



K S R Institute for Engineering and Technology

Tiruchengode, Namakkal (Dt) , Tamil Nadu

(Approved by AICTE, Affiliated to Anna University, Accredited by NAAC (A+) & NBA)



1.1.1 The Institution ensures effective curriculum delivery through a well-planned and documented Process.

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ANNA UNIVERSITY

SARDAR PATEL ROAD, CHENNAI - 600 025

Phone : +91 - 44 - 2235 2161
Office : +91 - 44 - 2235 7004
+91 - 44 - 2235 7003
Fax : +91 - 44 - 2235 1956
E-mail : registrar@annauniv.edu

REGISTRAR

Lr. No. 02/AFFLN/CAI/CBE/AU/2021-2022/7316

Date : 28-07-2021

To

The Principal
K S R Institute for Engineering and Technology
K S R Kalvi Nagar, Tiruchengode - 637215.

KSRIT - TIRUCHENGODE	
Inward No.	3064
Date	31/7/21
Attention	
Principal	<i>[Signature]</i>
File No.	

Sir,

Sub : Anna University - Provisional Affiliation for the Existing course(s) / New course(s) / Variation in intake - U.G. / P.G. for the academic year 2021-2022 - granted - Reg.

Ref : 1. Your application for affiliation for the academic year 2021-2022
2. AICTE / COA / DGS Approval for the academic year 2021-2022 - submitted by the college

I am to inform that under the provisions of Section 7.6.1 of the Statutes for Affiliation of Anna University, Chennai, **Provisional Affiliation** for the continuation of the existing course(s) / new course(s) / variation in intake in the existing course(s) is granted for the following U.G / P.G. courses with the sanctioned intake mentioned against each course for the academic year **2021-2022** at **K S R Institute for Engineering and Technology, K S R Kalvi Nagar, Tiruchengode - 637215.**

Sl. No.	Degree	Course(s)	Sanctioned Intake	
			2020-2021	2021-2022
1.	B.E.	BioMedical Engineering	60	60
2.	B.E.	Computer Science and Engineering	60	60
3.	B.E.	Electrical and Electronics Engineering	60	60
4.	B.E.	Electronics and Communication Engineering	60	60
5.	B.E.	Mechanical Engineering	60	60
6.	B.Tech.	Information Technology	60	60
7.	M.E.	Big Data Analytics	6	6
8.	M.E.	CAD/CAM	6	6
9.	M.E.	Embedded System Technologies	6	6
10.	M.E.	Software Engineering	6	6

The above said Provisional Affiliation is being granted subject to the fulfillment of the conditions mentioned below:

- Production of originals of AICTE / COA / DGS approval and all other related documents for verification, whenever demanded by the University.
- Verification by a Committee towards the fulfillment of the conditions mentioned above and the continued fulfillment of the requirements for the above-mentioned course(s) as per the norms

[Signature]
PRINCIPAL
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ENGINEERING AND TECHNOLOGY,
K S R KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL Dt. TAMIL NADU.

and standards of AICTE / University and the laboratory requirements as per the curricula and syllabi of Anna University, Chennai for the above courses. In the event of any violation/infringement of the above said conditions and / or the provisions of Anna University, Chennai Act / Statutes / Regulations, AICTE Act, norms & standards / regulations / guidelines or any other law being in force, suitable action including suspension / withdrawal of affiliation of course(s) may be initiated against the college.

- Students should not be admitted for the above course(s) for the next academic year 2022-2023 without obtaining the order of continuation of provisional affiliation for the next academic year from the University.

The Provisional Affiliation is granted without prejudice to the right of the University of requiring production of certificate required under Section 37-B of TAMILNADU Reforms (LC) Act 1961 subject to the decision of the Hon`ble High Court of Madras in W.A. No. 3454 / 2002 batch and W.A. No. 3482 / 2002 batch.

Signature

Copy to:



Signature
28/07/2021

Signature
28/7/21
REGISTRAR
REGISTRAR
Anna University
Chennai - 25

1. The Controller of Examinations, Anna University, Chennai - 600 025.
2. The Commissioner of Technical Education, DOTE campus, Chennai - 600 025.
3. The Regional Officer, Southern Regional Office, AICTE, 26, Haddows Road, Shastri Bhawan, Chennai - 600 006.
4. The Chairman, All India Council For Technical Education, Nelson Mandela Marg, Vasant Kunj, New Delhi-110070.
5. Master file.

Signature
28/7

Signature
28/7/21

Signature
PRINCIPAL,
K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL Dt. TAMIL NADU

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY, TIRUCHENGODE - 637 215
DEPARTMENT OF SCIENCE AND HUMANITIES
TIMETABLE (R - 2021)

ACADEMIC YEAR : 2021 - 2022
 BRANCH/YEAR /SEM: IT / I / I

HALL NO: M 215

SEMESTER: ODD
 With effect from: 15-11-2021

DAY / TIME	9.00am to 9.50am	9.50am to 10.40am	10.40 to 10.55 am	10.55am to 11.45am	11.45am To 12.35 pm	12.35 to 01.30pm	01.30pm To 02.20pm	02.20pm To 03.10pm	03.10pm To 04.00pm	04.00 To 4.50pm
Mon	PE - I	PSP	INTERVAL	EP	EC	LUNCH BREAK	MC		PE - I	-
Tue	PSP	EP		PE-I	MC		EC	LIB	EP	-
Wed	P/C LAB			P/C LAB			CLUB ACTIVITY			-
Thu	EP	MC		EC	PSP		S2D		EP	-
Fri	EC	PSP		MC	PE - I		PSP LAB			-
Sat	MENTOR R	EC		MC	PSP		SOCIAL ACTIVITY			-

Sub/Lab	Acronym	Name of the Subject	Name of the Faculty	Department	Periods/Week
HS3151	PE - I	Professional English - I	Mr. P. Mohan	English	4
MA3151	MC	Matrices and Calculus	Mrs. R. Kavitha	Maths	7
PH3151	EP	Engineering Physics	Dr. P.Sangaiya	Physics	5
CY3151	EC	Engineering Chemistry	Dr. B. Murugesan	Chemistry	5
GE3151	PSPP	Problem Solving and Python Programming	Ms. M. Kanimozhi	IT	5

PRACTICALS

GE3171	PSPP LAB	Problem Solving and Python Programming Laboratory	Ms. M. Kanimozhi Mr. T. Selvaprabhu Mr. P.S. Prakashkumar	IT	4
BS3171	PC LAB	Physics and Chemistry Laboratory	Dr. B. Murugesan Dr. P.Sangaiya	P/C	4

Club Activity	Periods / Week
Association, Tamil Manram, Lingua Club, Science Club, Music Club and Social Activities.	3
Soft Skill Development	2
Library Hour	1
Mentor Hour	1

CO-ORDINATOR	Mrs. R. Kavitha
Dr. B. Murugesan	Ms. M. Kanimozhi

Director S&H

Timetable I/C

Director- academics

Principal

KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY, TIRUCHENGODE - 637 215
DEPARTMENT OF SCIENCE AND HUMANITIES
TIMETABLE (R - 2021)

ACADEMIC YEAR : 2021 - 2022
 BRANCH/YEAR /SEM : IT / I / II

HALL NO: M205

SEMESTER: EVEN
 With effect from: 04-04-2022

DA/TIME	9.00am to 9.50am	9.50am to 10.40am	10.40 to 10.55 am	10.55am to 11.45am	11.45am To 12.35 pm	12.35 to 01.30pm	01.30pm To 02.20pm	02.20pm To 03.10pm	03.10pm To 04.00pm	04.00 To 4.50pm
Mon	SNM		INTERVAL	PC	BEEE	LUNCH BREAK	→ EG ←			
Tue	PE-II	→		EG	←		→ EP LAB ←			
Wed	BEEE	SNM		PFIS	PC		CLUB ACTIVITY			
Thu	PFIS	→		PC LAB	←		BEEE			BEEE
Fri	PC	SNM		PE-II	BEEE		PE-II	BEEE	LIB / MENTOR	PC
Sat	SNM			PC	PC		PFIS	S2D		SNM
							BEEE	PFIS	PE-II	PE-II

Sub/Lab	Acronym	Name of the Subject	Name of the Faculty	Department	Periods/Week
HS3251	PE II	Professional English - II	Mr. P. Mohan	English	3+2
MA3251	SNM	Statistics and Numerical Methods	Mrs. R. Kavitha	Maths	5+2
PH3256	PFIS	Physics for Information Science	Dr. P. Sangaiya	Physics	3+1
BE3251	BEEE	Basic Electrical and Electronics Engineering	Dr. S. Premalatha	ECE	5+1
GE3251	EG	Engineering Graphics	Dr. P. Kanakarajan Mr. J. Madhan	MECH	7
CS3251	PC	Programming in C	Dr. L. Selvam	IT	4+2
	S2D	Soft Skills Development	Dr. R. Nandakumar Dr. C. Muhuntarajan	Placement	2
	CLUB ACTIVITY	Technical and Non-technical Clubs	All Faculty Members	All Departments	3
	LIBRARY / MENTOR		Mrs. R. Selvam / All Faculty Members	Library / All Departments	1

PRACTICALS

GE3271	EP LAB	Engineering Practices Laboratory	Dr. P. Kanakarajan / Dr. R. Mani Mr. B. Vinothkumar Mr. M. Udhayakumar	MECH/ECE	4
CS3271	PC Lab	Programming in C Laboratory	Dr. L. Selvam Dr. S. Markkandeyan Mr. D. Balakrishnan	IT	3

CO-ORDINATOR	CLASS ADVISOR 1	Mrs. R. Kavitha
Dr. B. Murugesan	CLASS ADVISOR 2	Mr. T. Selvaprabhu

Dr. B. Murugesan
 Director- S&H

Dr. B. Murugesan
 Timetable I/C

P. Mohan
 31/3/22
 Director- academics

Dr. T. Selvaprabhu
 PRINCIPAL
 KSR INSTITUTE FOR
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 K S R KALYANAGAR,
 TIRUCHENGODE-637 215,
 NAMAKKAL, TAMIL NADU.

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY
TIRUCHENGODE - 637215
 (Approved by AICTE, Affiliated to Anna University, Accredited by NAAC (A+) & NBA)
Department of Information Technology



TIME TABLE

Degree / Program	M.E-S.E	Academic Year	2022-2023	Semester	ODD
Year / Sem.	I/II	Hall No.	M209	With Effect From	27.06.2022

DAY / TIME	9.00 to 9.50	9.50 to 10.40	10.55 to 11.45	11.45 to 12.35	12.35 to 01.30	1.30 to 2.20	2.20 to 3.10	3.10 to 4.00	4.00 to 4.50
MON	IP	CFI	ST	SRE	L U N C H B R E A K	Lib	← TP & S →		--
TUE	ISPM	ST	SSD	CFI		← DS Lab →		--	
WED	SRE	SSD	IP	ST		← Seminar →		--	
THU	ST	ISPM	CFI	IP		← Journal Preparation →		--	
FRI	SSD	IP	SRE	ISPM		ISPM	NET	TT	--
SAT	CFI	SRE	IP	SSD		← Journal Preparation →		--	

Subject / Lab Code	Acronym	Name of the Subject	Name of the Faculty	Dept.	Periods / Week
SE4201	SRE	Software Requirements Engineering	Ms.P.S.Prakashkumar	IT	3+1
SE4202	SSD	Software System Design	Mr.D.Balakrishnan	IT	3+1
SE4203	ST	Software Testing	Mr.N.Kannan	IT	4
SE4204	ISPM	Integrated Software Project Management	Mr.T.Selvaprabhu	IT	4+1
BC4152	CFI	Cyber Forensics and Investigation	Dr.L.Selvam	IT	3+1
SE4073	IP	Image Processing	Dr.S.Markkandeyan	IT	4+1

PRACTICALS

SE4211	TP & S	Term Paper and Seminar	Mr.N.Kannan	IT	2
SE4212	SD Lab	Software Development Laboratory	Ms.P.S.Prakashkumar	IT	3

Acronym	Name of the Subject	Name of the Faculty	Department	Periods / Week
	Seminar	P.Keerthana	IT	4
	Journal Preparation	Mr.N.Kannan	IT	4
	Technical Training	Mr.G.Moheshkumar	IT	4
TT	Tech talk	Mr.P.Ravi	IT	1
LIB	Library	Mr.N.Renuka	IT	01
NET	Internet Hour	Ms.K.Shanmugapriya	IT	01

Class Advisor	Dr.S.Marakkandeyan
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N.K. 20/6/22
 TIME TABLE I/C

HOD

p.m. 20/6/22
 DIRECTOR-ACADEMICS

22/6/22
 PRINCIPAL

PRINCIPAL
 K S R INSTITUTE FOR
 ENGINEERING AND TECHNOLOGY
 K S R KALVI NAGAR,
 TIRUCHENGODE-637 215,
 NAMAKKAL DI. TAMIL NADU.

ACADEMIC YEAR : 2021-2022

YEAR / SEM : II/III

SEMESTER : ODD

HALL NO : 215

With effect from : 12.08.2021

DAY / TIME	9.15 to 10.00	10.15 to 11.00	11.15 to 12.00	12.15 to 1.00	1.00 to 2.00	2.15 to 3.00	3.15 to 4.00	4.15 to 5.00	5.15 to 6.00
Monday	DS	DM	OOP	DPSD	L U N C H B R E A K	← OOPS Lab →			
Tuesday	DPSD	OOP	DM	ADC		← IPS Lab →	Self Study	--	
Wednesday	ADC	DS	DPSD	DM		← DPSD / DS Lab →			
Thursday	OOP	DPSD	DS	ADC		← DS / DPSD Lab →			
Friday	← DM →		OOP	DS		← S2D →			Self Study
Saturday	ADC	LIB	DM	Tech Talk		Dir./Hod Hr	MH	NET	--

Subject / Code	Acronym	Name of the Subject	Name of the Faculty	Dept.	Periods / Week
MA8351	DM	Discrete Mathematics	Ms. R.Kavitha	MATH	5+1
CS8351	DPSD	Digital Principles And System Design	Mr.M.Udhaya Kumar	ECE	04
CS8391	DS	Data Structures	Dr.N.B.Mahesh Kumar	IT	04
CS8392	OOP	Object Oriented Programming	Ms. M.Kanimozhi	IT	04
EC8394	ADC	Analog And Digital Communication	Ms. P.MohanaSundari	ECE	3+1

PRACTICALS

CS8381	DS Lab	Data Structures Laboratory	Dr.N.B.Mahesh Kumar (M) Dr.S.Russia (A)	IT	04
CS8383	OOP Lab	Object Oriented Programming Laboratory	Ms. M.Kanimozhi (M) Ms.P.Keerthana (A) Ms.S.Ramyadharshini (A)	IT	04
CS8382	DPSD Lab	Digital Principal System Laboratory	Mr.M.Udhayakumar Mr.M.V.Mahesh (A)	ECE	04
CS8381	IPS Lab	Interpersonal Skills/Listening & Speaking	Mr.P.Mohan	ENG	02

Acronym	Name of the Subject	Name of the Faculty	Department	Periods / Week
Dir./HoD Hour	Director/ HoD Hour	Dr.P.Meenakshi Devi / Dr.S.Russia	IT	01
S2D	Soft Skill Development	Ms.S.Gowshika	Placement	03
Tech Talk	Technical Talk	Ms.P.Keerthana	IT	01
LIB	Library	Ms.P.Keerthana	IT	01
MH	Mentor Hour	Ms.PK, Ms.NR, Ms.MNF, Mr.TSP	IT	01
NET	Internet Hour	Ms.N.Renuka	IT	01

Class Advisors

Ms.P.Keerthana. Ms.N.Renuka

HoD

9/8/21

Time Table Coordinator

9/8/21

PRINCIPAL P. MOHAN

K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY
K S & KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL DI, TAMIL NADU.

Principal

Department of Information Technology
TIME TABLE

ACADEMIC YEAR: 2021-2022
YEAR / SEM : II/IV

SEMESTER : EVEN
HALL NO : M206
With effect from : 01.03.2022

DAY / TIME	9.00 to 9.50	9.50 to 10.40	10.40 to 10.55	10.55 to 11.40	11.45 to 12.35	12.35 to 1.30	1.30 to 2.20	2.20 to 3.10	3.10 to 4.00	4.00 to 4.50
Monday	DAA	PS	B R E A K	DBMS	CA	L U N C H B R E A K	EVS	← ARW →		DAA Self study
Tuesday	EVS	CA		OS	PS		← S2D/ TT →		OS Self study	
Wednesday	OS	DBMS		CA	PS		DAA	TUT		DBMS Self study
Thursday	PS	EVS		OS	DAA		← OS LAB →			
Friday	CA	DAA		DBMS	OS		← DBMS LAB →			
Saturday	MH/ HoD/Dir	LIB		DBMS	Teck talk/ Sem		DAA	EVS	NET	CA Self study

Sub / Lab Code	Acronym	Sub. Name	Name of the Faculty	Dept	Periods / Week
MA8391	PS	Probability and Statistics	Dr. N.Kumaravel	MATHS	4
GE8291	EVS	Environmental Science and Engineering	Mr.S.Chelladurai	CHEM	3+1
CS8491	CA	Computer Architecture	Ms.N.Renuka	IT	4
CS8492	DBMS	Database Management Systems	Dr.S.Markkandeyan	IT	3+1
CS8451	DAA	Design and Analysis of Algorithms	Dr.N.B.Maheshkumar	IT	4+1
CS8493	OS	Operating Systems	Dr.S.Russia	IT	4
PRACTICALS					
CS8481	DBMS Lab	Database Management Systems Laboratory	Dr.S.Markkandeyan (M) Mr.N.Kannan (A) Ms.N.Renuka (A)	IT	4
CS8461	OS Lab	Operating Systems Laboratory	Dr.S.Russia (M) Dr.N.B.Maheshkumar(A) Ms.N.Renuka (A)	IT	4
HS8461	ARW Lab	Advanced Reading and Writing	Dr.R.Kanagaselvam	ENG	2

Acronym	Sub. Name	Name of the Faculty	Dept.	Periods/ Week
S2D/TT	Soft Skills Development/ Technical	Mrs.K.G.Lavanya Mr.R.Sivaraj/ Mr.R.Naresh	IT	3
TUT	Tutorial Hour	Dr. N.Kumaravel, Mr.M.S.Vijayaraj, Mrs.R.Kavitha	MATHS	2
Dir/HoD	Director Hour / HOD Hr	Dr.P.MeenakshiDevi/ Dr.L.Selvam	IT	1
MH	Mentor Hour	All faculty	IT	1
LIB	Library	Mrs.K.G.Lavanya	IT	1
Teck talk/Sem	Tech Talk/Seminar	Ms.P.Keerthana	IT	1
NET	Internet hour	Mrs.K.G.Lavanya	IT	1

Class Advisors & Class co-ordinator	Ms.P.Keerthana, Ms.N.Renuka
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[Signature]
HOB
26/02

[Signature]
Timetable Coordinator

[Signature]
Director (Academics)
PRINCIPAL

[Signature]
Principal

K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVI NAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL DI, TAMIL NADU.

Department Of Information Technology
TIME TABLE

ACADEMIC YEAR : 2021-2022
YEAR / SEM : III/V

SEMESTER : ODD
HALL NO : 211
With effect from : 12.08.2021

DAY / TIME	9.15 to 10.00	10.15 to 11.00	11.15 to 12.00	12.15 to 1.00	1.00 to 2.00	2.15 to 3.00	3.15 to 4.00	4.15 to 5.00	5.15 to 6.00
Monday	CN	MPMC	WT	ANT	L U N C H B R E A K	← S2D →			Self Study
Tuesday	HWM/ ISE	WT	ANT	SE		← NW/MPMC Lab →			
Wednesday	MPMC	CN	SE	WT		ANT (Tut)	MPMC (Tut)	LIB	Self Study
Thursday	ANT	SE	MPMC	HWM /ISE		← MPMC / NW Lab →			
Friday	WT	HWM/ ISE	SE	CN		← WT Lab →			
Saturday	CN	ANT	Dir./ HoD Hour	Tech Talk		MH	NET	HWM/ ISE	MPMC


Subject / Lab Code	Acronym	Name of the Subject	Name of the Faculty	Dept.	Periods / Week
MA8551	ANT	Algebra and Number Theory	Mr.S.Selvarasu Mr. N.Kumaravel	MATH	4+1
CS8591	CN	Computer Networks	Mr.T.Selvaprabhu	IT	3+1
EC8691	MPMC	Microprocessor and Micro Controller	Mr.N.Kannan	IT	4+1
IT8501	WT	Web Technology	Dr. N.B.Mahesh Kumar	IT	4
CS8494	SE	Software Engineering	Dr. P.Meenakshi Devi	IT	4
OME552	HWM	Hospital Waste Management	Ms. P. Keerthana	IT	3+1
OME553	ISE	Industrial Safety Engineering	Mr.S.Rahul	MECH	
PRATICALS					
EC8681	MPMC Lab	Microprocessor and Micro controller Laboratory	Mr.N.Kannan (M) Ms.S.Ramyadharshni(A)	ECE	4
CS8581	N/W Lab	Networks Laboratory	Mr.T.Selvaprabhu (M) Ms. P. Keerthana (A)	IT	4
IT8511	WT Lab	Web Technology Laboratory	Dr. N.B.Mahesh Kumar(M) Mr.P.S.Prakashkumar Ms.M.Ramyadharshni	IT	4

Acronym	Name of the Subject	Name of the Faculty	Department	Periods /Week
Dir./ HoD Hr	Director / HoD Hour	Dr.P.Meenakshi Devi / Dr.S.Russia	IT	1
S2D	Soft Skill Development	Ms.S.Gowshika	Placement	3
Tech Talk	Technical Talk	Ms.P.Keerthana	IT	1
LIB	Library	Ms. S.Ramyadharshni,	IT	1
MH	Mentor Hour	Ms.SSR, Mr.NK, Dr.NBM, Ms.MK	IT	1
NET	Internet Hour	Mr.N.Kannan	IT	1

Class Advisors	Ms. S.Ramyadharshni, Mr.N.Kannan
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HoD 11/8/21


Time Table Coordinator


Director-Academics


Principal

PRINCIPAL,
K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
K S R KALVINAGAR,
TIRUCHENGODE-637 215,
NAMAKKAL Dt, TAMIL NADU.

