106012	THAIYAL NAYAGI K	III /ECE	10	100	23	92	96
22	912618106701	JANANI.R	III /ECE	10	100	19	76	88
23	912617106001	ABIRAMI S	IV /ECE	9	90	19	76	83
24	912617106002	ABISHEKA S	IV /ECE	10	100	18	72	86
25	912617106003	ATSHAYA R	IV /ECE	10	100	23	82	91
26	912617106004	BAVADHARANI A	IV /ECE	10	100	18	72	86
27	912617106005	BHUVANESHWARI B	IV /ECE	10	100	BIO 18 DAVE	72	86
28	912617106006	DHIVYA L	IV /ECE	10	100	19	76	88
29	912617106007	GOWSALYA D	IV /ECE	10	100	18	72	86
30	912617106009	INDHUMATHI S	IV /ECE	10	100	20	80	90
31	912617106010	KANIMOZHI D	IV /ECE	10	100	19	76	88
32	912617106011	KAVYA C	IV /ECE	10	100	18	72	86



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	7							
33	912617106012	KEERTHANA G	IV /ECE	10	100	18	72	86
34	912617106013	MAHESHWARI G	IV /ECE	10	100	19	76	88
35	912617106014	MANOHARI M	IV /ECE	10	100	18	72	86
36	912617106015	MARAGATHALAKSHMI S	IV/ECE	9	90	20	80	85
37	912617106017	SAFRIN NISHA S	IV/ECE	10	100	19	76	88
38	912617106018	SUBASHINI M	IV/ECE	10	100	18	72	86
39	912617106019	SUBASHINI T	IV/ECE	10	100	18	72	86
40	912617106020	VINTHIYA R	IV/ECE	10	100	23	82	91

VACCOOrdinator

HoD/ECE

HOD / ECE SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN KAIKKURICHI,

DUDUKKOTTAI - 622 303

Dr. S.THILAGAVATHI M.E., Ph.D.)
PRINCIPAL