ACADEMIC YEAR: 2021-2022
YEAR / SEM : III/ VISEMESTER : EVEN
HALL NO : M211
With effect from : 01.03.2022

DAY / TIME	9.00 to 9.50	9.50 to 10.40	10.40 to 10.55	10.55 to 11.45	11.45 to 12.35	12.35 to 1.30	1.30 to 2.20	2.20 to 3.10	3.10 to 4.00	4.00 to 4.50
Monday	CI	CGM	B R E A K	MC	BDA	L U N C H B R E A K	← MAD LAB →			
Tuesday	BDA	CI		ST	OOAD		MC	← PC Lab →	CI Self study	
Wednesday	CGM	ST		CI	BDA		← OOAD LAB →			
Thursday	ST	OOAD		CGM	MC		Mini Project	NET	CGM Self study	
Friday	OOAD	BDA		CI	CGM		← S2D/ TT →		BDA Self study	
Saturday	MH/ HoD/Dir	OOAD		CI	TeckTalk/ Sem		ST	MC	Lib	OOAD Self study

Sub / Lab Code	Acronym	Sub. Name	Name of the Faculty	Dept	Periods / Week
CS8091	BDA	Big Data Analytics	Mr.R.Sivaraj	IT	4
IT8601	CI	Computational Intelligence	Mr.D.Balakrishnan	IT	4+1
CS8592	OOAD	Object Oriented Analysis and Design	Ms.P.Keerthana	IT	3+1
IT8602	MC	Mobile Communication	Mr.T.Selvaprabhu	IT	3+1
CS8092	CGM	Computer Graphics and Multimedia	Mr.R.Naresh	IT	4
IT8076	ST	Software Testing	Mr.N.Kannan	IT	3+1
PRACTICALS					
IT8611	MP	Mini Project	Dr.S.Markkandeyan Mr.S.Nandhagopal Mrs.M.Soundariya	IT	2
CS8582	OOAD	Object Oriented Analysis and Design Laboratory	Ms.P.Keerthana (M) Mr.S.Nandhagopal(A) Mr.T.Selvaprabhu (A)	IT	4
CS8662	MAD	Mobile Application Development Laboratory	Mr.T.Selvaprabhu (M) Mrs.K.G.Lavanya(A) Ms.P.Keerthana(A)	IT	4
HS8581	PC	Professional Communication	Mr.P.Mohan	ENG	2

Acronym	Sub. Name	Name of the Faculty	Department	Periods/ Week
S2D/TT	Soft Skills Development/ Technical Training	Mrs.K.G.Lavanya Mr.R.Sivaraj/ Mr.R.Naresh	IT	3
Dir/HoD	Director Hour / HOD Hour	Dr.P.MeenakshiDevi/ Dr.L.Selvam	IT	1
MH	Mentor Hour	All faculty	IT	1
LIB	Library	Mr.N.Kannan	IT	1
TeckTalk/Sem	Tech Talk/Seminar	Ms.P.Keerthana	IT	1
NET	Internet hour	Mr.S.Nandhagopal	IT	1

Class Advisor	Mr.N.Kannan
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HOD

[Signature]
PRINCIPAL,
K S R INSTITUTE FOR
ENGINEERING AND TECHNOLOGY,
TIRUCHENGODE-637 215,
NAMAKKAL Dt, TAMIL NADU.

[Signature]
Principal

TIME TABLE

ACADEMIC YEAR : 2021-2022
YEAR /SEM : IV/VII

SEMESTER : ODD
HALL NO : 201
With effect from : 12.08.2021

DAY / TIME	9.15 to 10.00	10.15 to 11.00	11.15 to 12.00	12.15 to 1.00	1.00 to 2.00	2.15 to 3.00	3.15 to 4.00	4.15 to 5.00	5.15 to 6.00
Monday	CNS	SPM	CC	POM	L U N C H B R E A K	← FOSS& CC Lab →			
Tuesday	CC	HCI	CNS	SCM		← Security Lab →			
Wednesday	SCM	POM	CC	CNS		← S2D →			Self Study
Thursday	HCI	CNS	SPM	CC		← TT →			--
Friday	SPM	SCM	POM	HCI		← TT →			--
Saturday	SCM	POM	NET	Tech Talk		MH	Dir./ HoD Hour	LIB	HCI

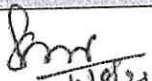
Subject / Lab Code	Acronym	Name of the Subject	Name of the Faculty	Dept.	Periods / Week
MG8591	POM	Principles of Management	Dr.S.Russia	IT	3+1
CS8792	CNS	Cryptography and Network Security	Ms.N.Renuka	IT	4
CS8791	CC	Cloud Computing	Ms.M.Nazrin Farzana	IT	4
IT8075	SPM	Software Project Management	Mr. P.S.Prakash Kumar	IT	3
CS8079	HCI	Human Computer Interaction	Ms. S.S.Ramya dharshnini	IT	3+1
OME752	SCM	Supply Chain Management	Mr.D. BalaKrishnan	IT	3+1

PRACTICALS

IT8711	FOSS & CC Lab	FOSS & Cloud Computing Laboratory	Mr. P.S.Prakash Kumar (M) Mr.D.Balakrishnan (A)	IT	04
IT8761	Security Lab	Security Laboratory	Ms.N. Renuka (M) Mr.D.Balakrishnan (A)	IT	04

Acronym	Name of the Subject	Name of the Faculty	Department	Periods / Week
Dir./HoD Hr	Director / HoD Hour	Dr.P.Meenakshi Devi / Dr.S.Russia	IT	1
S2D	Soft Skill Development	Ms.S.Gowshika	Placement	3
TT	Technical Training	Ms.M.Nazrin Farzana	IT	7
Tech Talk	Technical Talk	Ms.P.Keerthana	IT	1
LIB	Library	Ms.M.Kanimozhi	IT	1
MH	Mentor Hour	Mr.D.Balakrishnan, Mr.P.S.Prakashkumar	IT	1
NET	Internet Hour	Mr.D.Balakrishnan	IT	1

Class Advisors : Mr.D.Balakrishnan , Ms.M.Kanimozhi


HoD 18/8/21

Time Table Coordinator


Director-Academics


Principal

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Department of Information Technology

TIME TABLE

ACADEMIC YEAR : 2021-2022
YEAR / SEM : IV / VIII

SEMESTER : EVEN
HALL NO : M215
With effect from : 01.03.2022

DAY / TIME	9.00 to 9.50	9.50 to 10.40	10.40 to 10.55	10.55 to 11.40	11.45 to 12.35	12.35 to 1.30	1.30 to 2.20	2.20 to 3.10	3.10 to 4.00	4.00 to 4.50
Monday	PEE	EC	B R E A K	← Project Work (SNG) →		L U N C H B R E A K	← Project Work (MS) →			
Tuesday	EC	PEE		← Project Work (MS) →			← Project Work (NBM) →			
Wednesday	PEE	EC		← Project Work (LS) →			← Project Work (MS) →			
Thursday	EC	PEE		← Project Work (NK) →			← Project Work (PMD) →			
Friday	PEE	EC		← Project Work (SNG) →			← Project Work (NBM) →			
Saturday	MH/ HoD/Dir	LIB		NET	Teck Talk/ Sem		← Journal Writing →			

Sub / lab Code	Acronym	Sub. Name	Name of the Faculty	Dept	Periods / Week
GE8076	PEE	Professional Ethics in Engineering (E-IV)	Dr.P.Meenakshi Devi	IT	5
IT8005	EC	Electronics Commerce (E-V)	Mr.P.S.Prakash Kumar	IT	5
PRACTICALS					
IT8811	PW	Project Work	Dr.P.Meenakshidevi (3) Dr.N.B.Maheshkumar (M) (6) Dr.L.Selvam (2) Mrs.M.Soundariya (8) Mr.N.Kannan (2) Mr.S.NandhaGopal (4)	IT	25
-	-	Journal Writing	Mrs.M.Soundariya Dr.S.Markkandeyan	IT	3
-	Dir/HoD	Director Hour / HOD Hr	Dr.P.MeenakshiDevi/ Dr.L.Selvam	IT	1
-	TeckTalk/ Sem	Tech Talk/ Seminar	Ms.P.Keerthana	IT	1
OTHERS					
-	NET	Internet Hour	Dr.S.Russia	IT	01
-	LIB	Library Hour	Mr.D.Balakrishnan	IT	01

Class Advisor & Class Co-ordinator	Mr.D.Balakrishnan <i>PRINCIPAL</i>
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K S R KALVINAGAR,
TIRUCHENGODE-637 215,
TIMETABLE COORDINATOR

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Principal

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Department of Information Technology

TIME TABLE

ACADEMIC YEAR : 2021-2022
YEAR / SEM : M.E - I/I


SEMESTER : ODD
HALL NO : 202
With effect from : 07-02-2022

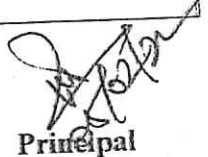
DAY / TIME	9.100 to 9.50	9.50 to 10.40	10.55 to 11.45	11.45 to 12.35	12.35 to 1.30	1.30 to 2.20	2.20 to 3.10	3.10 to 4.00	4.00 to 4.50
Monday	SA	DP	ASE	RM	L U N C H B R E A K	← DS Lab →			--
Tuesday	MMS	RM	DP	ADS		← Journal Preparation →			--
Wednesday	RM	SA	MMS	ASE		← Seminar →			--
Thursday	ASE	ADS	DP	DM (AC)		MMS	DP		
Friday	ADS	SA	MMS	ASE		Advanced Software Tools Laboratory			
Saturday	SA	DP	RM	ADS		MMS	DM (AC)	NET	--

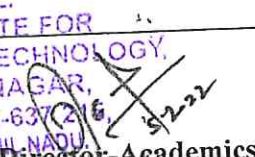
Subject / Lab Code	Acronym	Name of the Subject	Name of the Faculty	Dept.	Periods / Week
MA4157	MMS	Mathematical Modeling and Simulation	Ms. R. Kavitha	MATHS	4+1
CP4151	ADS	Advanced Data Structures and Algorithms	Dr. S. Russia	IT	3+1
SE4101	SA	Software Architecture	Dr. L. Selvam	IT	3+1
SE4151	ASE	Advanced Software Engineering	Dr. P. Meenakshidevi	IT	4
RM4151	RM	Research Methodology and IPR	Mr. P. S. Prakashkumar	IT	3+1
CP4152	DP	Database Practices	Mr. D. Balakrishnan	IT	3+1
AX4092	DM (AC)	Disaster Management – (Audit Course - I)	Mr. K. Velusamy	MECH	2
PRACTICALS					
CP4161	ADS Lab	Advanced Data Structures and Algorithms Laboratory	Mr. N. Kannan	IT	3
SE4111	AST Lab	Advanced Software Tools Laboratory	Mr. P. S. Prakashkumar	IT	3
CP4152	DP	Database Practices	Mr. T. Selvaprabhu	IT	2

Acronym	Name of the Subject	Name of the Faculty	Department	Periods / Week
AC	Audit Course	Mr. K. Velusamy	MECH	2
JP	Journal Preparation	Mr. P. S. Prakashkumar	IT	3
SEM	Seminar	Mr. T. Selvaprabhu	IT	3
NET	Internet Hour	Dr. S. Markandeyan	IT	1

Class Advisor : Mr. T. Selvaprabhu

Time Table Coordinator : 

Principal : 

Director - Academics : 

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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY**DEPARTMENT OF BIOMEDICAL ENGINEERING****COURSE PLAN**

Subject Code & Subject Name	BM8301& SENSORS AND MEASUREMENTS	Regulation	R2017
Academic Year & Semester	2021-22&ODD SEMESTER	Year/Sem.	II/III
Name of the Faculty	Dr. R.Prabu	Degree/Branch	B.E./BME
E-Mail	prathinam11@gmail.com	Mobile Number	9486410610

INTRODUCTION ABOUT SENSORS AND MEASUREMENTS

Measurement is the process of associating numbers with physical quantities and phenomena. Measurement is fundamental to the sciences; to engineering, construction, and other technical fields; and to almost all everyday activities. Measurement begins with a definition of the quantity that is to be measured, and it always involves a comparison with some known quantity of the same kind. If the object or quantity to be measured is not accessible for direct comparison, it is converted or "transduced" into an analogous measurement signal. The reference signal is derived from objects of known quantity by a process called calibration. Instrumentation can be defined as the application of instruments, in the form of systems or devices, to accomplish some specific objective in terms of measurement or control, or both.

In general, measuring systems comprise a number of functional elements. One element is required to discriminate the object and sense its dimensions or frequency. This information is then transmitted throughout the system by physical signals. If the object is itself active, it may power the signal; if passive, it must trigger the signal by interaction either with an energetic probe, such as a light source or X-ray tube.

Amplification ensures that the physical signal is strong enough to complete the measurement. All measuring systems include some method of displaying the signal to an observer. Visual display systems may comprise a calibrated chart and a pointer, an integrated display on a cathode-ray tube, or a digital readout. Measurement systems often include elements for recording. A common type utilizes a writing stylus that records measurements on a moving chart. Electrical recorders may include feedback reading devices for greater accuracy.

OBJECTIVES:


Upon completion of this course, students will be able to do the following:

- Understand the purpose of measurement, the methods of measurements, errors associated with measurements.
- Know the principle of transduction, classifications and the characteristics of different transducers
- Know the different bridges for measurement.
- Know the different display and recording devices.

APPLICATIONS:

- Monitoring of process and operation – simply indicating the value or condition of parameter under study. For Example, water and electricity meter.
- Control of process and operations – automatic control system a very strong association between measurement and control. For example, refrigeration with thermostatic control.

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PREREQUISITES:

- Basics of engineering physics.

COURSE OUTCOMES:

At the end of the course, the students will able to,

- CO1: Measure various electrical parameters with accuracy, precision, resolution.
 CO2: Select appropriate passive or active transducers for measurement of physical phenomenon.
 CO3: Select appropriate light sensors for measurement of physical phenomenon.
 CO4: Use AC and DC bridges for relevant parameter measurement.
 CO5: Employ Multimeter, CRO and different types of recorders for appropriate measurement.

PROGRAM OUTCOMES (POs)			
PO1	Engineering Knowledge	PO7	Environment and sustainability
PO2	Problem Analysis	PO8	Ethics
PO3	Design/development of solutions	PO9	Individual and team work
PO4	Conduct investigations of complex problems	PO10	Communication
PO5	Modern tool usage	PO11	Project management and finance
PO6	The Engineer and society	PO12	Life-long learning
PROGRAM SPECIFIC OUTCOMES (PSOs)			
PSO1	To design and develop diagnostic and therapeutic devices that reduces physician burnout and enhance the quality of life for the end user by applying fundamentals of Biomedical Engineering.		
PSO2	To apply software skills in developing algorithms for solving healthcare related problems in various fields of medical sector.		
PSO3	To adapt to emerging information and communication technologies (ICT) to innovate ideas and solutions for current societal and scientific issues thereby developing indigenous medical instruments that are on par with the existing technology.		

Mapping of Course outcomes (COs) to Program Outcomes (POs) and Program Specific Outcomes (PSOs)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO204.1	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-
CO204.2	2	2	1	2	2	2	-	-	-	-	-	-	-	-	-
CO204.3	2	2	1	2	-	2	-	-	-	-	-	-	-	-	-
CO204.4	2	2	1	-	-	2	-	-	-	-	-	-	-	-	-
CO204.5	2	2	1	2	-	2	-	-	-	-	-	-	-	-	-
CO204 Avg	2.2	2	1	2	2	2	-	-	-	-	-	-	-	-	-

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S. No.	Date & Hour	Topics to be covered	Duration (min)	Teaching Aid	Resour ces	Page No.
UNIT 1: SCIENCE OF MEASUREMENT						
Measurement System – Instrumentation - Classification and Characteristics of Transducers -Static and Dynamic - Errors in Measurements and their statistical analysis – Calibration – Primary and secondary standards.						
1.	12.08.21 - 5 th	Introduction	15	PPT	TI	1-7
		Measurement System	25			
		Examples	5			
2.	12.08.21 - 6 th	Recap	5	PPT	TI	8-11
		Instrumentation	35			
		Activity - RP	5			
3.	14.08.21 - 4 th	Recap	5	PPT	TI	8 – 11
		Instrumentation	35			
		Activity – Ask one exam question	5			
4.	16.08.21 - 3 rd	Recap	5	PPT	TI	935 - 950
		Classification of Transducer	10			
		Characteristics of Transducer	20			
		Activity - JAM	10			
5.	18.08.21 - 2 nd	Introduction	5	PPT	TI	24 - 58
		Static Characteristics	30			
		Activity - Quiz	10			
6.	19.08.21 - 5 th	Recap	5	PPT	TI	24 - 58
		Static Characteristics	15			
		Problem Solving	15			
		Activity – Mind Map	5			
7.	19.08.21 - 6 th	Recap	5	PPT	TI	102 - 160
		Dynamic Characteristics	30			
		Summary	15			
8.	23.08.21 - 3 rd	Introduction	5	PPT	TI	60-101
		Errors in Measurements	30			
		Activity – Observe and tell	10			
9.	25.08.21 - 2 nd	Recap	5	PPT	TI	60-101
		Statistical analysis for error measurements	30			
		Activity - Analyse and tell	10			
10.	26.08.21 - 5 th	Calibration	45	Self study	Web	
11.	26.08.21 - 6 th	Primary and secondary standards	45	Self study	R3	33-34
12.	28.08.21 - 4 th	Unit Summary	25			
		Quiz	20			
UNIT - II DISPLACEMENT, PRESSURE, TEMPERATURE SENSORS						
Strain Gauge: Gauge factor, sensing elements, configuration, and unbounded strain gauge. Capacitive transducer - various arrangements, Inductive transducer - LVDT, Passive types: RTD material's & range, relative resistance vs. temperature characteristics, thermistor characteristics, Active type: Thermocouple - characteristics.						
13.	01.09.21 - 2 nd	Introduction	5	PPT	TI	964 - 966
		Strain Gauge	5			
		Gauge factor	15			

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		Sensing elements	25			
14.	02.09.21 - 5 th	Recap	5	PPT	T1	966- 974
		configuration	20			
		Types	20			
		Activity – Memory game	5			
15.	02.09.21 - 6 th	Unbounded strain gauge	45	Self Study	T1	966- 974
16.	04.09.21 - 4 th	Introduction	5	PPT	T1	1014 - 1025
		Capacitive transducer - various arrangements	40			
17.	06.09.21 - 3 rd	Introduction	5	PPT	T1	998 - 1001
		Inductive transducer	30			
		Activity - JAM	10			
18.	06.09.21 - 8 th	Recap	5	PPT	T1	1001 - 1008
		LVDT	30			
		Applications	10			
19.	08.09.21 - 2 nd	Introduction	5	PPT	T1	975 - 979
		RTD materials & range	30			
		Activity - JAM	10			
20.	09.09.21 - 5 th	Recap	5	PPT	T1	980
		relative resistance vs. temperature characteristics	30			
		Activity - GD	10			
21.	09.09.21 - 6 th	Thermistor characteristics	30	Self Study	T1	979 - 985
		Biomedical Applications	15			
22.	20.09.21 - 3 rd	Recap	5	PPT	T1	986 - 992
		Thermocouple - characteristics	30			
		Activity -Work Together As a Team	10			
23.	23.09.21 - 6 th	Characteristics of various temperature sensors – RTD, Thermistor and Thermocouple	45	Practical	Virtual Lab	
24.	20.09.21 - 8 th	Displacement measurement using LVDT.	45	Practical	Virtual Lab	
Assignment-1 : Calibration procedure for temperature measurement and medical lab equipments in hospitals						
<u>UNIT-III PHOTOELECTRIC AND PIEZO ELECTRIC SENSORS</u>						
Phototube, scintillation counter, photo multiplier tube (PMT), photovoltaic, photo conductive cells, photo diodes, phototransistor, comparison of photoelectric transducers. Optical displacement sensors and optical encoders. Piezoelectric active transducer- Equivalent circuit and its characteristics.						
25.	22.09.21 - 2 nd	Introduction	5	PPT	T1	713 - 715
		Phototube	15			
		Photo multiplier tube (PMT)	15			
		Activity - JAM	10			
26.	23.09.21 - 5 th	Recap	5	PPT	T1	716 - 721
		Photovoltaic	15			
		Photo conductive cells	20			
		Activity – Z to A Approach	5			

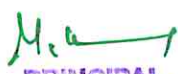
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27.	25.09.21 - 4 th	Recap	5	PPT	T1	718 - 719
		photo diodes	10			
		phototransistor	10			
		comparison of photoelectric transducers	10			
		Summary	10			
28.	27.09.21 - 3 rd	Introduction	5	PPT	T1	1062 - 1064
		Optical displacement sensors	35			
		Activity – Ask one Exam Question	5			
29.	29.09.21 - 2 nd	Recap	5	PPT	T1	1064- 1074
		optical encoders	30			
		Activity – Peer to Peer learning	10			
30.	30.09.21 - 5 th	Introduction	5	PPT	T1	1028 - 1032
		Piezoelectric active transducer	30			
		Activity – Scramble words	10			
31.	30.09.21 - 6 th	Equivalent circuit	25	Self Study	T1	1032 - 1040
		Characteristics	20			
32.	04.10.21 - 3 rd	Biomedical Applications	45	Self Study	T2	
33.	06.10.21 - 2 nd	Summary	25			
		Quiz	20			
34.	27.09.21 - 8 th	Characteristics of various light sensors – LDR	45	Practical		Virtual Lab
35.	04.10.21 - 8 th	Characteristics of various light sensors – Photodiode	45	Practical		Virtual Lab
36.	07.10.21 - 6 th	Characteristics of various light sensors – Phototransistor	45	Practical		Virtual Lab
Case study on Flexible Piezoelectric Thin-Film Energy Harvesters for Biomedical Applications						
<u>UNITIV SIGNAL CONDITIONING CIRCUITS</u>						
Functions of signal conditioning circuits, Preamplifiers, Concepts of passive filters, Impedance matching circuits, AC and DC Bridges - wheat stone bridge, Kelvin, Maxwell, Hay, Schering.						
37.	07.10.21 - 5 th	Introduction	10	PPT	T1	346- 359
		Functions of signal conditioning circuits	35			
38.	09.10.21 - 4 th	Recap	5	PPT	T1	346- 359
		Preamplifiers	30			
		Activity - Analyse and Tell	10			
39.	11.10.21 - 3 rd	Recap	5	PPT	T1	346- 359
		Concepts of passive filters	35			
		Activity – Crossword puzzle	5			
40.	11.10.21 - 8 th	Concepts of passive filters	45	Self Study	T1	361- 371
41.	13.10.21 - 2 nd	Introduction - DC Bridges	15	PPT	T1	361- 371
		wheat stone bridge	20			
		Problem solving	10			
42.	18.10.21 - 3 rd	Kelvin Bridge	35	PPT	T1	372- 378
		Activity - Brainstorm	10			
43.	20.10.21 - 2 nd	Introduction - AC Bridges	5	PPT	T1	372- 378
		Maxwell Bridge	30			
		Activity – Memory Game	10			

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	- 8 th	frequency using CRO			
60.	29.11.21 - 3 rd	Measurement of amplitude, time, frequency using CRO	45	Practical	Virtual Lab
Assignment- 3 : Recorders applications in Biomedical Equipment					

Teaching AID: PPT – Power Point Presentation, GD – General Discussion, JAM – Just A Minute, RP- Random Pick

Virtual Lab References:

- <http://vlabs.iitkgp.ernet.in/asnm/#>
- <http://sl-coep.vlabs.ac.in/List%20of%20experiments.html?domain=Electrical%20Engineering>

CONTENT BEYOND SYLLABUS

S. No.	Date & Hour	Topics	Conduction Mode	Resource Person Details	Relevant POs, PSOs
1	23.10.2021	Introduction to Patient Monitoring System	Guest Lecture	Er. K.Balasubramaniam MD, Sam Enterprises, Coimbatore	PO1,PO2, PO3, PO4, PO5, PO6, PSO1

TEXT BOOKS:




- T1 A.K.Sawhney, “Electrical & Electronics Measurement and Instrumentation”, 10th edition, Dhanpat Rai & Co, New Delhi, 19th Revised edition 2011, Reprint 2014.
- T2 John G. Webster, “Medical Instrumentation Application and Design”, 4th edition, Wiley India Pvt Ltd, New Delhi, 2015.

REFERENCE BOOKS:

- R1 Ernest O Doebelin and Dhanesh N Manik, Measurement systems, Application and design, 6th edition, McGraw-Hill, 2012.
- R2 Khandpur R.S, “Handbook of Biomedical Instrumentation”, 3rd edition, Tata McGraw-Hill, New Delhi, 2014.
- R3 Leslie Cromwell, “Biomedical Instrumentation and measurement”, 2nd edition, Prentice hall of India, New Delhi, 2015.
- R4 Albert D. Helfrick and William D. Cooper. Modern Electronic Instrumentation and Measurement Techniques”, Prentice Hall of India, 1st edition, 2016.

WEB REFERENCES:

1. <http://nptel.ac.in/>
2. <https://circuitglobe.com/category/electrical-terms/electrical-measurement>
3. https://www.tutorialspoint.com/electronic_measuring_instruments/index.html
4. <https://www.electrical4u.com/biological-amplifiers/>
5. <https://www.electrical4u.com/biomedical-transducers-types-of-biomedical-transducers/>

	Course Instructor	Module Coordinator	Program Coordinator
Name	Dr.R.Prabu	Dr.R.Prabu	Dr.R.Prabu
Designation	Professor	HoD / BME	HoD / BME
Signature	 9/8/21	 9/8/21	 9/8/21


P. Manoj
Director (Academics)

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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY
DEPARTMENT OF BIOMEDICAL ENGINEERING
COURSE PLAN



Subject Code & Subject Name	BM8351 – ANATOMY AND HUMAN PHYSIOLOGY	Regulation	R2017
Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	II/III
Name of the Faculty	Mrs. R. SWATHI SRI	Degree / Branch	B.E / BME
EMAIL ID	swathimee29@ksriet.ac.in	Mobile	8189994649

INTRODUCTION TO ANATOMY AND HUMAN PHYSIOLOGY

Anatomy and Human physiology is designed to help students learn and understand how the human body is organized and function. Equipping the students with the knowledge of anatomy and physiology will further assist the students in understanding what happens and what to do when the body is injured, diseased or placed under stress.

Anatomy is the sub-discipline of biology that studies the structure of the body. It describes (and labels in Latin) the morphology of the body: shape, size, color and position of various body parts, with particular attention to the internal organs, as visible by the naked eye. Anatomy provides the map and the tools for the study of the function of organs in the body.

Physiology further describes how the body functions, while evolutionary biology provides the explanation of the structure and the function. The body is subdivided into organ systems (e.g., respiratory, digestive, circulatory, etc.) and each system is studied separately, starting with the physiology of the whole organism and gradually going down to the level of organs, tissues, cells and molecules, ending with the biochemistry of the physiological function.

OBJECTIVES:

- To identify all the organelles of an animal cell and their function.
- To understand structure and functions of the various types of systems of human body.
- To demonstrate their knowledge of importance of anatomical features and physiology of human systems

APPLICATIONS:

- Able to understand basic structure and functions of cell.
- Explain the formation of bone, structure of muscle movement and breathing mechanism
- Demonstrate the basic knowledge of anatomy of heart and also able to analysis the grouping of blood

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- Describes the neural regulation of blood pressure, photochemistry of vision, hormone secretion by glands
- Explain the movement in GI tract, mechanism of urination and acid base regulation

PREREQUISITES:

- Rigorous, in-depth coverage of structure and function of the human body.
- Gain knowledge about the Principles of human function.

COURSE OUTCOMES:

At end of the course, the students will able to,

- CO1: To explain basic structure and functions of cell
- CO2: Learnt about anatomy and physiology of various systems of human body
- CO3: To learn the blood grouping and function of Cardiac system
- CO4: Able to explain the CNS of Human anatomy
- CO5: To explain interconnection of various systems

PROGRAM OUTCOMES (POs)			
PO1	Engineering Knowledge	PO7	Environment and sustainability
PO2	Problem Analysis	PO8	Ethics
PO3	Design/development of solutions	PO9	Individual and team work
PO4	Conduct investigations of complex problems	PO10	Communication
PO5	Modern tool usage	PO11	Project management and finance
PO6	The Engineer and society	PO12	Life-long learning
PROGRAM SPECIFIC OUTCOMES (PSO)			
PSO1	Design Skill: To design and develop diagnostic and therapeutic devices that reduces physician burnout and enhances the quality of life for the end user by applying fundamentals of Biomedical Engineering.		
PSO2	Programming Skill: To apply software skills in developing algorithms for solving healthcare related problems in various fields of Medical sector.		
PSO3	Development Skill: To adapt to emerging information and communication technologies (ICT) to innovate ideas and solutions for current societal and scientific issues thereby developing indigenous medical instruments that are on par with the existing technology.		

Mapping of course outcomes (COs) to program outcomes (POs) and Program specific outcomes (PSOs)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C203.1	3	2	2	-	-	-	-	-	-	-	-	2	-	-	-
C203.2	3	2	2	-	-	-	-	-	-	-	-	3	-	-	-
C203.3	3	2	2	-	-	-	-	-	-	-	-	1	-	-	-
C203.4	3	2	2	-	-	-	-	-	-	-	-	2	-	-	-
C203.5	3	1	2	-	-	-	-	-	-	-	-	2	-	-	-
C203 (AVG)	3	2	2	-	-	-	-	-	-	-	-	2	-	-	-

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S. No.	Date & Hour	Topics to be covered	Duration (min)	Teaching Aid	Resources	Page No.
UNIT I CELL AND TISSUE STRUCTURE						
In this unit, the structure of cell, structure and functions of sub organelles, cell Membrane, transport of across cell membrane, action potential, cell to cell signaling, cell division and types of Specialized tissues and its functions are also discussed in detail.						
1.	12/08/21 & 2	Introduction Pre-Assessment Structural organization of the cell Activity- Discussion	5 20 15 5	Online & PPT	T1	32-33
2.	14/08/21 & 6	Recap Functions of sub organelles Cell Membrane Activity - Random pick	5 15 15 10	Online & PPT	T1	33-35
3.	14/08/21 & 8	Recap Transport of substances across cell membranes Passive Transport and Active Transport Activity - Just A Minute	5 10 25 5	Self Study	T1	36-37
4.	17/08/21 & 1	Recap Membrane Potentials and Action Potentials Summary	5 35 5	Online & PPT	R1	57-71
5.	18/08/21 & 3	Recap Cell to cell signaling – Short seminar Activity – Quiz and Discussion	5 10 25	Online & PPT	W3	-
6.	19/08/21 & 2	Recap Cell division Activity – Random pick	5 30 10	Online & PPT	T1	36-37, 442-443
7.	24/08/21 & 1	Recap Types of tissues(Epithelial tissue or epithelium Connective tissue) Activity – Quiz	5 30 10	Online & PPT	T1	38-43
8.	25/08/21 & 3	Recap Types of tissues(Muscle tissue Nervous tissue) Activity – Q&A	5 30 10	Online & PPT	T1	43-45
9.	26/08/21 & 2	Recap Homeostasis Activity- Discussion	5 30 10	Online & PPT	T1	6-7

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S. No.	Date & Hour	Topics to be covered	Duration (min)	Teaching Aid	Resources	Page No.
UNIT II SKELETAL, MUSCULAR AND RESPIRATORY SYSTEMS						
In this unit, types of Bone and function of skeletal system, physiology of bone formation, division of skeleton, Types of joints and function, Types of cartilage and function. Parts of Muscle and Movements. Parts of Respiratory Systems, types of respiration, mechanisms of breathing and regulation of Respiration are also discussed in detail.						
10.	28/08/21 & 6	Introduction	5	Online & PPT	T1	390-391
		Types of bones	15			
		Structure of bones	20			
		Summary	10			
11.	31/08/21 & 1	Recap	5	Online & PPT	T1	392
		Formation of bone	25			
		Activity – Quiz	10			
12.	01/09/21 & 3	Recap	5	Online & PPT	T1	391-392
		Types of bone cells and tissues	30			
		Activity – Q&A	10			
13.	02/09/21 & 2	Recap	5	Online & PPT	T1,W1	47-49, 396-408
		Division of skeleton	5			
		Axial skeleton	15			
		Appendicular skeleton	15			
		Activity – Discussion	5			
14.	04/09/21 & 6	Recap	5	Online & PPT	T1	412-420
		Types of joints	20			
		Movements of joints	10			
		Activity – Q&A	10			
15.	04/09/21 & 8	Recap	5	Self Study	W2	-
		Types of cartilage and function	30			
		Activity – Quiz	10			
16.	07/09/21 & 1	Recap	5	Online & PPT	T1	420-430
		Muscle structure and movements	30			
		Activity – Random pick	10			
17.	08/09/21 & 3	Recap	5	Online & PPT	T1	256-259
		Mechanism of breathing	5			
		External respiration	15			
		Internal respiration	15			
		Summary	5			
18.	09/09/21 & 2	Recap	5	Online & PPT	T1	254-255
		Structural divisions of the respiratory system	15			
		Process of inspiration and expiration	15			
		Activity – Quiz	10			

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S. No.	Date & Hour	Topics to be covered	Duration (min)	Teaching Aid	Resources	Page No.
UNIT III CARDIOVASCULAR AND LYMPHATIC SYSTEMS						
In this unit, the components of blood and functions. Blood Groups and importance, structure of Heart, conducting system of heart, properties of cardiac muscle, cardiac cycle, heart beat, types of Blood vessel and regulation of heart rate and blood pressure. Parts and functions of lymphatic systems, types of lymphatic organs and vessels are also discussed in detail.						
19.	21/09/21 & 1	Recap	10	Online & PPT	T1	62-70
		Formation of blood cells and its types	5			
		RBC, WBC – short seminar	10			
		Platelets, Plasma	10			
		Blood clotting process	5			
		Summary	5			
20.	22/09/21 & 3	Recap	5	Online & PPT	T1	67-68
		Introduction to blood grouping	5			
		ABO and Rh system	5			
		Blood group testing	5			
		Normal results	5			
		Importance of grouping	10			
21.	23/09/21 & 2	Recap	5	Online & PPT	T1	87-90
		Anatomy of heart	20			
		Coronary blood vessels	15			
		Summary	5			
22.	25/09/21 & 6	Recap	5	Online & PPT	T1	92-94
		Conduction of heart	15			
		Cardiac cycle and waveform	15			
		Activity – Quiz	10			
23.	25/09/21 & 8	Recap	5	Self study	R1	106-109
		Cardiac muscle	15			
		Activity – Random pick	5			
		Heart beat	15			
		Summary	5			
24.	28/09/21 & 1	Recap	5	Online & PPT	T1	100-114
		Blood vessels types and its functions	25			
		Activity – Quiz	15			
25.	29/09/21 & 3	Recap	5	Online & PPT	T1	96-99
		Heart rate and blood pressure	10			
		Mechanism involved in controlling blood pressure	20			

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S. No.	Date & Hour	Topics to be covered	Duration (min)	Teaching Aid	Resources	Page No.
26.	30/09/21 & 2	Recap	5	Online & PPT	T1	134-135
		Parts and functions of lymphatic system	30			
		Activity – Random pick	5			
		Summary	5			
27.	05/10/21 & 1	Recap	5	Online & PPT	T1	136-139
		Lymphatic vessels	15			
		Activity – Discussion	5			
		Types of lymphatic organs	15			
		Summary	5			

UNIT IV NERVOUS AND ENDOCRINE SYSTEMS AND SENSE ORGANS

In this unit, Cells of nervous systems, types of neuron and synapses and mechanisms of nerve impulse. Parts of brain, spinal cord, tract and pathways of spines, reflex mechanism, classification of nerves, autonomic nervous systems and its functions. Pituitary and thyroid gland, Sense Organs like Eye and Ear are also discussed.

28.	06/10/21 & 3	Recap	5	Online & PPT	T1,T2	144-145, 255-264
		Peripheral nervous system	15			
		Activity – Quiz	5			
		Structure and function of neuron tissue	15			
		Summary	5			
29.	07/10/21 & 2	Recap	5	Online & PPT	T1	147-152
		Mechanism of nerve impulse	15			
		Neural regulation of blood pressure	10			
		Activity – Quiz	10			
		Summary	5			
30.	09/10/21 & 6	Recap	5	Online & PPT	T1	154-160
		Anatomy of brain	15			
		Activity – Discussion	5			
		Function of lobes	15			
31.	9/10/21 & 8	Recap	5	Self Study	T1	160-163
		Anatomy and physiology of spinal cord	25			
		Activity – Quiz	10			
		Summary	5			
32.	12/10/21 & 1	Recap	5	Online & PPT	T1,R1	163-164, 683-684
		Functional pathway of spinal cord	15			
		Activity – Discussion	5			
		Reflex mechanism of spinal	15			


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S. No.	Date & Hour	cord	Duration (min)	Teaching Aid	Resources	Page No.
		Summary	5			
33.	13/10/21 & 3	Recap	5	Online & PPT	T1,R1	173-177
		Nerve functions and its classification	15			
		Activity – Discussion	5			
		Autonomic nervous systems	15			
		Summary	5			
34.	20/10/21 & 3	Recap	5	Online & PPT	T1	217-220, 221-222
		Introduction to Endocrine System	5			
		Pituitary gland	15			
		Thyroid gland	15			
		Activity – Quiz	5			
35.	21/10/21 & 2	Recap	5	Online & PPT	T1	192-196
		Sensing organ - Ear	15			
		Activity – Discussion	5			
		Hearing mechanism	15			
		Summary	5			
36.	23/10/21 & 6	Recap	5	Online & PPT	T1	196-204
		Structure of human eye	15			
		Photochemistry of vision and color vision	10			
		Sensory physiology of olfaction	10			
		Summary	5			
UNIT V DIGESTIVE AND URINARY SYSTEMS						
In this unit, Organs of digestive system, digestion and absorption. Structure of kidney and nephron, mechanisms of urine formation, regulation of blood pressure by urinary system, urinary reflex are discussed.						
37.	02/11/21 & 1	Recap	5	Online & PPT	T2	464-472
		Introduction to digestive system	5			
		Gastrointestinal tract	25			
		Summary	5			
38.	09/11/21 & 1	Recap	5	Online & PPT	T2	476-478
		Food moving through GI tract	15			
		Activity – Discussion	5			
		Digestion of GI tract	15			
		Summary	5			
39.	10/11/21 & 3	Recap	5	Online & PPT	R1	811-817
		Absorption of GI Tract	10			
		Activity – Quiz	10			

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S. No.	Date & Hour	Topics to be covered	Duration (min)	Teaching Aid	Resources	Page No.
		Movement of GI tract	15			
40.	11/11/21 & 2	Summary	5	Online & PPT	-	-
		Recap	5			
		Revision – GI Tract	30			
		Activity – Discussion	10			
41.	13/11/21 & 6	Recap	5	Online & PPT	T1,T2	339-340, 512-516
		Anatomy of kidney – Short Seminar	15			
		Structure of nephron	15			
		Activity – Quiz	10			
42.	16/11/21 & 1	Recap		Online & PPT	T1	341-345
		Mechanism of urine formation	5			
		Filtration	10			
		Reabsorption	10			
		Secretion	10			
		Activity – Discussion	5			
		Summary	5			
43.	17/11/21 & 3	Recap	5	Online & PPT	W	-
		Acid base regulation	15			
		Activity – Discussion	5			
		Regulation of Blood pressure	15			
		Summary	5			
44.	18/11/21 & 2	Recap	5	Online & PPT	R1	311-314
		Urinary reflex	15			
		Pre-Assessment	15			
		Activity – Discussion	5			
		Summary	5			
45.	20/11/21 & 6	Recap	15	Online	-	-
		Activity – Quiz	15			
		Discussion on Quiz	15			

TEACHING AID:

C&T – Chalk and Talk, & PPT – Power Point Presentation, GD – General Discussion and SS – Short Seminar, VP – Video presentation, JAM – Just A Minute, RP - Random Pick, TPS – Show & tell.

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CONTENT BEYOND SYLLABUS

S. No.	Date & Hour	Topics	Conduction Mode	Resource Person Details	Relevant POs, PSOs
1.	20/11/21 & 8	Development and causes of cancer cells and Treatments	Online & PPT		PO1, PO2, PO3, PO12

TEXT BOOKS:

T1: Anne Waugh and Allison Grant “Ross and Wilson Physiology and Anatomy in Health and Illness”, 12th Edition, Elsevier Saunders, 2014

T2: Elaine.N. Marieb , “Essential of Human Anatomy and Physiology”, 8th Edition, Pearson Education, New Delhi, 2007

REFERENCES:

R1: Guyton & Hall, “Text book of Medical Physiology”, 13th Edition, Elsevier Saunders, 2015

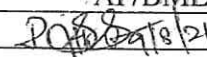
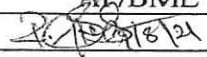
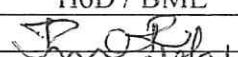
R2: William F. Ganong, MD “Review of Medical Physiology” 22nd Edition, Lange Medical Publications, 2003

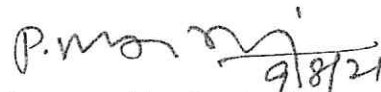
WEBSITES:

W1: <https://open.oregonstate.education/aandp/chapter/7-1-divisions-of-the-skeletal-system/>

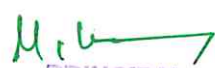
W2: <https://www.physio-pedia.com/Cartilag>

W3: <https://www.heighpubs.org/hjch/ach-aid1011.php>

	Course Instructor	Module Coordinator	Program Coordinator
Name	Mrs.R.Swathi sri	Mrs.R.Swathi sri	Dr.R.Prabhu
Designation	AP/BME	AP/BME	HoD / BME
Signature			


Director (Academics)

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Principal

Subject Code & Subject Name	BM8302 – PATHOLOGY AND MICROBIOLOGY	Regulation	R2017
Academic Year & Semester	2021 - 2022.(ODD)	Year / Sem.	II / III
Name of the Faculty	Mr. B B SANGAMESWARAN	Degree / Branch	B.E./BME
Email_id:	sangameswaranb@ksriet.ac.in	Mobile Number	8838022447

INTRODUCTION TO PATHOLOGY AND MICROBIOLOGY

Pathology describes the scientific study of disease which can be described as any abnormality that is causing changes in the structure or function of body parts. In pathology, the causes, mechanisms, and extent of disease may be examined. Pathology is a broad and complex scientific field which seeks to understand the mechanisms of injury to cells and tissues, as well as the body's means of responding to and repairing injury. Areas of study include cellular adaptation to injury, necrosis, inflammation, wound healing and neoplasia. It forms the foundation of pathology, the application of this knowledge to diagnose diseases in humans and animals.

Microbiology is the study of microscopic organisms. They may be unicellular, multicellular, or acellular. Pathology is the branch of medical sciences that deals with the examination of organs, tissues, and body fluids for the diagnosis of disease.


There are two types of Pathology:

The term "general pathology" is also used to describe the practice of both anatomical and clinical pathology.

- **Anatomic pathology** is a medical specialty that is concerned with the diagnosis of disease based on the gross, microscopic, chemical, immunologic and molecular examination of organs, tissues, and whole bodies (autopsy).
- **Clinical pathology or Laboratory medicine** is a medical specialty that is concerned with the diagnosis of disease based on the laboratory analysis of bodily fluids such as blood and urine, and tissues using the tools of chemistry, microbiology, hematology, and molecular pathology.

Diagnostic microbiology is a subsection of clinical pathology within the hospital laboratory, usually as part of a department of pathology or a department of laboratory medicine.

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OBJECTIVES:

- Gain a knowledge on the structural and functional aspects of living organisms.
- Know the etiology and remedy in treating the pathological diseases.
- Empower the importance of public health.
- To the understanding of life through enhancements and intervention of microorganisms.
- It underpins every aspect of patient care, from diagnostic testing and treatment advice to using cutting-edge genetic technologies and preventing disease.

APPLICATIONS:

- Describe the concept of neoplasia with reference to the etiology, morphological features, diagnosis and prognosis in different tissues and organs of the body.
- Describe methods involved in treating the pathological diseases.
- Demonstrate the techniques of microbial isolation, culture, and maintenance as well as the measurement of microbial growth.
- Explain the function of microscopes and various staining techniques.
- Demonstrate basic Knowledge and understanding of the immune system in health and disease.

PREREQUISITES:

Biology for Engineers.

COURSE OUTCOMES:

At the end of the course, the students will be able to,

CO1: Describe the normal homeostatic mechanisms and the pathological process in their derangement and the effects on human systems.

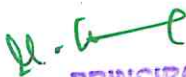
CO2: Describe the concept of hemodynamic disorders, thromboembolic disease and shock and their clinical application.

CO3: Discuss the epidemiology, gross and microscopic features, clinical presentation, and diagnostic techniques associated with different diseases in different organ systems to the extent needed for the understanding of disease processes and their clinical significance.

CO4: Understand working principle of microscope and various staining methods.

CO5: Understand basic concepts in immunology and evaluate the various immuno-techniques used in immunopathology.

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PROGRAM OUTCOMES (POs)			
PO1	Engineering Knowledge	PO7	Environment and sustainability
PO2	Problem Analysis	PO8	Ethics
PO3	Design/development of solutions	PO9	Individual and team work
PO4	Conduct investigations of complex problems	PO10	Communication
PO5	Modern tool usage	PO11	Project management and finance
PO6	The Engineer and society	PO12	Life-long learning
PROGRAM SPECIFIC OUTCOMES (PSO)			
PSO1	To design and develop diagnostic and therapeutic devices that reduces physician burnout and enhance the quality of life for the end user by applying fundamentals of Biomedical Engineering.		
PSO2	To apply software skills in developing algorithms for solving healthcare related problems in various fields of medical sector.		
PSO3	To adapt to emerging information and communication technologies (ICT) to innovate ideas and solutions for current societal and scientific issues thereby developing indigenous medical instruments that are on par with the existing technology.		

Mapping of Course outcomes (COs) to Program Outcomes (POs) and Program Specific Outcomes (PSOs)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C211.1	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-
C211.2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-
C211.3	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-
C211.4	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-
C211.5	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-
C211 (Avg.)	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-

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S. No.	Date & Hour	Topics to be covered	Duration (min)	Teaching Aid	Resources	Page No.
UNIT – I CELL DEGENERATION, REPAIR AND NEOPLASIA						
In this unit, Cell injury - Reversible cell injury and Irreversible cell injury and Necrosis, Apoptosis, Intracellular accumulations, Pathological calcification- Dystrophic and Metastatic. cellular adaptations of growth and differentiation, Inflammation and Repair including fracture healing, Neoplasia, Classification, Benign and Malignant tumors, carcinogenesis, spread of tumors Autopsy and biopsy are also discussed in detail.						
1.	12/08/21 & 3	Introduction	5	PPT & Animation	T1	25-29
		Cell structure – cell cycle -Phases of cell cycle.	30			
		Activity – Discussion	10			
2.	13/08/21 & 1	Recap	10	PPT & Animation	T1	37-38
		Cell damage – Reversible damage – homeostasis	30			
		Activity – Random pick	5			
3.	14/08/21 & 2	Recap	10	PPT	T1	34-37
		Cellular responses to cell injury	30			
		quiz – check points in cell cycle	5			
4.	17/08/21 & 3	Recap	5	PPT & Animation	T1	39-42
		Cell damage – irreversible – Necrosis and apoptosis	20			
		Quiz – TSP	5			
		Tumor suppressor genes	15			
5.	19/08/21 & 3	Recap	5	PPT & Animation	T1	65-66
		Calcification and its types	15			
		Activity – Quiz	5			
		Dystrophic and Metastatic calcification.	20			
		Summary	5			
6.	20/08/21 & 1	Recap	5	PPT & Animation	T1	12-18
		Cellular growth	15			
		Activity – Show & Tell	5			
		Cellular differentiation	15			
		Summary	5			

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7.	21/08/21 & 2	Discussion Cellular inflammation Activity – Random pick Neoplasia Summary	5 20 5 10 5	PPT & Animation	T1	75-79
8.	24/08/21 & 3	Recap Tumor and its types Activity – Show & tell Autopsy and Biopsy Summary	5 15 5 15 5	Online & PPT	T1	268- 273,277- 279
9.	26/08/21 & 3	Recap Carcinogenesis – physical and chemical Case study - 1 on cell injury Discussion on case study	5 15 10 15	GD & PPT	T1	320-323
		Assignment – 1		Fast foods and carcinogenic agents		

UNIT II FLUID AND HEMODYNAMIC DERANGEMENTS

In this unit, Edema, Hyperemia/Ischemia, normal hemostasis, thrombosis, disseminated intravascular coagulation, embolism, infarction, shock, Chronic venous congestion. Hematological disorders, Bleeding disorders, Leukaemias, Lymphomas Haemorrhage. are also discussed.

10.	27/08/21 & 1	Introduction Edema and its types Quiz – causes of Edema Inflammatory hyperemia Summary	5 15 5 15 5	Online & PPT, Videos	T1	115-118
11.	28/08/21 & 2	Recap Stages of hemostasis Activity – Random pick Thrombosis and its types Summary	5 15 5 15 5	PPT & Animation	T1	118- 123,125- 130
12.	31/08/21 & 3	Recap DIC quiz – can person survive DIC Diagnosis of DIC Summary	5 15 5 15 5	Online & PPT	T1	669-671

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13.	02/09/21 & 3	Recap	5	PPT & Animation		130-133
		Embolism	15			
		Activity – embolism vs Thrombosis	5			
		Infraction and its types	15			
		Summary	5			
14.	03/09/21 & 1	Recap	5	PPT and Videos	T1	134-138
		Shock and its stages	15			
		Activity – Random pick	5			
		CVI and its symptoms	15			
		Summary	5			
15.	04/09/21 & 2	Recap	5	PPT and Videos	T1	635-641
		Different types of bleeding disorders	15			
		Activity – common cause for Bleeding disorder	5			
		Common and rare bleeding disorders	15			
		Summary	5			
16.	07/09/21 & 3	Recap	5	PPT and Videos	T1	605-607
		4 main types of leukemia	15			
		quiz – carcinogens	5			
		Symptoms and causes	15			
		Summary	5			
17.	09/09/21 & 3	Recap	5	PPT, Video and SS	T1	611-616
		Lymphoma cancer	15			
		Activity – Show & tell – types of cancer	5			
		Hemorrhage and its types	15			
		Summary	5			
18.	11/09/21 & 2	Recap	5	GD & PPT	T1	-
		Recap of unit 2	20			
		Quiz – fluid mechanics and cancer	15			
		Discussing solutions for quiz	10			
		Case study- 2	Tumor suppressor gene and cell cycle regulation			

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UNIT- III MICROBIOLOGY

In this unit, Structure of Bacteria and Virus. Routes of infection and spread; endogenous and exogenous infections, Morphological features and structural organization of bacteria and virus, growth curve, identification of bacteria, culture media and its types, culture techniques and observation of culture. Disease caused by bacteria, fungi, protozoal, virus and helminthes are discussed in detail.

19.	21/09/21 & 3	Introduction	5	Online & PPT	T2	12- 20,430- 440
		General structure of bacteria and its types – Introduction	30			
		Quiz – bacteria in human system	5			
		Virus and its types	5			
		Summary				
20.	23/09/21 & 3	Recap	5	Online & PPT	T2	64-66
		Endogenous infections	15			
		Quiz – microbes we know?	5			
		Source & Routes of endogenous infection	15			
		Summary	5			
21.	24/09/21 & 1	Recap	5	Animation, Online & PPT	T2	66-69
		Exogenous infection	15			
		Quiz – AIDS	5			
		Source and Routes of exogenous infection.	15			
		Summary	5			
22.	25/09/21 & 2	Recap	5	Online & PPT	R3	484- 490,537- 540
		Structure and types of bacteria – gram +ve and gram -ve.	15			
		Activity – Random Pick	5			
		Bacterial growth curve	15			
		Summary	5			
23.	28/09/21 & 3	Recap	5	Online & PPT	T2	430-440
		Virus and its types	15			
		Quiz – COVID'19	5			
		Properties and growth cycle of virus	15			
		Summary	5			

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24.	30/09/21 & 3	Recap	5	Online & PPT	T2	34-39
		Different types of media	15			
		Quiz- spores seen in bread.	5			
		Enrichment and specific media	15			
		Summary	5			
25.	01/10/21 & 1	Recap	5	Online & PPT	T2	39-44
		Culture techniques in growing microbes.	15			
		Activity – observe and tell	5			
		Five I's of Microbiology	15			
		Summary	5			
26.	05/10/21 & 3	Recap	5	Online & PPT	R3	857-863,900-904,825-830
		Disease caused by bacteria and fungi	15			
		Quiz – commonly known microbial infections	5			
		Disease caused by viruses	15			
		summary	5			
27.	07/10/21 & 3	Recap	5	PPT & GD	R3	919-920
		Disease caused by helminthes	15			
		Quiz – diseases caused by microbes	5			
		Discussion – quiz solutions	15			
		Summary	5			
		Assignment – 2	Role of probiotics			

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UNIT -IV MICROSCOPES

In this unit, Light microscope – bright field, dark field, phase contrast, fluorescence, Electron microscope (TEM & SEM). Preparation of samples for electron microscope. Staining methods – simple, gram staining and AFB staining methods are discussed.

28	08/10/21 & 1	Introduction	5	Online & PPT	R3	20-23
		Microscope - principal and instrumentation	20			
		Quiz – problems in microscopic principal	5			
		Simple microscope	10			
		Summary	5			
29	09/10/21 & 1	Recap	5	Video, Online & PPT.	R3	23-26
		Principal and instrumentation of bright field microscope	15			
		activity – analyze and tell	5			
		Principal and instrumentation of dark field microscope	15			
		Summary	5			
30	09/10/21 & 8	Recap	5	Video, Animation & PPT.	R3	26-28
		Principal and instrumentation of fluorescence microscope	15			
		Quiz - BFM vs DFM	5			
		Applications of fluorescence microscopy. Electron microscope introduction.	15			
		Summary	5			
31	12/10/21 & 3	Recap	5	Video, Animation & PPT.		32-34
		TEM –principal and instrumentation	15			
		Activity- slides of different microbes under electron microscope	5			
		Sample preparation and applications	15			
		Summary	5			
32	16/10/21 & 2	Recap	5	Video, Animation & PPT.	R3	34-36
		SEM –principal and instrumentation	15			
		Activity- who am I?	5			
		Sample preparation and applications.	15			
		Summary	5			

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33	19/10/21 & 3	Recap	5	Video, PPT, & SS	R3	25-26
		Phase contrast microscope – principal and instrumentation	15			
		Quiz – SEM vs TEM	5			
		Applications of phase contrast microscope	15			
		Summary	5			
34	21/10/21 & 3	Recap.	5	Video, Animation & PPT.	T2	56-58
		Staining method - intro and principal.	15			
		Activity – who am I?.	5			
		Principal behind different dyes.	15			
		Summary	5			
35	22/10/21 & 1	Recap	5	Animation, PPT, and SS	T2	45-47
		Simple and Gram staining -	15			
		Quiz – dyes and its uses	5			
		AFB staining – introduction and principal	15			
		Summary	5			
36	23/10/21 & 2	Recap	15	PPT & GD		
		Quiz on microscopes and staining methods	15			
		Discussion on quiz	15			

UNIT- V IMMUNOPATHOLOGY

Natural and artificial immunity, types of Hypersensitivity, antibody and cell mediated tissue injury: opsonization, phagocytosis, inflammation, Secondary immunodeficiency including HIV infection. Auto-immune disorders: Basic concepts and classification, SLE. Antibodies and its types, antigen and antibody reactions, immunological techniques: immune diffusion, immuno electrophoresis, RIA and ELISA, monoclonal antibodies.

37	02/11/21 & 3	Introduction on immunology	15	Video, Animation & PPT.	T2	73-78
		Quiz – vaccination	5			
		Types of immunity.	20			
		Summary	5			
38	05/11/21 & 1	Recap	5	Video, Animation & PPT.	R3	742-747
		Hypersensitivity and its type	15			
		Activity – Who am I?	5			
		Types of hypersensitivity reactions.	15			
		Summary	5			
39	05/11/21 & 1	Recap	5	Video, Animation & PPT.	R3	742- 743, 778-780
		Antibody opsonization	15			
		Activity – random pick	5			
		Phagocytosis – applications.	15			
		Summary	5			


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40	06/11/21 & 2	Recap	5	Video, Animation & PPT.	T2	585-590
		Secondary immune deficiency – overview	15			
		Quiz – AIDS	5			
		HIV – overview.	15			
		Summary	5			
41	09/11/21 & 3	Recap	5	PPT.	R3	747-749
		Auto immune disorder – introduction	15			
		Activity – random pick	5			
		Classifications of Auto immune disorder (Addison and Graves' disease)	15			
		Summary	5			
42	11/11/21 & 3	Recap	5	PPT	R3	742-745
		Systemic lupus erythematosus (SLE) – introduction	15			
		Quiz – antibodies present in SLE	5			
		Anti-phospholipid antibodies (aPLs) – intro.	15			
		Summary	5			
43	12/11/21 & 1	Recap	5	PPT	R3	739-740
		MAB's	15			
		Quiz – affinity chromatography	5			
		Applications of MAB's and Ag-Ab reactions.	15			
		Summary	5			
44	13/11/21 & 2	Recap	5	Video and PPT	T2	92-100
		Ag-Ab's reactions	15			
		Quiz – COVID'19	5			
		Ag-Ab's reactions.	15			
		Summary	5			
45	16/11/21 & 3	Recap	15	PPT, GD		
		Quiz	15			
		Discussion on quiz	15			
		Assignment -3	Magic bullet			
46	18/11/21 & 3	Revision				
47	19/11/21 & 1	Revision				

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TEACHING AID:

C&T – Chalk and Talk, & PPT – Power Point Presentation, GD – General Discussion and SS –Short Seminar, VP – Video presentation, JAM – Just A Minute, RP-Random Pick, TPS – Show & tell.

CONTENT BEYOND SYLLABUS

S. No.	Date & Hour	Topics	Conduction Mode	Resource Person Details	Relevant POs, PSOs
1.	20/11/21 & 2	Multi drug resistance Organisms.	Online & PPT, discussion	Dr. Mythili Ganamangai	PO1, PO2, PO3, PO12

TEXT BOOKS

T1. Ramzi S Cotran, Vinay Kumar & Stanley L Robbins, "Pathologic Basis of Diseases", 7th edition, WB Saunders Co. 2005 (Units I & II).

T2. Ananthanarayanan & Panicker, "Microbiology" Orientblackswan, 2017 10th edition

REFERENCE BOOKS

R1. Underwood JCE: General and Systematic Pathology Churchill Livingstone, 3rd edition, 2000.



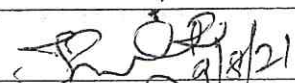
R2. Dubey RC and Maheswari DK. "A Text Book of Microbiology" Chand & Company Ltd, 2007

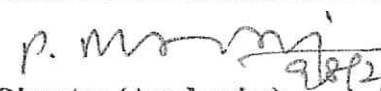
R3. Prescott, Harley and Klein, "Microbiology", 10th edition, McGraw Hill, 2017.

WEB REFERENCES:

W1: <https://ocw.mit.edu/courses/health-sciences-and-technology/hst-035-principle-and-practice-of-human-pathology-spring-2003/lecture-notes//>

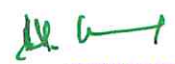
W2: <http://www.med.uottawa.ca/pathology/assets/documents/graduate/2016/GP-2016.pdf>

	Course Instructor	Module Coordinator	Program Coordinator
Name	Mr. B B Sangameswaran	Mr. B B Sangameswaran	Dr.R Prabhu
Designation	AP/BME	AP/BME	HoD / BME
Signature			


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NAMAKKIAL DI, TAMIL NADU.

Lab Code & Lab Name	BM8311 – PATHOLOGY AND MICROBIOLOGY LAB	Regulation	R2017
Academic Year & Semester	2021- 2022 (ODD)	Year / Sem.	II / III
Name of the Faculty	Mr. B B SANGAMESWARAN	Degree / Branch	B.E./BME
Email_id:	sangameswaranb@ksriet.ac.in	Mobile Number	8838022447

INTRODUCTION TO PATHOLOGY AND MICROBIOLOGY LAB

Pathology describes the scientific study of disease which can be described as any abnormality that is causing changes in the structure or function of body parts. In pathology, the causes, mechanisms, and extent of disease may be examined. Pathology is a broad and complex scientific field which seeks to understand the mechanisms of injury to cells and tissues, as well as the body's means of responding to and repairing injury. Areas of study include cellular adaptation to injury, necrosis, inflammation, wound healing and neoplasia. It forms the foundation of pathology, the application of this knowledge to diagnose diseases in humans and animals.

Microbiology is the study of microscopic organisms. They may be unicellular, multicellular, or acellular. Pathology is the branch of medical sciences that deals with the examination of organs, tissues, and body fluids for the diagnosis of disease.

OBJECTIVES:

- To Use Compound microscope.
- Practice on Urine analysis, Chemical examinations, Cryoprocessing, Histopathological examinations etc.
- Practice on various staining techniques.
- Basic Antigen - Antibody reactions.

APPLICATIONS:

- Describe the concept of urinalysis, which involves checking the appearance, concentration, and content of urine.
- Describe methods used for the medical and biological industries to aid in detection of structures within tissues.
- Explain the function of microscopes and various staining techniques.
- Demonstrate basic Knowledge and understanding of the Ag-Ab reactions.

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PREREQUISITES:

Biology for Engineers.

COURSE OUTCOMES:

At the end of the course, the students will be able to,

Student can perform practical experiments on body fluids examination, tissue processing, cryoprocessing, staining processes, Ag-Ab reactions etc.

PROGRAM OUTCOMES (POs)			
PO1	Engineering Knowledge	PO7	Environment and sustainability
PO2	Problem Analysis	PO8	Ethics
PO3	Design/development of solutions	PO9	Individual and team work
PO4	Conduct investigations of complex problems	PO10	Communication
PO5	Modern tool usage	PO11	Project management and finance
PO6	The Engineer and society	PO12	Life-long learning
PROGRAM SPECIFIC OUTCOMES (PSO)			
PSO1	To design and develop diagnostic and therapeutic devices that reduces physician burnout and enhance the quality of life for the end user by applying fundamentals of Biomedical Engineering.		
PSO2	To apply software skills in developing algorithms for solving healthcare related problems in various fields of medical sector.		
PSO3	To adapt to emerging information and communication technologies (ICT) to innovate ideas and solutions for current societal and scientific issues thereby developing indigenous medical instruments that are on par with the existing technology.		

Mapping of Course outcomes (COs) to Program Outcomes (POs) and Program Specific Outcomes (PSOs)

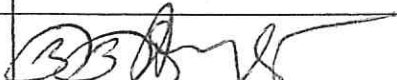

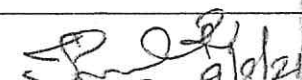
CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
C211.1	3	2	1	-	-	-	-	-	-	-	-	-	-	-	-
C211.2	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-
C211.3	3	2	2	-	-	-	-	-	-	-	-	-	-	-	-
C211.4	3	1	2	-	-	-	-	-	-	-	-	-	-	-	-
C211.5	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-
C211 (Avg.)	3	2	3	-	-	-	-	-	-	-	-	-	-	-	-

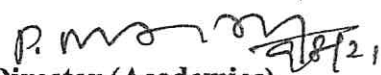
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S.No	Planned Date	Experiment	Hours
1	18/08/2021	Urine physical and chemical examination – Test for Reducing Sugar and Protein	4
2	25/08/2021	Urine physical and chemical examination –Test for Ketones, Blood and Bile pigments	4
3	01/09/2021	Study of parts of compound microscope- Histopathological slides of benign and malignant tumors.	4
4	08/09/2021	Manual paraffin tissue processing and section cutting (demonstration) and Cryo processing of tissue and Cryo sectioning (demonstration)	4
5	22/09/2021	Tissue and Cell Staining: Basic staining – Hematoxylin and eosin staining.	4
6	29/09/2021	Tissue and Cell Staining: Special stains – Cresyl fast Blue (CFV)-Trichrome – oil red O – PAS.	4
7	06/10/2021	Bacterial staining: Capsule stain and Simple stain.	4
8	13/10/2021	Bacterial staining: Gram stain and AFB stain.	4
9	20/10/2021	Slides of malarial <i>parasites</i> , <i>micro filaria</i> and <i>leishmania donovani</i> and Haematology slides of anemia and leukemia.	4
10	03/11/2021	Antigen-Antibody reaction- Immuno electrophoresis.	4
11	10/11/2021	Study of bone marrow charts	1
12	17/11/2021	Model lab	4
Content beyond syllabus			
13	10/11/2021	Isolation of microbes from various sources	3

	Course Instructor	Module Coordinator	Program Coordinator
Name	Mr. B B Sangameswaran	Mr. B B Sangameswaran	Dr.R Prabhu
Designation	AP/BME	AP/BME	HoD / BME
Signature			


Director (Academics)

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COURSE PLAN



Subject Code & Subject Name	EC8453- LINEAR INTEGRATED CIRCUITS	Regulation	R2017
Academic Year & Semester	2021-2022 (EVEN)	Year/ Sem.	II/IV
Name of the Faculty	Ms. V.D.NANDHINI	Degree/ Branch	B.E / BME
EMAIL ID	nandhini.vrd@ksriet.ac.in	Mobile	9087457627

INTRODUCTION TO LINEAR INTEGRATED CIRCUITS

A linear integrated circuit (linear IC) is a solid-state analog device characterized by a theoretically infinite number of possible operating states. It operates over a continuous range of input levels.

Integrated Circuit (IC), also called microelectronic circuit, microchip, or chip, an assembly of electronic components, fabricated as a single unit in which miniaturized active devices (e.g., transistors and diodes) and passive devices (e.g., capacitors and resistors) and their interconnections are built up on a thin substrate of semiconductor material (typically silicon).

OBJECTIVES:

- To introduce the basic building blocks of linear integrated circuits
- To learn the linear and non-linear applications of operational amplifiers
- To introduce the theory and applications of analog multipliers and PLL
- To learn the theory of ADC and DAC
- To introduce the concepts of waveform generation and introduce some special function ICs

APPLICATIONS:

- Able to understand the basic blocks of linear integrated circuits
- Explain the linear and non linear applications of opamp
- Demonstrate the basic knowledge of analog multipliers and PLL
- Describes the ADC and DAC
- Explain the generation of waveforms and introduce special function ICs

PREREQUISITES:

- Circuit Analysis
- Electronic Devices and Circuits

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COURSE OUTCOMES:

Upon completion of the course, the student should be able to,

CO1: Design linear and non linear applications of OP – AMPS

CO2: Design applications using analog multiplier and PLL

CO3: Design ADC and DAC using OP – AMPS

CO4: Generate waveforms using OP – AMP Circuits

CO5: Analyze special function ICs

PROGRAM OUTCOMES (POs)			
PO1	Engineering Knowledge	PO7	Environment and sustainability
PO2	Problem Analysis	PO8	Ethics
PO3	Design/development of solutions	PO9	Individual and team work
PO4	Conduct investigations of complex problems	PO10	Communication
PO5	Modern tool usage	PO11	Project management and finance
PO6	The Engineer and society	PO12	Life-long learning
PROGRAM SPECIFIC OUTCOMES (PSO)			
PSO1	Medical Device Design and Development: To design and develop medical devices to enhance the quality of life for the end user by applying fundamentals of biomedical engineering.		
PSO2	Computing and Automation Skills: To apply software skills in developing algorithms for solving healthcare related problems.		

Mapping of course outcomes (COs) to program outcomes (POs) and Program specific outcomes (PSOs)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO1	3	3	3	3	3	3	2	1	1	1	3	3	-	-
CO2	3	3	3	3	3	3	2	1	1	1	3	3	-	-
CO3	3	3	3	3	3	3	2	1	1	1	3	3	-	-
CO4	3	3	3	3	3	3	2	1	1	1	3	3	-	-
CO5	3	3	3	3	3	3	2	1	1	1	3	3	-	-
AVG	3	3	3	3	3	3	2	1	1	1	3	3	-	-

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S. No	Date & Hour	Topics to be covered	Duration (min)	Teaching Aid	Resources	Page No.
UNIT I BASICS OF OPERATIONAL AMPLIFIERS						
In this unit, current mirror & current sources, current sources as active load, voltage sources, voltage references, BJT differential amplifier with active loads, basic information about op-amps, ideal operational amplifier, general operational amplifier stages & internal circuit diagrams of IC 741, dc and ac performance characteristics, slew rate, open & closed loop configurations, JFET operational amplifiers LF155 & TL082 are discussed in detail.						
1	01/03/22 & 4	Introduction	5	PPT	T1	1-4
		Overview of Integrated Circuits	35			
		Activity- Discussion	10			
2	03/03/22 & 2	Recap	5	C&T	T1	65-67
		Current mirror	35			
		Activity – Quiz	10			
3	04/03/22 & 4	Recap	5	C&T	T1	68-70, 72-74
		Current source	20			
		Current sources as active load	15			
		Activity- GD	10			
4	07/03/22 & 4	Recap	5	PPT	T2	506- 510
		Voltage source	15			
		Voltage reference	20			
		Activity- Discussion	10			
5	08/03/22 & 4	Recap	5	PPT	T1	77-79, 37-40
		BJT differential amplifier with active load	20			
		Basic information about op-amps	15			
		Activity- Quiz	10			
6	10/03/22 & 2	Recap	5	PPT	T1	41-42, 53-56
		Ideal operational amplifier	15			
		General operational amplifier stages & internal circuit diagrams of IC 741	20			
		Activity- Q&A	10			
7	11/03/22 & 4	Recap	5	PPT	T1	104- 111, 111- 122
		DC and AC performance characteristics	35			
		Activity- JAM	10			

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8	14/03/22 & 4	Recap	5	PPT	T1	123- 125,
		Slew rate	15			
		open & closed loop configurations	20			
		Activity- GD	10			
9	15/03/22 & 4	Recap	5	PPT	W1	-
		JFET operational amplifiers LF155 & TL082	35			
		Activity	10			

S. No	Date & Hour	Topics to be covered	Duration (min)	Teaching Aid	Resources	Page No.
UNIT II APPLICATIONS OF OPERATIONAL AMPLIFIERS						
In this unit, sign changer, scale changer, phase shift circuits, voltage follower, v-to-i and i-to-v converters, adder, subtractor, instrumentation amplifier, integrator, differentiator, logarithmic amplifier, antilogarithmic amplifier, comparators, schmitt trigger, precision rectifier, peak detector, clipper and clamper, low-pass, high-pass and band-pass butterworth filters are discussed in detail.						
10	17/03/22 & 2	Introduction	5	C&T	T1	43&134
		Sign changer & Scale changer	20			
		Phase shift circuits	15			
		Activity – Discussion	10			
11	18/03/22 & 4	Recap	5	PPT	T1	146, 146- 147
		voltage follower	15			
		v-to-i and i-to-v converters	20			
		Activity- Quiz	10			
12	21/03/22 & 4	Recap	5	C&T	T1	135- 138, 141- 143
		Adder & Subtractor	20			
		Instrumentation Amplifier	15			
		Activity Q&A	10			
13	22/03/22 & 4	Recap	5	C&T	T1	168- 170, 164- 165
		Integrator & Differentiator	35			
		Activity- Discussion	10			
14	24/03/22 & 2	Recap	5	C&T	T1	155- 157, 157- 159
		Logarithmic amplifier	20			
		Antilogarithmic amplifier	15			
		Activity-Quiz	10			

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15	25/03/22 & 4	Recap	5	PPT	T1	207- 210, 212- 215
		Comparators	20			
		Schmitt trigger	15			
		Activity- Q&A	10			
16	28/03/22 & 4	Recap	5	PPT	T1	148- 150, 151
		Precision Rectifier	20			
		Peak detector	15			
		Activity-Quiz	10			
17	29/03/22 & 4	Recap	5	PPT	T1	151- 152
		Clipper and Clamper	35			
		Activity- GD	10			
18	31/03/22 & 2	Recap	5	PPT	T1	264- 268, 271- 272, 272
		LPF, HPF& Band pass butterworth filters	35			
		Activity- Discussion	10			

S. No	Date & Hour	Topics to be covered	Duration (min)	Teaching Aid	Resources	Page No.
UNIT III ANALOG MULTIPLIER AND PLL						
<p>In this unit, Analog Multiplier using Emitter Coupled Transistor Pair, Gilbert Multiplier cell, Variable transconductance technique, analog multiplier ICs and their applications, Operation of the basic PLL, Closed loop analysis, Voltage controlled oscillator, Monolithic PLL IC 565, application of PLL for AM detection, FM detection, FSK modulation and demodulation and Frequency synthesizing and clock synchronization are discussed in detail.</p>						
19	01/04/22 & 4	Recap	5	PPT	T2	615- 616
		Introduction	10			
		Analog Multiplier using Emitter Coupled Transistor Pair	25			
		Summary	10			
20	11/04/22 & 4	Recap	5	C&T	T2	616- 618
		Gilbert Multiplier cell	15			
		Variable transconductance technique	20			
		Activity - Quiz	10			
21	12/04/22 & 4	Recap	5	PPT	T2	618- 619
		Analog multiplier ICs and their applications	40			

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		Activity – Quiz	10			
30	05/05/22 & 2	Recap	5	C&T	T1	349- 451, 352- 353
		weighted resistor type	15			
		R2R Ladder type	20			
		Activity- Discussion	10			
31	06/05/22 & 4	Recap	5	C&T	T1	353- 355
		Voltage Mode & Current Mode R - 2R Ladder types	35			
		Activity-Quiz	10			
32	09/05/22 & 4	Recap	5	C&T	T1	526- 528, 153- 154
		switches for D/A converters	20			
		Activity- Quiz	5			
		high speed sample-and- hold circuits	15			
		Summary	5			
33	10/05/22 & 4	Recap	5	PPT	T1	366- 367, 358- 360 &361- 363
		A/D Converters – specifications	15			
		Activity – Discussion	5			
		Flash type & Successive Approximation type	20			
		Summary	5			
34	12/05/22 & 2	Recap	5	C&T	R5, T1	508- 509, 363- 365
		Single Slope type	20			
		Dual Slope type	15			
		Activity- Quiz	10			
35	12/05/22 & 8	Recap	5	PPT	R5	501- 502
		A/D Converter using Voltage-to-Time Conversion	20			
		Activity – Discussion	5			
		Over-sampling A/D Converters	15			
		Summary	5			
36	13/05/22 & 4	Recap	5	C&T	T2	599- 602
		Sigma – Delta converters	35			
		Activity- Quiz	10			

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S. No.	Date & Hour	Topics to be covered	Duration (min)	Teaching Aid	Resources	Page No.
UNIT V GENERATORS AND SPECIAL FUNCTION ICs						
In this unit, Sine-wave generators, Multivibrators and Triangular wave generator, Saw-tooth wave generator, ICL8038 function generator, Timer IC 555, IC Voltage regulators – Three terminal fixed and adjustable voltage regulators - IC 723 general purpose regulator - Monolithic switching regulator, Low Drop – Out(LDO) Regulators - Switched capacitor filter IC MF10, Frequency to Voltage and Voltage to Frequency converters, Audio Power amplifier, Video Amplifier, Isolation Amplifier, Opto-couplers and fibre optic IC are discussed in detail.						
37	23/05/22 & 4	Recap	5	PPT	T1	222- 228, 216-220
		Sine-wave generators	20			
		Multivibrators	20			
		Summary	5			
38	24/05/22 & 2	Recap	5	PPT	T1, T2	220- 222, 476-478
		Triangular wave generator	20			
		Activity – Discussion	5			
		Saw-tooth wave generator	15			
		Summary	5			
39	26/05/22 & 2	Recap	5	PPT	T2	479- 481, 465-469
		ICL8038 function generator	20			
		Activity – Quiz	5			
		Timer IC 555	15			
		Summary	5			
40	27/05/22 & 4	Recap	5	PPT	T1	241-247
		IC Voltage regulators – Three terminal fixed and adjustable voltage regulators	35			
		Activity- Discussion	10			
41	30/05/22 & 4	Recap	5	PPT	T1	248- 254, 255-258
		IC 723 general purpose regulator	15			
		Monolithic switching regulator	20			
		Activity – Quiz	10			
42	31/05/22 & 4	Recap	5	PPT	T1	298-300
		Low Drop – Out(LDO) Regulators	15			
		Switched capacitor filter IC MF10	20			

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		Activity – Discussion	5			
43	31/05/22 & 8	Recap	5	PPT	T2	486-492
		Frequency to Voltage, Voltage to Frequency converters	35			
		Activity- Quiz	10			
44	02/06/22 & 2	Recap	5	PPT	W2, W3, W4	-
		Audio Power amplifier, Video Amplifier, Isolation Amplifier	35			
		Activity- Discussion	10			
45	02/06/22 & 8	Recap	5	PPT	W5	-
		Opto-couplers, Fiber optic IC	35			
		Activity- Discussion	10			
46	10/06/22 & 4	Revision	50	GD	-	-

TEACHING AID:

C&T – Chalk and Talk, & PPT – Power Point Presentation, GD – General Discussion and SS – Short Seminar , VP – Video presentation, JAM – Just A Minute, RP - Random Pick, TPS – Show & tell

CONTENT BEYOND SYLLABUS

S.No	Date & Hour	Topics	Conduction Mode	Resource Person Details	Relevant Pos, PSOs
1.	26/05/22 & 8	Integrated Circuits Manufacturing	VP & PPT	Mr.B.JaiBharath Sibi, Engineer, Avalon technology pvt Ltd	PO1,PO3, PO9, PO12

TEXT BOOKS:

T1: D.Roy Choudhry, Shail Jain, —Linear Integrated Circuits, New Age International Pvt. Ltd., 2018, Fifth Edition. (Unit I – V)

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T2: Sergio Franco, —Design with Operational Amplifiers and Analog Integrated Circuitsl, 4th Edition, Tata Mc Graw-Hill, 2016 (Unit I – V)

REFERENCES:

R1: Ramakant A. Gayakwad, —OP-AMP and Linear ICsl, 4th Edition, Prentice Hall / Pearson Education, 2015.

R2: Robert F.Coughlin, Frederick F.Driscoll, —Operational Amplifiers and Linear Integrated Circuitsl, Sixth Edition, PHI, 2001.

R3: B.S.Sonde, —System design using Integrated Circuitsl , 2nd Edition, New Age Pub, 2001.

R4: Gray and Meyer, —Analysis and Design of Analog Integrated Circuitsl, Wiley International,5th Edition, 2009.

R5: William D.Stanley, —Operational Amplifiers with Linear Integrated Circuitsl, Pearson Education,4th Edition,2001. 6. S.Salivahanan & V.S. Kanchana Bhaskaran, —Linear Integrated Circuitsl, TMH,2nd Edition, 4 th Reprint, 2016.

WEBSITES:

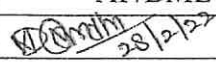
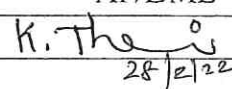
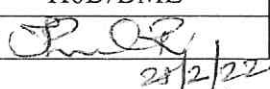
W1: https://www.rcet.org.in/uploads/academics/rohini_17004334342.pdf

W2: <http://hig.diva-portal.org/smash/get/diva2:429678/fulltext01>

W3: <https://www.ti.com/lit/pdf/sloa057>

W4: <https://www.watelectronics.com/what-is-an-isolation-amplifier-working-its-applications/>

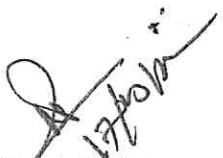
W5: https://www.rcet.org.in/uploads/academics/rohini_36291386786.pdf

	Course Instructor	Module Coordinator	Program Coordinator
Name	Ms. V.D.Nandhini	Mr.K.Thamizhazhakan	Dr.R.Prabu
Designation	AP/BME	AP/BME	HoD/BME
Signature	 28/2/22	 28/2/22	 28/2/22


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COURSE PLAN



Subject Code & Subject Name	EC8392 – DIGITAL ELECTRONICS	Regulation	R2017
Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	II / IV
Name of the Faculty	Mr. K. THAMIZHAZHAKAN	Degree / Branch	B.E / BME
EMAIL ID	tamilecesec@ksriet.ac.in	Mobile	7418546927

INTRODUCTION TO DIGITAL ELECTRONICS

Digital Electronics is a field of electronics involving the study of digital signals and the engineering of devices that use or produce them. This is in contrast to analog electronics and analog signals. Digital electronic circuits are usually made from large assemblies of logic gates, often packaged in integrated circuits. Complex devices may have simple electronic representations of Boolean logic functions.

We know there are two types of signals, one is analog or continuous signal and the second one is Digital or discrete signal. So the science or field of research in the area of engineering is termed as Analog and **Digital Electronics** respectively. Now coming to the area of Digital Electronics, it is essential to understand wide range of applications from industrial electronics to the fields of communication, from micro embedded systems to military equipment. The main and perhaps the most revolutionary advantage of digital electronics is the decrease in size and the improvement in technology.

We have chosen to discuss various topics of **Digital Electronics** from the very fundamentals of this subject such as Number systems, logic circuits going deep into those topics, like discussing various types of number systems, which we should use and how, inter relation among those number systems to the somewhat tougher concepts of Digital Electronics like TTL, PMOS-NMOS logic, Flip Flops etc. to get an idea about the whole subject.

All the topics of the related articles have been presented by diagrams, designs, tables and examples to make every topic understandable as much as possible.

OBJECTIVES:

- To present the Digital fundamentals, Boolean algebra and its applications in digital systems
- To familiarize with the design of various combinational digital circuits using logic gates
- To introduce the analysis and design procedures for synchronous and asynchronous sequential circuits
- To explain the various semiconductor memories and related technology
- To introduce the electronic circuits involved in the making of logic gates

APPLICATIONS:

- Able to understand the digital circuits are a part of all the important electronic devices.
- Explain the applications including calculators, digital measuring techniques, computers, digital processing, automatic control of machines, industrial processing, digital communications, etc.

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- Demonstrate the basic knowledge of Sequential circuits like shift registers, flip-flops, counters, clock etc.,
- Describes the need for such asynchronous circuits stems largely from intrinsically asynchronous specifications.
- Explain the operation of memory devices and digital integrated circuits

PREREQUISITES:

- Digital electronics is the concept of **Digital computers**. A good understanding of the core concepts of computer is required to understand the concept of digital electronics better.

COURSE OUTCOMES:

At end of the course, the students will able to,

- CO1: To Use digital electronics in the present contemporary world
- CO2: To Design various combinational digital circuits using logic gates
- CO3: To analysis and design procedures for synchronous and asynchronous sequential Circuits
- CO4: Able to use the semiconductor memories and related technology
- CO5: To use electronic circuits involved in the design of logic gates

PROGRAM OUTCOMES (POs)			
PO1	Engineering Knowledge	PO7	Environment and sustainability
PO2	Problem Analysis	PO8	Ethics
PO3	Design/development of solutions	PO9	Individual and team work
PO4	Conduct investigations of complex problems	PO10	Communication
PO5	Modern tool usage	PO11	Project management and finance
PO6	The Engineer and society	PO12	Life-long learning
PROGRAM SPECIFIC OUTCOMES (PSO)			
PSO1	Medical Device Design and Development: design and develop medical devices to enhance the quality of life for the end user by applying fundamentals of Biomedical Engineering.		
PSO2	Computing and Automation Skills: Apply software skills in developing algorithms for solving healthcare related problems.		

Mapping of course outcomes (COs) to program outcomes (POs) and Program specific outcomes (PSOs)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PS
C203.1	3	3	3	3	3	3	2	1	1	1	3	3	-	-
C203.2	3	3	3	3	3	3	2	1	1	1	3	3	-	-
C203.3	3	3	3	3	3	3	2	1	1	1	3	3	-	-
C203.4	3	3	3	3	3	3	2	1	1	1	3	3	-	-
C203.5	3	3	3	3	3	3	2	1	1	1	3	3	-	-
C203 (AVG)	3	3	3	3	3	3	2	1	1	1	3	3	-	-

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S. No.	Date & Hour	Topics to be covered	Duration (min)	Teaching Aid	Resources	Page No.
UNIT I DIGITAL FUNDAMENTALS						
In this unit, Number Systems , Decimal, Binary, Octal, Hexadecimal, 1's and 2's complements, Codes – Binary, BCD, Excess 3, Gray, Alphanumeric codes, Boolean theorems, Logic gates, Universal gates, Sum of products and product of sums, Minterms and Maxterms, Karnaugh map Minimization and Quine-McCluskey method of minimization are also discussed in detail.						
1.	08/03 & 5	Introduction	10	C&T	T1	1-8
		Number Systems - Decimal, Binary, Octal, Hexadecimal.	10			
		Number System Conversion - Problems	25			
		Activity - Discussion	5			
2.	10/03 & 1	Recap	5	C&T	T1	9-13
		1's and 2's complements	25			
		Codes – Binary, BCD, Excess 3, Gray, Alphanumeric codes	15			
		Summary	5			
3.	10/03 & 6	Recap	5	C&T	T1	17-27
		Binary to BCD and BCD to Binary	15			
		Excess 3 to Gray and Gray to Excess 3	25			
		Activity – Q&A	5			
4.	10/03 & 7	Recap	5	C&T	T1	34-53
		Alphanumeric codes	15			
		Boolean theorems	20			
		Activity – Quiz	10			
5.	14/03 & 3	Recap	5	C&T	T1	55-66
		Logic gates, Universal gates	20			
		Sum of products	20			
		Activity – Q&A	5			
6.	15/03 & 5	Recap	5	C&T	T1	81-95
		product of sums	15			
		Example Problems	20			
		Summary	10			
7.	17/03 & 1	Recap	5	C&T	T1	46-54
		Minterms and Maxterms	35			
		Activity- Discussion	10			
8.	17/03 & 6	Recap	5	C&T	T1	67-86
		Karnaugh map Minimization	15			
		Example Problems	25			
		Activity – Q&A	5			
9.	17/03 & 7	Recap	5	C&T	T1	112-120
		Quine-McCluskey method of minimization	35			
		Activity- Discussion	10			

UNIT II COMBINATIONAL CIRCUIT DESIGN

In this unit, Design of Half and Full Adders, Half and Full Subtractors, Binary Parallel Adder – Carry look ahead Adder, BCD Adder, Multiplexer, Demultiplexer, Magnitude Comparator, Decoder, Encoder, Priority Encoder are also discussed in detail.

10.	21/03 & 3	Introduction	5	C&T	T1	143-146
		Design of Half and Full Adders	35			
		Summary	10			
11.	22/03 & 5	Recap	5	C&T	T1	151-152
		Design of Half and Full Subtractors	35			
		Activity – Q&A	10			
12.	24/03 & 1	Recap	5	C&T	T1	146-147
		Binary Parallel Adder	35			
		Summary	10			
13.	24/03 & 6	Recap	5	C&T	T1	147-150
		Carry look ahead Adder	35			
		Activity – Discussion	10			
14.	24/03 & 7	Recap	5	C&T	T1	168-174
		Multiplexer, Demultiplexer	15			
		Example Problems	25			
		Activity – Q&A	5			
15.	28/03 & 3	Recap	5	C&T	T1	160-162
		Magnitude Comparator	35			
		Activity – Discussion	10			
16.	29/03 & 5	Recap	5	C&T	T1	162-163
		Decoder & Problems	35			
		Activity – Random pick	10			
17.	31/03 & 1	Recap	5	C&T	T1	166-167
		Encoder & Problems	35			
		Summary	10			
18.	31/03 & 6	Recap	5	C&T	T1	167-168
		Priority Encoder	35			
		Activity – Quiz	10			

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UNIT IV ASYNCHRONOUS SEQUENTIAL CIRCUITS

In this unit, Stable and Unstable states, output specifications, cycles and races, state reduction, race free assignments, Hazards, Essential Hazards, Pulse mode sequential circuits, Design of Hazard free circuits are also discussed.

28.	26/04 & 5	Introduction	5	C&T	T1	434-435
		Stable and Unstable states	35			
		Activity – Quiz	10			
29.	28/04 & 1	Recap	5	C&T	T1	436-451
		Output specifications, Cycles and Races	35			
		Summary	10			
30.	28/04 & 6	Recap	5	C&T	T1	451-457
		State Reduction Method	35			
		Activity – Discussion	10			
31.	28/04 & 7	Recap	5	C&T	T1	457-464
		Race free assignments	35			
		Summary	10			
32.	05/05 & 1	Recap	5	C&T	T1	469-472
		Hazards & Problems	35			
		Activity – Discussion	10			
33.	05/05 & 6	Recap	5	C&T	T1	473-479
		Essential Hazards	35			
		Summary	10			
34.	05/05 & 7	Recap	5	C&T	T1	479-480
		Essential Hazards - Problems	35			
		Summary	10			
35.	09/05 & 3	Recap	5	C&T	T1	480-481
		Pulse mode sequential circuits	35			
		Activity – Discussion	10			
36.	10/05 & 5	Recap	5	C&T	T1	474-479
		Design of Hazard free circuits	35			
		Summary	10			

UNIT V MEMORY DEVICES AND DIGITAL INTEGRATED CIRCUITS

In this unit, Basic memory structure – ROM - PROM – EPROM – EEPROM – EAPROM, RAM – Static and dynamic RAM - Programmable Logic Devices – Programmable Logic Array (PLA) - Programmable Array Logic (PAL) – Field Programmable Gate Arrays (FPGA) - Implementation of combinational logic circuits using PLA, PAL.

Digital integrated circuits: Logic levels, propagation delay, power dissipation, fan-out and fanin, noise margin, logic families and their characteristics-RTL, TTL, ECL, CMOS are discussed.

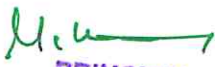
37.	12/05 & 1	Introduction	5	C&T	T1	322-328
		Basic memory structure ROM - PROM - EPROM - EEPROM - EAPROM	35			
		Summary	10			

38.	12/05 & 6	Recap	5	C&T	T1	308-314
		RAM – Static and dynamic RAM	35			
		Activity – Discussion	10			
39.	12/05 & 7	Recap	5	C&T	T1	328-331
		Programmable Logic Devices – Programmable Logic Array (PLA)	25			
		Problems	15			
		Summary	5			
40.	23/05 & 3	Recap	5	C&T	T1	332-335
		Programmable Array Logic (PAL) & Problems	35			
		Activity – Discussion	10			
41.	24/05 & 5	Recap	5	C&T	T1	328-335
		Field Programmable Gate Arrays (FPGA)	35			
		Activity – Quiz	10			
42.	26/05 & 1	Recap	5	C&T	T1	351-354
		Implementation of combinational logic circuits using PLA, PAL	35			
		Summary	5			
43.	26/05 & 6	Recap	5	C&T	T1	355-360
		Digital integrated circuits: Logic levels, propagation delay, power dissipation, fan-out and fan in, noise margin, logic families and their characteristics	35			
		Activity – Discussion	10			
44.	26/05 & 7	Recap	5	C&T	T1	496-498
		RTL, TTL	35			
		Activity – Q & A	10			
45.	30/05 & 3	Recap	5	C&T	T1	518-520
		ECL, CMOS	35			
		Activity – Quiz	10			

TEACHING AID:

C&T – Chalk and Talk, & PPT – Power Point Presentation, GD – General Discussion and SS – Short Seminar, VP – Video presentation, JAM – Just A Minute, RP – Random Pick, TPS – Show & tell.

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CONTENT BEYOND SYLLABUS

S. No.	Date & Hour	Topics	Conduction Mode	Resource Person Details	Relevant POs, PSOs
1.	02/06 & 6	Design of 4 bit computer system	C&T	Mrs. B.Latha AP / KSR IET	PO8, PO9, PO10,PSO1

TEXT BOOKS:

T1: M. Morris Mano and Michael D. Ciletti, "Digital Design", 5th Edition, Pearson, 2014.

REFERENCES:

R1: Charles H.Roth. "Fundamentals of Logic Design", 6th Edition, Thomson Learning, 2013.

R2: Thomas L. Floyd, "Digital Fundamentals", 10th Edition, Pearson Education Inc, 2011

R3: S.Salivahanan and S.Arivazhagan "Digital Electronics", Ist Edition, Vikas Publishing House p 2012.

R4: Anil K.Maini "Digital Electronics", Wiley, 2014.

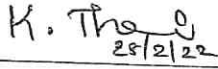
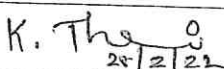

R5: A.Anand Kumar "Fundamentals of Digital Circuits", 4th Edition, PHI Learning Private Limited,

R6: Soumitra Kumar Mandal " Digital Electronics", McGraw Hill Education Private Limited, 2016.

WEBSITES:

W1: <https://www.eeweb.com/building-a-4-bit-computer-from-the-ground-up/>

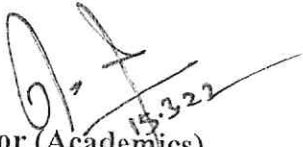
W2: https://www.uco.es/~ff1mumuj/h_intro.htm


	Course Instructor	Module Coordinator	Program Coordinator
Name	Mr.K.Thamizhazhakan	Mr.K.Thamizhazhakan	Dr.R.Prabu
Designation	AP/BME	AP/BME	HOD / BME
Signature	K. The  25/2/22	K. The  25/2/22	 28/2/22

ATTESTED.



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Director (Academics)


Principal

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY
COURSE PLAN



Subject Code & Subject Name	BM8411- INTEGRATED CIRCUITS LABORATORY	Regulation	R2017
Academic Year & Semester	2021-2022 (EVEN)	Year/ Sem.	II/ IV
Name of the Faculty	Mr.K.THAMIZHAZHAKAN	Degree/ Branch	B.E / BME
EMAIL ID	tamilecesec@ksriet.ac.in	Mobile	7418546927

INTRODUCTION TO INTEGRATED CIRCUITS:

Integrated Circuit (IC), also called microelectronic circuit, microchip, or chip, an assembly of electronic components, fabricated as a single unit in which miniaturized active devices (e.g., transistors and diodes) and passive devices (e.g., capacitors and resistors) and their interconnections are built up on a thin substrate of semiconductor material (typically silicon).

Monolithic IC, all circuit components, both active and passive elements and their interconnections are manufactured into or on the top of a single chip of silicon.

Hybrid IC, separate component parts are attached to a ceramic substrate and interconnected by means of either metallization pattern or wire bonds.

OBJECTIVES:

- To expose the students to linear and integrated circuits
- To understand the basics of linear integrated circuits and available ICs
- To understand characteristics of operational amplifier.
- To apply operational amplifiers in linear and nonlinear applications.
- To acquire the basic knowledge of special function IC.
- To use SPICE software for circuit design

APPLICATIONS:

- Describe the characteristics of IC
- Able to understand the characteristics of operational amplifier
- Describe the applications of electronics in day to day life
- Demonstrate the basic knowledge and understanding of theoretical laws, different circuit components and their functioning in electronics

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PREREQUISITES:

- Engineering practices Laboratory
- Devices and Circuits Laboratory

COURSE OUTCOMES:

At the end of the course, the student should be able to:

- Design oscillators and amplifiers using operational amplifiers
- Design filters using Op-amp and perform experiment on frequency response
- Analyze the working of PLL and use PLL as frequency multiplier
- Design DC power supply using ICs
- Acquire knowledge in using SPICE

PROGRAM OUTCOMES (POs)			
PO1	Engineering Knowledge	PO7	Environment and sustainability
PO2	Problem Analysis	PO8	Ethics
PO3	Design/development of solutions	PO9	Individual and team work
PO4	Conduct investigations of complex problems	PO10	Communication
PO5	Modern tool usage	PO11	Project management and finance
PO6	The Engineer and society	PO12	Life-long learning
PROGRAM SPECIFIC OUTCOMES (PSO)			
PSO1	Medical Device Design and Development: design and develop medical devices to enhance the quality of life for the end user by applying fundamentals of Biomedical Engineering.		
PSO2	Computing and Automation Skills: Apply software skills in developing algorithms for solving healthcare related problems.		

Mapping of course outcomes (COs) to program outcomes (POs) and Program specific outcomes (PSOs)

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	P10	P11	P12	PSO1	PSO2
CO1	3	3	3	3	3	3	2	1	3	1	3	3	-	-
CO2	3	3	3	3	3	3	2	1	3	1	3	3	-	-
CO3	3	3	3	3	3	3	2	1	3	1	3	3	-	-
CO4	3	3	3	3	3	3	2	1	3	1	3	3	-	-
CO5	3	3	3	3	3	3	2	1	3	1	3	3	-	-
AVG	3	3	3	3	3	3	2	1	3	1	3	3	-	-

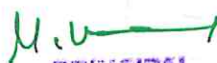
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S.NO	Planned Date		Name of the Experiments
	Batch 1	Batch 2	
1	14.03.2022	09.03.2022	Design and testing of Inverting, Non inverting and Differential amplifiers
2	14.03.2022	09.03.2022	Design and testing of Integrator and Differentiator
3	21.03.2022	16.03.2022	Design and testing of Instrumentation amplifier
4	21.03.2022	16.03.2022	Design and simulation of Active low-pass, High-pass and band-pass filters
5	28.03.2022	23.03.2022	Design and testing of Astable & Monostable multivibrators and Schmitt Trigger using op-amp
6	28.03.2022	23.03.2022	Design and testing of RC Phase shift and Wien bridge oscillators using op-amp
7	11.04.2022	30.03.2022	Design and simulation of Astable and monostable multivibrators using NE555 Timer

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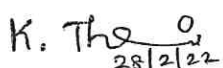
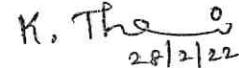

8	11.04.2022	30.03.2022	Testing of PLL characteristics and its use as Frequency Multiplier.
9	18.04.2022	13.04.2022	Testing of DC power supply using LM317 and LM723
10	18.04.2022	13.04.2022	Design and implementation of code converters using logic gates (i) BCD to excess-3 code and vice versa (ii) Binary to gray and vice-versa
11	25.04.2022	20.04.2022	Design and implementation of 4 bit binary Adder/ Subtractor and BCD adder using IC 7483
12	25.04.2022	20.04.2022	Design and implementation of Multiplexer and De- multiplexer using logic gates
13	09.05.2022	27.04.2022	Design and implementation of encoder and decoder using logic gates
14	09.05.2022	04.05.2022	Construction and verification of 4 bit ripple counter and Mod-10 / Mod-12 Ripple counters
15	23.05.2022	11.05.2022	Design and implementation of 3-bit synchronous up/down counter

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16	23.05.2022	25.05.2022	Implementation of SISO, SIPO, PISO and PIPO shiftregisters using Flip- flops.
17	30.05.2022	01.06.2022	SPICE Simulation studies.
CONTENT BEYOND SYLLABUS			
18	30.05.2022	01.06.2022	Design and implementation of logic gates

	Course Instructor	Module Coordinator	Program Coordinator
Name	Mr.K.Thamizhazhakan	Mr.K.Thamizhazhakan	Dr.R.Prabu
Designation	AP/BME	AP/BME	HOD/BME
Signature	K. The  28/2/22	K. The  28/2/22	 28/2/22

ATTESTED.


Director (Academics)


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Principal

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Department Advisory Committee

Minutes of Meeting

Period: August 2021 – Dec 2021


Date of Meeting: 06.08.2021

Venue: Google meet


With reference to the circular dated 30.07.2021, Department Advisory Committee has been assembled through google meet for discussion of the various agenda.

The HOD, Convener of the Department Advisory Committee welcomed the members and presented the activities of the department executed during 2020- 21 and the activities planned for the academic year 2021 – 2022. The following are the actions taken on the performance of the department


S. No	Agenda	Discussion/Action taken	Resp	Target
1.	Review of previous IQAC Meeting Suggestions	The recommendations received from the IQAC were discussed and planned for implementation	PC	C
2.	Review of Governing council suggestions	Governing Council suggestions are reviewed and program coordinator suggested for implementation.	PC	C
3.	Review of DAC meeting comments and approval of academic activities	Previous Semester DAC meeting comments were reviewed and academic activities were approved by the DAC members.	PC	C
4.	Approval of faculty/staff appointment and reliving	The details of newly appointed Faculty/staff for 2021-22 and those who have relieved in 2020-21 were approved.	PC	C
5.	Review of Department	The stakeholders recommendations on change of	PC	C


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	Vision, Mission, PEO, PSO and POs	Vision, Mission, PEO, PSO and Pos were discussed. There were no feedbacks on changes. It is decided to continue.		
6.	Level & Target Prescription	The Course Outcome attainment level prescription for the student batches 2018-2022, 2019-2023, 2020-2024 were discussed and formulated as follows: Level 1: <45% of students securing 'B+' grade and above in each course Level 2: 46% to 55 % of students securing 'B+' grade and above in each course Level 3: >55% of students securing 'B+' grade and above in each course	PC	C
7.	Discussion of UG & PG curriculum and syllabus	Regulation 2017 for VIII semester curriculum and syllabus were analyzed and discussed for better performance. Suggested to identify gaps in curriculum and organize online webinars to fill them.	PC	C
8.	Quality Assurance Initiatives	Progress of NAAC were discussed.	PC	C
9.	Budget allocation and utilization approval	The utilization report for the academic year 2020-21 was approved after reviewing. The Budget proposal for 2021- 22 was approved after elaborate discussion and submitted to IQAC.	PC	C
10.	Admission/Enrollment details	Measures taken for Improve the admission were discussed. Still it is found core branch admission is not upto the level.	PC	C
11.	Analysis on PEO, PO and PSO attainment.	Waiting for Results	PC	C
12.	Analysis on Placement and Training activities	The percentage of placement, Entrepreneur and higher education for the academic year 2019-	PC	C


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		2020 is 81.6%. The Placement attainment of this academic year is better than the previous year. The committee suggested to improve core placements		
13.	Analysis on Students Academic Performance and CO attainment	Previous year CO attainment has been analyzed and found that courses are not attained and recommendation given by MC were analyzed and approved.	PC	C
14.	Mentoring and counseling	The mentor mentee were allocated. The Mentors are instructed to follow their mentees through phone calls in all aspects and support them in academics and personal.	PC	C
15.	Industry Institution Interaction	Students' are motivated cautiously to attend more online webinars organized through Industry Institution Interaction cell to improve industry interaction.	PC	C
16.	IPT/Internship/Industry Project	Students' interaction with industries in terms of internship, industrial projects, Inplant training is appreciable. Internships through NPTEL Internsha is also planned and encouraged among the students.	PC	C
17.	Value added courses/Add Ons certification courses/workshops organised	It was planned to conduct value added courses through online for the benefit of students. II Year – PIC Micro controller and NI Multisim III Year – Matlab for Electrical Engineers and IOT IV Year – Java and AUTOCAD	PC	C
18.	Extra – curricular activities through sports	BEES association were inaugurated for this academic year with new office barriers. Many Activities were planned through online and students are motivated to participation in the Extra-curricular activities.	PC	C


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19.	Student performance in competitive exams	Student participations in competitive exams are appreciable. Online Mock test and also GATE coaching class for competitive exams is arranged to ensure the student participation and clearing the exam.	PC	C
20.	Student Cells, clubs and forum activities	Students are encouraged to attend more online seminars to improve their interpersonal skills. To inculcate team spirit and ethical values students are motivated to participate in co-curricular activities. IIC organized events has increased mass involvement in various activities and is highly appreciated	PC	C
21.	Analysis on feedback from Academic Review, Class Committee Meeting and Student's feedback	Feedback through Academic review, Class committee meeting and students feedback collection has been carried out periodically and actions are taken on the suggestions. The analysis report is reviewed and submitted to IQAC	PC	C
22.	Analysis on feedback obtained from Stakeholders	Feedback received from the stakeholders were discussed and it seems to be good. Suggestion for improvement given by various stakeholders are reviewed and submitted to IQAC for ratification	PC	C
23.	Conduct of academic and financial audits	It was planned to conduct three academic audits per semester and financial audit every month. The reports are submitted for review.	PC	C
24.	Faculty development initiatives	Attending FDP was made mandatory. It is suggested to attend ATAL online FDP and various activities organized by ICT ACADEMY. Faculty members are suggested to apply funding proposals and seminar grants. It is suggested to publish journals and books. All Faculty members were suggested to do NPTEL courses.	PC	C


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25.	R&D activities	Activities of R & D cell have been analyzed and the committee encouraged filing patents of the innovative student project and faculty research work. Further the faculty members are asked to motivate the students to submit projects PALS Innwoah, TNSCST, LNNTTS Techgium, Smart India Hackathon and product development through IIC.	PC	C
26.	Social responsibilities and Extension activities	Students were motivated to join in NSS and NCC. The benefits of joining NCC were explained by conducting online induction program. It is planned to create COVID 19 awareness among public through digital media. It is planned to celebrate YOGA DAY through social media.	PC	C
27.	Department MoUs	It is suggested to conduct more activities for the MoUs. It was also suggested to sign more MoUs for collaborative learning	PC	C
28.	Library	The library usage by faculty and students was suggested to be improved. The books found in department library and main library is to be sufficient. Suggested to improve reading habits in the minds of student	PC	C
29.	Grievances/ redressal of visaka , anti ragging, SC/ST Cell, hostel committee etc	The members in each cell reported department specific grievances and activities in various cells and forums. Corrective measures and plan of action for the academic year was suggested by the committee	PC	C
30.	Development of Infrastructure	Infrastructure of department have been reviewed and found to be good.	PC	C
31.	Entrepreneurship and innovation activities	Entrepreneurship Development Cell has planned to train the students for TECHgium and Tamil	PC	C


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		Nadu Students Innovator award.		
32.	Assessment Method, Question paper setting and Internal mark Calculation	The entire course (5 units) is divided to three parts for three internal tests (IAT1- 1 unit, IAT2-2 units, IAT3-2 units) as per the Academic calendar schedule. The tests are conducted for 100 marks with the each COs having a weight-age of 50 marks. The question paper was suggested to be set in accordance with bloom's taxonomy.	PC	C
33.	ICT Tools Education	It is suggested to use Information communication tools effectively for enhancing teaching learning methodology to create interest among students. Virtual labs are used to conduct laboratory experiments	PC	C
34.	Any other matter	It is suggested to develop centre of excellence and patent. Motivated to increase consultancy work	PC	C

P. Veer
Convener 6/8/21

(Department Advisory Committee)

H. Veer
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meet.google.com/bxa-edhd-xcf

HoD EEE is presenting

Agenda

- Analysis on Students Academic Performance and CO attainment
- Mentoring and counseling.
- Industry Institution Interaction.
- IPT Internship/ Industry Project.
- Value added courses/Add Ons certification courses/workshops organized.
- Extra - curricular activities through sports.
- Student performance in competitive exams.
- Student Cells, clubs and forum activities.
- Analysis on feedback from Academic Review, Class Committee Meeting and Student's feedback.
- Analysis on feedback obtained from Stakeholders.
- Conduct of academic and financial audits.

3:40 PM | DAC Meeting 2021-22 ODD semester

Sanjaykumar c, HoD EEE, joyabharathi, ASP, Subash Mdu, HoD EEE, 20-014-EEE- Mayuri..., 10 others, You

EM1_Chapter1_p1.pdf, Week 2.pdf

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meet.google.com/bxa-edhd-xcf

HoD EEE is presenting

- Approval of faculty staff appointment and reliving.
 - P.Dhivyabharathi
 - S.Meena
 - S.Nandhakumar
- Value added courses planned
 - II yr - PIC microcontroller & NI Multisim
 - III yr - MATLAB for electrical Engineers & IOT
 - IV yr - Java & AUTOCAD
- Infrastructure - Battery charging Lab

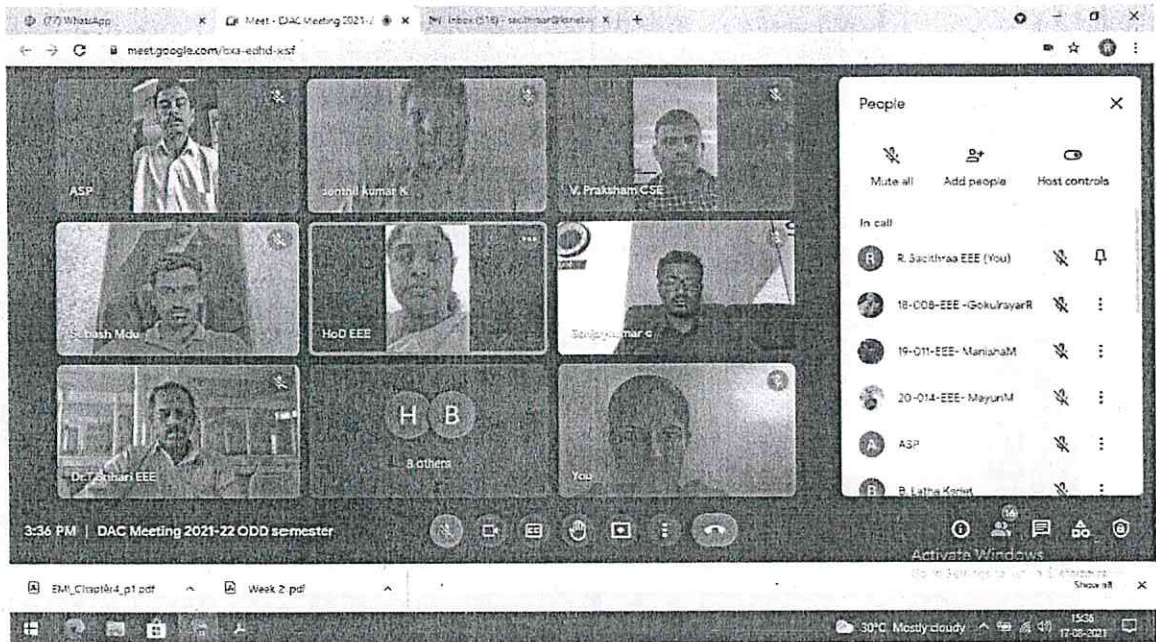
3:45 PM | DAC Meeting 2021-22 ODD semester


Sanjaykumar c, HoD EEE, Dr.T.Srihari EEE, ASP, Subash Mdu, HoD EEE, 20-014-EEE- Mayuri..., 10 others, You

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Department Advisory Committee

Minutes of Meeting

Period: March 2022 – July 2022


Date of Meeting: 09.03.2022

Venue: EEE Board Room

With reference to the circular dated 24.02.2022, Department Advisory Committee has been assembled in EEE Board Room and expert members joined through google meet for discussion of the various agenda.

The HOD, Convener of the Department Advisory Committee welcomed the members and presented the activities of the department executed during 2020- 21 and the activities planned for the academic year 2021 – 2022. The following are the actions taken on the performance of the department.

S. No	Agenda	Discussion/Action taken	Resp	Target
1.	Review of previous IQAC Meeting Suggestions	IQAC Meeting Suggestions were presented and planned for implementation.	PC	C
2.	Review of Governing council suggestions	Implementation of Governing council recommendations was planned.	PC	C
3.	Review of DAC meeting comments and approval of academic activities	The DAC members reviewed and approved previous Semester DAC meeting comments and academic activities.	PC	C
4.	Approval of faculty/staff appointment and reliving	The details of newly appointed Faculty/staff for 2021-22 and those who have relieved in 2020-21 were approved. Suggested to conduct orientation programs for newly joined	PC	C
5.	Review of Department Vision, Mission, PEO, PSO and POs	The suggestion on change of Vision, Mission, PEO, PSO and Pos discussed by stakeholders were received. It was decided to continue as there were no major feedbacks on changes.	PC	C
6.	Level & Target Prescription	The Course Outcome attainment level prescription for the student batches 2018-2022, 2019-23 and 2020-24 were discussed and formulated as follows:	PC	C

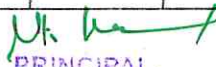

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		<p>Attainment Level 1: Students securing less than 50% marks in each course</p> <p>Attainment Level 2: Students securing between 50% to 70% marks in each course</p> <p>Attainment Level 2: Students securing More than 70% marks in each course</p> <p>Target : Class Average Attainment is 75% that is 2.25</p>		
7.	Discussion of UG & PG curriculum and syllabus	Regulation 2021 curriculum and syllabus were analyzed and discussed for better performance. Suggested to identify gaps in curriculum and organize seminars to fill them.	PC	C
8.	Quality Assurance Initiatives	NAAC Peer Team visit was discussed and suggestions were given for better performance during visit.	PC	C
9.	Budget Requirement for next academic year	The Budget proposal for 2022- 23 was proposed for the review of DAC members. After discussion it is suggested to submitted to IQAC.	PC	C
10.	Admission/Enrollment details	It is suggested to maintain the admission strength and increase the quality of intake in the coming year.	PC	C
11.	Analysis on Placement and Training activities	The Placement and Training activities were analyzed. Mentors are asked to motivate the students to be strong in basics and to learn the recent technologies used in industry. Committee suggested to train to the students to meet the industry requirement	PC	C
12.	Analysis on Students Academic Performance and CO attainment	Previous year CO attainment has been analyzed and found that all the subjects levels were improved	PC	C
13.	Mentoring and counseling	Academic Performance of Mentees are regularly followed by the mentors. If the performance is not up to the level, then it is planned to council the student and additional classes is arranged for the specified mentees.	PC	C
14.	Industry Institution Interaction	Awareness is created about the importance of IPT, Internship and industrial projects. Students' are	PC	C

[Signature]
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		continuously motivated to go for internship, industrial projects and inplant training to improve industry interaction.		
15.	IPT/Internship/Industry Project	students are asked to go for IPT/Internship/Industry Project and gain practical knowledge of electrical engineering subjects.	PC	C
16.	Value added courses/Add Ons certification courses/workshops organised	It was planned to conduct value added courses and workshops for the benefit of students. To enhance the industrial knowledge of the student further, it is planned to conduct VAC. External member suggested to conduct VAC on PIC micro controller	PC	C
17.	Extra – curricular activities through sports	Students are motivated to improve the participation in the Extra-curricular activities.	PC	C
18.	Student performance in competitive exams	Student participations in competitive exams are appreciable. Mock test and also GATE coaching class for competitive exams is arranged to ensure the student participation and clearing the exam.	PC	C
19.	Student Cells, clubs and forum activities	Students are guided and encouraged to attend more conferences and seminars to develop their knowledge in recent research areas. Students are motivated to participate in co-curricular activities to improve their self-confidence. IIC organized events have increased and help the students to acquire knowledge in the area of Startup, Innovation and Entrepreneurship.	PC	C
20.	Analysis on feedback from Academic Review, Class Committee Meeting and Student's feedback	Feedback through Academic review, Class committee meeting and students feedback collection has been carried out periodically and actions are taken on the suggestions. The analysis report is reviewed and submitted to IQAC	PC	C
21.	Analysis on feedback obtained from Stakeholders	The feedback given by various stakeholders are reviewed and submitted to IQAC for ratification	PC	C
22.	Conduct of academic and financial audits	It was planned to conduct three academic audits per semester and financial audit every month. The reports	PC	C


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		are submitted for review.		
23.	Faculty development initiatives	The faculty members' participation in ATAL FDP is appreciable. Attending FDP was made mandatory. CART Seminars were arranged to develop knowledge in advanced technology.	PC	C
24.	R&D activities	Activities of R & D cell have been analyzed and the committee encouraged filing patents of the innovative student project and faculty research work. Further the faculty members are asked to motivate the students to subject projects PALS Innwoah, TNSCST, LNNTTS Techgium, Smart India Hackathon and product development through IIC. Faculty members are motivated to submit funding proposals.	PC	C
25.	Social responsibilities and Extension activities	Students were motivated to join in NSS and NCC. Various technical and non technical clubs were established to inculcate social responsibilities and to develop practical knowledge among the students.	PC	C
26.	Department MoUs	It is recommended to conduct more activities for the MoUs. Additional course was planned to conduct through ABE semiconductors. It is planned to sign MoU with Data analytics Company in this semester.	PC	C
27.	Library	It is suggested to use E resource and digital library facility. It is planned to organize seminar for effective use of library. The books found in department library and main library is found to be sufficient. Suggestions is given to improve the reading practice of the students.	PC	C
28.	Grievances/ redressal of visaka , anti ragging, SC/ST Cell, hostel committee etc	The members in each cell reported department specific grievances and activities in various cells and forums. Corrective measures and plan of action for the academic year was suggested by the committee	PC	C
29.	Development of Infrastructure	Infrastructure of department was established and found to be good. Battery charging lab was constructed	PC	C
30.	Entrepreneurship and	Entrepreneurship Development Cell has planned to	PC	C

	innovation activities	organize many seminars to create interest towards entrepreneurship. Students were motivated to participate in project contest, coding contest and hackathans.		
31.	Assessment Method, Question paper setting and Internal mark Calculation	<p>The question paper was suggested to be set in accordance with bloom's taxonomy.</p> <p>R2017</p> <p>The entire course (5 units) is divided to three parts for three internal tests (IAT1- 1 unit, IAT2-2 units, IAT3-2 units) as per the Academic calendar schedule. The tests are conducted for 100 marks with the each COs having a weight-age of 50 marks.</p> <p>R2021</p> <p>The entire course (5 units) is divided to two parts for two internal tests (IAT1- 2.5 units, IAT2-2.5 units,) as per the Academic calendar schedule. The tests are conducted for 100 marks with the each COs having a weight-age of 50 marks.</p>	PC	C
32.	ICT Tools Education	It is planned to use Information communication tools effectively for enhancing teaching learning methodology to create interest among students. It is suggested to use models for understanding of difficult concepts. Suggested to increase the usage of software for learning the concepts.	PC	C
33.	Any other matter	Student participation in inplant training, paper presentation, project submission and online certification courses like NPTEL, AICTE, CEC should be increased.	PC	C


P. Veera
Convener 9/3/22.

(Department Advisory Committee)

[Signature]
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NAMAKKAL Dt. TAMIL NADU.

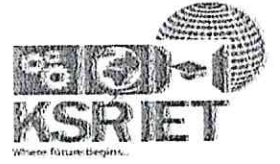



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DEPARTMENT OF MECHANICAL ENGINEERING



El.Srinivasan B.B.M.,
Vice-Chairman

Dr.M.Venkatesan, M.E., Ph.D.,
Principal

Dr.P.Murugesan, M.E., Ph.D.,
Head of the Department

12.08.21

Circular

It is to inform that, the following faculty members are asked to act as a chair person for the class committee meeting in the academic year 2021-2022 odd semester.

S.No	Year/ Semester/ Section	Name of the Chairperson	Designation
1.	II/III-	K.Velusamy	AP/Mech
2.	III/VI-	P.Manikandan	AP/Mech
3.	IV/VIIA-	Dr.P.Kanakarajan	ASP/Mech


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HoD/Mech

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Department of Mechanical Engineering



CLASS COMMITTEE MEETING - MINUTES

Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	II Year / III Sem..
Date	23-09-2021	Meeting No.	01
Conducted By	Mr.K.VELUSAMY Assistant Professor - Mechanical Engineering		

The Class Committee Meeting - 01 for III semester students of Mechanical Engineering department will be conducted on 24-09-2021 between 2.00 P.M. to 2.30 P.M. The following faculty and student members are asked to attend the meeting.

Members	Name of the faculty / Student	Name of the Subject / Class	Signature
Faculty	Dr.N.Kumaravel	Transformation and Partial Differential Equation	<i>[Signature]</i> 23/9/21
	Mr.R.Vasanthakumar	Engineering Thermodynamics	<i>[Signature]</i> 23/9/21
	Mr.P.Chakravarthi	Fluid Mechanics and Machinery	<i>[Signature]</i> 23/9/21
	Mr.J.Mathan	Manufacturing Technology-I	<i>[Signature]</i> 23/9/21
	Ms.S.Meena	Electrical Drives and Controls	<i>[Signature]</i> 23/9/21
Students	Akash R	II Year - Mechanical Engineering	<i>[Signature]</i>
	Kirubakaran R		<i>[Signature]</i>
	Navethitha AA		<i>[Signature]</i>
	Sanjeev Kumar M		<i>[Signature]</i>
	Kavimkumar J		<i>[Signature]</i>
	Vinith Singh R		<i>[Signature]</i>

[Signature]
23-9-21
Chair Person

[Signature]
23/9/21
HoD

[Signature]
23/9/21
Director - Academics

[Signature]
23/9/21
Principal

[Signature]
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Department of Mechanical Engineering

**CLASS COMMITTEE MEETING - MINUTES**

Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	II Year / III Sem...
Date	24-09-2021	Meeting No.	01
Conducted By	Mr.K. VELUSAMY Assistant Professor - Mechanical Engineering		

S. No.	Agenda	Discussion / Action Taken	Responsibility	Target
15.	Academic Schedule and Syllabus Coverage	<ul style="list-style-type: none"> Faculty members are asked to complete the syllabus as per academic schedule. 	Faculty	Continuous
16.	Course Material availability	<ul style="list-style-type: none"> Faculty members are asked to ensure the issue of course material to the students. 	Faculty	Before IAT I
17.	Internal Assessment Test	<ul style="list-style-type: none"> IAT Question pattern and dates are informed to students. Students are motivated to get good marks in IAT I. 	Faculty & Students	Continuous
18.	Lab Conduction	<ul style="list-style-type: none"> Students are asked to learn all the experiments with full attention. Students must complete the observation and record before coming into the lab. 	Students	Continuous
19.	Assignment / Case Study / Tutorial	<ul style="list-style-type: none"> Assignment issue and submission / Case study dates are informed to students and they are instructed to submit on time. 	Faculty	Continuous
20.	Students Feedback about each course	<ul style="list-style-type: none"> Transformation and Partial Differential Equation - Nil Engineering Thermodynamics - Nil Fluid Mechanics and Machinery - Nil Manufacturing Technology-I - Nil Electrical Drives and Controls - Nil 	Faculty	Continuous
21.	Any other Academic Matters	<ul style="list-style-type: none"> Students were insisted to attend the classes regularly and maintain the punctuality. 	Students	Continuous

Chair Person
24/9/21
Chair Person

HOD
HOD

Director - Academics
Director - Academics

Principal
Principal

Principal
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**Department of Mechanical Engineering****CLASS COMMITTEE MEETING - MINUTES**

Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	III Year / V Sem.
Date	24-09-2021	Meeting No.	01
Conducted By	Mr. P. MANIKANDAN Assistant Professor - Mechanical Engineering.		

S. No.	Agenda	Discussion / Action Taken	Responsibility	Target
1.	Academic Schedule and Syllabus Coverage	<ul style="list-style-type: none"> Faculty members are asked to complete the syllabus as per academic schedule. 	Faculty	Continuous
2.	Course Material availability	<ul style="list-style-type: none"> Faculty members are asked to ensure the issue of course material to the students. 	Faculty	Before IAT I
3.	Internal Assessment Test	<ul style="list-style-type: none"> IAT Question pattern and dates are informed to students. Students are motivated to get good marks in IAT I. 	Faculty & Students	Continuous
4.	Lab Conduction	<ul style="list-style-type: none"> Students are asked to learn all the experiments with full attention. Students must complete the observation and record before coming into the lab. 	Students	Continuous
5.	Assignment / Case Study / Tutorial	<ul style="list-style-type: none"> Assignment issue and submission / tutorial dates are informed to students and they are instructed to submit on time. 	Faculty	Continuous
6.	Students Feedback about each course	<ul style="list-style-type: none"> Thermal Engineering- II - Nil Design of Machine Elements - Nil Metrology and Measurements - Nil Dynamics of Machines - Nil Renewable Energy Sources - Nil 	Faculty	Continuous
7.	Any other Academic Matters	<ul style="list-style-type: none"> Students were insisted to attend the classes regularly and maintain the punctuality. 	Students	Continuous

[Signature]
24/9/2021
Chair Person

[Signature]
HoD

[Signature]
24/9/2021
Director - Academics

[Signature]
24/9/2021
Principal

[Signature]
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Department of Mechanical Engineering



CLASS COMMITTEE MEETING - CIRCULAR

Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	III Year / V Sem.
Date	23-09-2021	Meeting No.	01
Conducted By	Mr. P. MANIKANDAN Assistant Professor - Mechanical Engineering		

The Class Committee Meeting - 01 for V semester students of Mechanical Engineering department will be conducted on 24-09-2021 between 1.00 P.M. to 1.30 P.M. The following faculty and student members are asked to attend the meeting.

Members	Name of the faculty / Student	Name of the Subject / Class	Signature
Faculty	Dr. P. KANAKARAJAN	Thermal Engineering- II	<i>P. Kanakarajan</i>
	Dr. R. MANI	Design of Machine Elements	<i>R. Mani</i>
	Mr. S. BALAMURUGAN	Metrology and Measurements	<i>S. Balamurugan</i>
	Mr. M. AMARNATH	Dynamics of Machines	<i>M. Amarnath</i>
	Mr. A. PREMKUMAR	Renewable Energy Sources	<i>A. Premkumar</i>
Students	DEEPA M	III Year - Mechanical Engineering	<i>DeePa</i>
	KISHORE P		<i>Kishore</i>
	MUKESH KUMAR C S		<i>Mukesh</i>
	NIVAS K		<i>Nivas</i>
	SANDHIYA R		<i>Sandhya</i>
	VIGNESH R		<i>Vignesh</i>

[Signature]
23/9/2021
Chair Person

[Signature]
23/9/2021
HoD

[Signature]
23/9/2021
Director - Academics

[Signature]
23/9/2021
Principal

[Signature]
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Department of Mechanical Engineering

CLASS COMMITTEE MEETING - CIRCULAR

Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	IV Year / VII Sem.
Date	23-09-2021	Meeting No.	01
Conducted By	Dr.P.KANAKARAJAN Associate Professor - Mechanical Engineering		

The Class Committee Meeting - 01 for VII semester students of Mechanical Engineering department will be conducted on 24-09-2021 between 1.30 P.M. to 2.00 P.M. The following faculty and student members are asked to attend the meeting.

Members	Name of the faculty / Student	Name of the Subject / Class	Signature
Faculty	Dr.P.Murugesan	Unconventional Machining Processes	
	Mr.A.Mohanraj	Non Destructive Testing And Evaluation	
	Mr.S.Balamurugan	Mechatronics	
	Mr.P.Chakravarthi	Process Planning and Cost Estimation	
	Mr.P.Manikandan	Power Plant Engineering	
	Dr.P.Gopinath	Robotics	
Students	Chandru K	IV Year - Mechanical Engineering	
	Arun Prakash K A		
	Gowtham K		
	Samrat G		
	Sridhar P		
	Vimalkumar V		

Chair Person

Head

Director - Academics

Principal

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Department of Mechanical Engineering



CLASS COMMITTEE MEETING - MINUTES

Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	IV Year / VII Sem..
Date	24-09-2021	Meeting No.	01
Conducted By	Dr.P.KANAKARAJAN Associate Professor - Mechanical Engineering		

S. No.	Agenda	Discussion / Action Taken	Responsibility	Target
1.	Academic Schedule and Syllabus Coverage	<ul style="list-style-type: none"> Faculty members are asked to complete the syllabus as per academic schedule. 	Faculty	Continuous
2.	Course Material availability	<ul style="list-style-type: none"> Faculty members are asked to ensure the issue of course material to the students. 	Faculty	Before IAT 1
3.	Internal Assessment Test	<ul style="list-style-type: none"> IAT Question pattern and dates are informed to students. Students are motivated to get good marks in IAT 1. 	Faculty & Students	Continuous
4.	Lab Conduction	<ul style="list-style-type: none"> Students are asked to learn all the experiments with full attention. Students must complete the observation and record before coming into the lab. 	Students	Continuous
5.	Assignment / Case Study / Tutorial	<ul style="list-style-type: none"> Assignment issue and submission / Case study dates are informed to students and they are instructed to submit on time. 	Faculty	Continuous
6.	Students Feedback about each course	<ul style="list-style-type: none"> Unconventional Machining Processes - Nil Non Destructive Testing And Evaluation - Nil Mechatronics - Nil Process Planning and Cost Estimation - Nil Power Plant Engineering - Nil Robotics - Nil 	Faculty	Continuous
7.	Any other Academic Matters	<ul style="list-style-type: none"> Students were insisted to attend the classes regularly and maintain the punctuality. 	Students	Continuous

P. Kanakarajan
Chair Person

Seetharam
HoD

[Signature]
Director - Academics

[Signature]
Principal

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CLASS COMMITTEE MEETING - CIRCULAR

Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	III Year / III Sem.
Date	21-10-2021	Meeting No.	02
Conducted By	Mr.K.VELUSAMY Assistant Professor - Mechanical Engineering		

The Class Committee Meeting - 02 for III semester students of Mechanical Engineering department will be conducted on 22-10-2021 between 10.30 A.M. to 11.00 A.M. The following faculty and student members are asked to attend the meeting.

Members	Name of the faculty / Student	Name of the Subject / Class	Signature
Faculty	Dr.N.Kumaravel	Transformation and Partial Differential Equation	<i>[Signature]</i>
	Mr.R.Vasanthakumar	Engineering Thermodynamics	<i>[Signature]</i>
	Mr.P.Chakravarthi	Fluid Mechanics and Machinery	<i>[Signature]</i>
	Mr.J.Mathan	Manufacturing Technology-I	<i>[Signature]</i>
	Ms.S.Meena	Electrical Drives and Controls	<i>[Signature]</i>
Students	Akash R	II Year - Mechanical Engineering	<i>[Signature]</i>
	Kirubakaran R		<i>[Signature]</i>
	Navethitha AA		<i>[Signature]</i>
	Sanjeev Kumar M		<i>[Signature]</i>
	Kavimkumar J		<i>[Signature]</i>
	Vinith Singh R		<i>[Signature]</i>

[Signature]
Chair Person

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HoD

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Director - Academics

[Signature]
Principal

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**Department of Mechanical Engineering****CLASS COMMITTEE MEETING - MINUTES**

Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	IV Year / III Sem.
Date	22-10-2021	Meeting No.	02
Conducted By	Mr. K. VEELUSAMY Assistant Professor - Mechanical Engineering		

S. No.	Agenda	Discussion / Action Taken	Responsibility	Target
1.	Academic Schedule and Syllabus Coverage	<ul style="list-style-type: none"> Faculty members are asked to complete the syllabus as per academic schedule. 	Faculty	Continuous
2.	Course Material availability	<ul style="list-style-type: none"> Faculty members are asked to ensure the issue of course material to the students. 	Faculty	Before IAT 2
3.	Internal Assessment Test	<ul style="list-style-type: none"> IAT 2 Question pattern and dates are informed to students. Students are motivated to get good marks in IAT 2. 	Faculty & Students	Continuous
4.	Lab Conduction	<ul style="list-style-type: none"> Students are asked to learn all the experiments with full attention. Students must complete the observation and record before coming into the lab. 	Students	Continuous
5.	Assignment / Case Study / Tutorial	<ul style="list-style-type: none"> Assignment issue and submission / Case study dates are informed to students and they are instructed to submit on time. 	Faculty	Continuous
	Students Feedback about each course	<ul style="list-style-type: none"> Transformation and Partial Differential Equation - Nil Engineering Thermodynamics - Nil Fluid Mechanics and Machinery - Nil Manufacturing Technology-I - Nil Electrical Drives and Controls - Nil 	Faculty	Continuous
7.	Any other Academic Matters	<ul style="list-style-type: none"> Students were insisted to attend the classes regularly and maintain the punctuality. Avoid mobile usage in corridor. Maintain the dress code. 	Students	Continuous

[Signature]
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Department of Mechanical Engineering

**CLASS COMMITTEE MEETING - MINUTES**

Academic Year & Semester	2021 – 2022 (ODD)	Year / Sem.	III Year / V Sem.
Date	22-10-2021	Meeting No.	02
Conducted by	Mr. P. MANIKANDAN Assistant Professor – Mechanical Engineering		

S.No.	Agenda	Discussion /Action Taken	Responsibility	Target
1.	Academic Schedule and Syllabus Coverage	<ul style="list-style-type: none"> Faculty members are asked to complete the syllabus as per academic schedule. 	Faculty	Continuous
2.	Course Material availability	<ul style="list-style-type: none"> Faculty members are asked to ensure the issue of course material to the students. 	Faculty	Before IAT 2
3.	Internal Assessment Test	<ul style="list-style-type: none"> IAT 2 Question pattern and dates are informed to students. Students are motivated to get good marks in IAT 2. 	Faculty & Students	Continuous
4.	Lab Conduction	<ul style="list-style-type: none"> Students are asked to learn all the experiments with full attention. Students must complete the observation and record before coming into the lab. 	Students	Continuous
5.	Assignment / Case Study / Tutorial	<ul style="list-style-type: none"> Assignment issue and submission / tutorial dates are informed to students and they are instructed to submit on time. 	Faculty	Continuous
6.	Students Feedback about each course	<ul style="list-style-type: none"> Thermal Engineering- II - Nil Design of Machine Elements - Nil Metrology and Measurements - Nil Dynamics of Machines – Nil Renewable Energy Sources - Nil 	Faculty	Continuous
7.	Any other Academic Matters	<ul style="list-style-type: none"> Students were insisted to attend the classes regularly and maintain the punctuality. 	Students	Continuous

22/10/2021
Chair Person

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Director – Academics

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CLASS COMMITTEE MEETING - CIRCULAR

Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	III Year / V Sem.
Date	22-10-2021	Meeting No.	02
Conducted by	Mr.P.MANIKANDAN Assistant Professor - Mechanical Engineering		

The Class Committee Meeting - 02 for V semester students of Mechanical Engineering department will be conducted on 22-10-2021 between 1.00 P.M. to 1.30 P.M. The following faculty and student members are asked to attend the meeting.

Members	Name of the faculty / Student	Name of the Subject / Class	Signature
Faculty	Dr.P.KANAKARAJAN	Thermal Engineering- II	
	Dr.R.MANI	Design of Machine Elements	
	Mr.S.BALAMURUGAN	Metrology and Measurements	
	Mr.M.AMARNATH	Dynamics of Machines	
	Mr.A.PREMKUMAR	Renewable Energy Sources	
Students	DEEPA M	III Year - Mechanical Engineering	
	KISHORE P		
	MUKESH KUMAR C S		
	NIVAS K		
	SANDHIYA R		
	VIGNESH R		

Chair Person

HoD

Director - Academics

Principal

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Department of Mechanical Engineering

CLASS COMMITTEE MEETING - CIRCULAR

Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	IV Year / VII Sem.
Date	21-10-2021	Meeting No.	02
Conducted By	Dr.P.KANAKARAJAN Associate Professor - Mechanical Engineering		

The Class Committee Meeting - 02 for VII semester students of Mechanical Engineering department will be conducted on 22-10-2021 between 1.30 P.M. to 2.00 P.M. The following faculty and student members are asked to attend the meeting.

Members	Name of the faculty / Student	Name of the Subject / Class	Signature
Faculty	Dr.P.Murugesan	Unconventional Machining Processes	<i>[Signature]</i> 21/10/21
	Mr.A.Mohanraj	Non Destructive Testing And Evaluation	<i>[Signature]</i>
	Mr.S.Balamurugan	Mechatronics	<i>[Signature]</i>
	Mr.P.Chakravarthi	Process Planning and Cost Estimation	<i>[Signature]</i>
	Mr.P.Manikandan	Power Plant Engineering	<i>[Signature]</i>
	Dr.P.Gopinath	Robotics	<i>[Signature]</i>
Students	Chandru K	IV Year - Mechanical Engineering	<i>[Signature]</i>
	Arun Prakash K A		<i>[Signature]</i>
	Gowtham K		<i>[Signature]</i>
	Samrat G		<i>[Signature]</i>
	Sridhar P		<i>[Signature]</i>
	Vimalkumar V		<i>[Signature]</i>

[Signature]
21/10/21
Chair Person

[Signature]
HoD

[Signature]
Director - Academics

[Signature]
21/10/21
Principal

[Signature]
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Department of Mechanical Engineering



CLASS COMMITTEE MEETING - MINUTES

Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	IV Year / VII Sem..
Date	22-10-2021	Meeting No.	04
Conducted By	Dr.P.KANAKARAJAN Associate Professor - Mechanical Engineering		

S. No.	Agenda	Discussion / Action Taken	Responsibility	Target
1.	Academic Schedule and Syllabus Coverage	<ul style="list-style-type: none"> Faculty members are asked to complete the syllabus as per academic schedule. 	Faculty	Continuous
2.	Course Material availability	<ul style="list-style-type: none"> Faculty members are asked to ensure the issue of course material to the students. 	Faculty	Before IAT 2
3.	Internal Assessment Test	<ul style="list-style-type: none"> IAT 2 Question pattern and dates are informed to students. Students are motivated to get good marks in IAT 2. 	Faculty & Students	Continuous
4.	Lab Conduction	<ul style="list-style-type: none"> Students are asked to learn all the experiments with full attention. Students must complete the observation and record before coming into the lab. 	Students	Continuous
5.	Assignment / Case Study / Tutorial	<ul style="list-style-type: none"> Assignment issue and submission / Case study dates are informed to students and they are instructed to submit on time. 	Faculty	Continuous
6.	Students Feedback about each course	<ul style="list-style-type: none"> Unconventional Machining Processes - Nil Non Destructive Testing And Evaluation - Nil Mechatronics - Nil Process Planning and Cost Estimation - Nil Power Plant Engineering - Nil Robotics - Nil 	Faculty	Continuous
7.	Any other Academic Matters	<ul style="list-style-type: none"> Students were insisted to attend the classes regularly and maintain the punctuality. Avoid mobile usage in corridor. Maintain the dress code. 	Students	Continuous

P. Kanakarajan
22/10/21
Chair Person

S. S. Srinivasan
HoD

A. J. Jeyaraj
22.10.21
Director - Academics

S. S. Srinivasan
22/10/21
Principal

M. S. Srinivasan
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Tiruchengode - 637215

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Department of Mechanical Engineering

CLASS COMMITTEE MEETING - CIRCULAR

Academic Year & Semester	2021 - 2022 (ODE)	Year / Sem.	II Year / III Sem.
Date	18-11-2021	Meeting No.	03
Conducted By	Mr.K.VELUSAMY Assistant Professor - Mechanical Engineering		

The Class Committee Meeting - 03 for III semester students of Mechanical Engineering department will be conducted on 20-11-2021 between 10.30 A.M. to 11.00 A.M. The following faculty and student members are asked to attend the meeting.

Members	Name of the faculty / Student	Name of the Subject / Class	Signature
Faculty	Dr.N.Kumaravel	Transformation and Partial Differential Equation	
	Mr.R.Vasanthakumar	Engineering Thermodynamics	
	Mr.P.Chakravarthi	Fluid Mechanics and Machinery	
	Mr.J.Mathan	Manufacturing Technology-I	
	Ms.S.Meena	Electrical Drives and Controls	
Students	Akash R	II Year - Mechanical Engineering	
	Kirubakaram R		
	Navethitha AA		
	Sanjeev Kumar M		
	Kavimkumar J		
	Vinith Singh R		

Chair Person

HOD

Director - Academics

Principal

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Department of Mechanical Engineering

**CLASS COMMITTEE MEETING - MINUTES**

Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	II Year / III Sem..
Date	20-11-2021	Meeting No.	03
Conducted By	Mr.K.VELUSAMY Assistant Professor - Mechanical Engineering		

S. No.	Agenda	Discussion / Action Taken	Responsibility	Target
1.	Academic Schedule and Syllabus Coverage	<ul style="list-style-type: none"> Faculty members are asked to complete the syllabus as per academic schedule. 	Faculty	Continuous
2.	Course Material availability	<ul style="list-style-type: none"> Faculty members are asked to ensure the issue of course material to the students. 	Faculty	Before IAT 3
3.	Internal Assessment Test	<ul style="list-style-type: none"> IAT 3 Question pattern and dates are informed to students. Students are motivated to get good marks in IAT 3. 	Faculty & Students	Continuous
4.	Lab Conduction	<ul style="list-style-type: none"> Students are asked to learn all the experiments with full attention. Students must complete the observation and record before coming into the lab. 	Students	Continuous
5.	Assignment / Case Study / Tutorial	<ul style="list-style-type: none"> Assignment issue and submission / Case study dates are informed to students and they are instructed to submit on time. 	Faculty	Continuous
6.	Students Feedback about each course	<ul style="list-style-type: none"> Transformation and Partial Differential Equation - Nil Engineering Thermodynamics - Nil Fluid Mechanics and Machinery - Nil Manufacturing Technology-I - Nil Electrical Drives and Controls - Nil 	Faculty	Continuous
7.	Any other Academic Matters	<ul style="list-style-type: none"> Students were insisted to attend the classes regularly and maintain the punctuality. Avoid mobile usage in corridor. Maintain the dress code. 	Students	Continuous

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Department of Mechanical Engineering

**CLASS COMMITTEE MEETING - CIRCULAR**

Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	III Year / V Sem.
Date	19-11-2021	Meeting No.	03
Conducted by	Mr.P.MANIKANDAN Assistant Professor - Mechanical Engineering		

The Class Committee Meeting - 03 for V semester students of Mechanical Engineering department will be conducted on 19-11-2021 between 1.00 P.M. to 1.30 P.M. The following faculty and student members are asked to attend the meeting.

Members	Name of the faculty / Student	Name of the Subject / Class	Signature
Faculty	Dr.P.KANAKARAJAN	Thermal Engineering- II	
	Dr.R.MANI	Design of Machine Elements	
	Mr.S.BALAMURUGAN	Metrology and Measurements	
	Mr.M.AMARNATH	Dynamics of Machines	
	Mr.A.PREMKUMAR	Renewable Energy Sources	
Students	DEEPA M	III Year - Mechanical Engineering	
	KISHORE P		
	MUKESH KUMAR C S		
	NIVAS K		
	SANDHIYA R		
	VIGNESH R		

Chair Person

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Department of Mechanical Engineering

**CLASS COMMITTEE MEETING - MINUTES**

Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	III Year / V Sem.
Date	19-11-2021	Meeting No.	05
Conducted by	Mr. P. MANIKANDAN Assistant Professor - Mechanical Engineering		

S.No.	Agenda	Discussion / Action Taken	Responsibility	Target
1.	Academic Schedule and Syllabus Coverage	<ul style="list-style-type: none"> Faculty members are asked to complete the syllabus as per academic schedule. 	Faculty	Continuous
2.	Course Material availability	<ul style="list-style-type: none"> Faculty members are asked to ensure the issue of course material to the students. 	Faculty	Before IAT 3
3.	Internal Assessment Test	<ul style="list-style-type: none"> IAT 3 Question pattern and dates are informed to students. Students are motivated to answer all questions & get good marks in IAT 3. 	Faculty & Students	Continuous
4.	Lab Conduction	<ul style="list-style-type: none"> Students are asked to learn all the experiments with full attention. Students must complete the observation and record before coming into the lab. 	Students	Continuous
5.	Assignment / Case Study / Tutorial	<ul style="list-style-type: none"> Assignment issue and submission / tutorial dates are informed to students and they are instructed to submit on time. 	Faculty	Continuous
6.	Students Feedback about each course	<ul style="list-style-type: none"> Thermal Engineering- II - Nil Design of Machine Elements - Nil Metrology and Measurements - Nil Dynamics of Machines - Nil Renewable Energy Sources - Nil 	Faculty	Continuous
7.	Any other Academic Matters	<ul style="list-style-type: none"> Students were insisted to attend the classes regularly and maintain the punctuality. 	Students	Continuous

[Signature]
19/11/2021
Chair Person

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HoD

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19-11-21
Director - Academics

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Department of Mechanical Engineering

CLASS COMMITTEE MEETING - CIRCULAR

Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	IV Year / VII Sem.
Date	18-11-2021	Meeting No.	03
Conducted By	Dr.P.KANAKARAJAN Associate Professor - Mechanical Engineering		

The Class Committee Meeting - 03 for VII semester students of Mechanical Engineering department will be conducted on 20-11-2021 between 1.30 P.M. to 2.00 P.M. The following faculty and student members are asked to attend the meeting.

Members	Name of the faculty / Student	Name of the Subject / Class	Signature
Faculty	Dr.P.Murugesan	Unconventional Machining Processes	
	Mr.A.Mohanraj	Non Destructive Testing And Evaluation	
	Mr.S.Balamurugan	Mechatronics	
	Mr.P.Chakravarthi	Process Planning and Cost Estimation	
	Mr.P.Manikandan	Power Plant Engineering	
	Dr.P.Gopinath	Robotics	
Students	Chandru K	IV Year - Mechanical Engineering	
	Arun Prakash K A		
	Gowtham K		
	Samrat G		
	Sridhar P		
	Vimalkumar V		

Chair Person

HoD

Director - Academics

Principal

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Department of Mechanical Engineering



CLASS COMMITTEE MEETING - MINUTES

Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	IV Year / VII Sem.
Date	20-11-2021	Meeting No.	03
Conducted By	Dr.P.KANAKARAJAN Associate Professor - Mechanical Engineering		

S. No.	Agenda	Discussion / Action Taken	Responsibility	Target
1.	Academic Schedule and Syllabus Coverage	<ul style="list-style-type: none"> Faculty members are asked to complete the syllabus as per academic schedule. 	Faculty	Continuous
2.	Course Material availability	<ul style="list-style-type: none"> Faculty members are asked to ensure the issue of course material to the students. 	Faculty	Before IAT 3
3.	Internal Assessment Test	<ul style="list-style-type: none"> IAT 3 Question pattern and dates are informed to students. Students are motivated to get good marks in IAT 3. 	Faculty & Students	Continuous
4.	Lab Conduction	<ul style="list-style-type: none"> Students are asked to learn all the experiments with full attention. Students must complete the observation and record before coming into the lab. 	Students	Continuous
5.	Assignment / Case Study / Tutorial	<ul style="list-style-type: none"> Assignment issue and submission / Case study dates are informed to students and they are instructed to submit on time. 	Faculty	Continuous
6.	Students Feedback about each course	<ul style="list-style-type: none"> Unconventional Machining Processes - Nil Non Destructive Testing And Evaluation - Nil Mechatronics - Nil Process Planning and Cost Estimation - Nil Power Plant Engineering - Nil Robotics - Nil 	Faculty	Continuous
7.	Any other Academic Matters	<ul style="list-style-type: none"> Students were insisted to attend the classes regularly and maintain the punctuality. Avoid mobile usage in corridor. Maintain the dress code. 	Students	Continuous

P. Kanakarajan
Chair Person
20/11/21

Deepa
HoD
20/11/21

[Signature]
Director - Academics
20/11/21

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Principal
20/11/21

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DEPARTMENT OF MECHANICAL ENGINEERING

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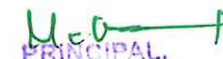
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Circular

It is to inform that, the following faculty members are asked to act as a chair person for the class committee meeting in the academic year 2021-22 Even semester.

S.No	Year/ Semester	Name of the Chairperson	Designation
1.	II/IV	Dr.P.Kanakarajan	ASP/Mech
2.	III/VI	Mr.P.Manikandan	AP/Mech
3.	IV/VIII	Dr.R.Mani	Prof/Mech


HoD/Mech

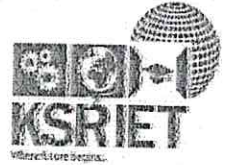

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Department of Mechanical Engineering



CLASS COMMITTEE MEETING - CIRCULAR

Academic Year & Semester	2021 - 2022 (Even)	Year / Sem.	II Yrs / IV Sem.
Date	02.03.2022	Meeting No.	01
Conducted By	Dr.P.KANAKARAJAN Associate Professor / Mechanical Engineering		

The Class Committee Meeting - 01 for IV semester students of Mechanical Engineering department will be conducted on 07-03-2022 between 2.00 P.M. to 2.30 P.M. The following faculty and student members are asked to attend the meeting.

Members	Name of the faculty / Student	Name of the Subject / Class	Signature
Faculty	Mrs. R.Kavitha	Statistics and Numerical Methods	[Signature]
	Mr. A. Mohanraj	Kinematics of Machinery	[Signature]
	Mr. R. Mathan	Manufacturing Technology - II	[Signature]
	Dr. R. Mari	Engineering Metallurgy	[Signature]
	Mr.P.Manikandan	Strength of Materials for Mechanical Engineers	[Signature]
	Mr. K. Velusamy	Thermal Engineering- I	[Signature]
Students	V. Bharath	II Year - Mechanical Engineering	[Signature]
	A.A. Navethitha		[Signature]
	M. Sanjeev kumar		[Signature]
	M. Deepan		[Signature]
	M. Gokulnath		[Signature]
	N. Vasanth		[Signature]

[Signature]
Chair Person 2/3/22

[Signature]
HoD 2/3/22

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Director - Academics 02/3/22

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Principal 2/3/22

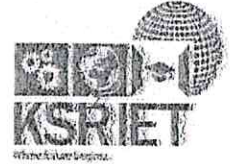
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Department of Mechanical Engineering



CLASS COMMITTEE MEETING - MINUTES

Academic Year & Semester	2021 - 2022 (Even)	Year / Sem.	II Yrs / IV Sem.
Date	07.03.2022	Meeting No.	01
Conducted By	Dr.P.KANAKARAJAN Associate Professor / Mechanical Engineering		

Sl. No.	Agenda	Discussion / Action Taken	Responsibility	Target
1.	Academic Schedule and Syllabus Coverage	➤ Faculty members are asked to complete the syllabus as per academic schedule.	Faculty	Continuous
2.	Course Material availability	➤ Faculty members are asked to ensure the issue of course material to the students.	Faculty	Before IAT I
3.	Internal Assessment Test	➤ IAT Question pattern and dates are informed to students. ➤ Students are motivated to get good marks in IAT I.	Faculty & Students	Continuous
4.	Lab Conduction	➤ Students are asked to learn all the experiments with full attention. ➤ Students must complete the observation and record before coming into the lab.	Students	Continuous
5.	Assignment / Case Study / Tutorial	➤ Assignment issue and submission / Case study dates are informed to students and they are instructed to submit on time.	Faculty	Continuous
6.	Students Feedback about each course	➤ Statistics and Numerical Methods ➤ Kinematics of Machinery ➤ Manufacturing Technology - II ➤ Engineering Metallurgy ➤ Strength of Materials for Mechanical Engineers ➤ Thermal Engineering- I	Faculty	Continuous
7.	Any other Academic Matters	➤ Students were insisted to attend the classes regularly and maintain the punctuality.	Students	Continuous

Chair Person

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Principal

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Department of Mechanical Engineering

CLASS COMMITTEE MEETING - CIRCULAR

Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	III Yrs / VI Sem.
Date	02.03.2022	Meeting No.	01
Conducted By	Mr. P. Manikandan Assistant Professor / Mechanical Engineering		

The Class Committee Meeting - 01 for VI semester students of Mechanical Engineering department will be conducted on 07-03-2022 between 1.00 P.M. to 1:30 P.M at CAD LAB. The following faculty and student members are asked to attend the meeting.

Members	Name of the faculty / Student	Name of the Subject / Class	Signature
Faculty	Mr. S. Balanurugan	Design of Transmission Systems	<i>[Signature]</i>
	Mr. S. Rahul	Computer Aided Design and Manufacturing	<i>[Signature]</i>
	Mr. R. Vasanthakumar	Heat and Mass Transfer	<i>[Signature]</i>
	Mr. M. Amamath	Finite Element Analysis	<i>[Signature]</i>
	Mr. A. Premkumar	Hydraulics and Pneumatics	<i>[Signature]</i>
	Mr. P. Chakravarthi	Automobile Engineering	<i>[Signature]</i>
	Mr. M. Amamath	CAD / CAM Laboratory	<i>[Signature]</i>
	Mr. A. Premkumar	Design and Fabrication Project	<i>[Signature]</i>
	Mr. P. Mohan	Professional Communication	<i>[Signature]</i>
Students	Ms. M Deepa	III Year - Mechanical Engineering	<i>[Signature]</i>
	Ms. R Sandhiya		<i>[Signature]</i>
	Mr. P Santhosh		<i>[Signature]</i>
	Mr. R Vignesh		<i>[Signature]</i>
	Mr. U Dhanapparakash		<i>[Signature]</i>
	Mr. P Vignesh		<i>[Signature]</i>

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2/3/2022
Chair Person

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2/3/22
Director - Academics

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Principal

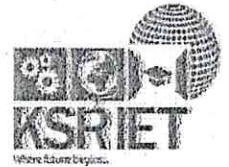
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Department of Mechanical Engineering

**CLASS COMMITTEE MEETING - MINUTES**

Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	III Yrs / VI Sem.
Date	07.03.2022	Meeting No.	01
Conducted By	Mr. P. Manikandan Assistant Professor / Mechanical Engineering		

S. No.	Agenda	Discussion / Action Taken	Responsibility	Target
1.	Academic Schedule and Syllabus Coverage	➤ Faculty members are asked to complete the syllabus as per academic schedule.	Faculty	Continuous
2.	Course Material availability	➤ Faculty members are asked to ensure the issue of course material to the students.	Faculty	Before IAT I
3.	Internal Assessment Test	➤ IAT Question pattern and dates are informed to students.	Faculty & Students	Continuous
4.	Lab Conduction	➤ Students are asked to learn all the experiments with full attention. ➤ Students must complete the observation and record before coming into the lab.	Students	Continuous
5.	Assignment / Case Study / Tutorial	➤ Assignment issue and submission / Case study dates are informed to students and they are instructed to submit on time.	Faculty	Continuous
6.	Students Feedback about each course	➤ Design of Transmission Systems ➤ Computer Aided Design and Manufacturing ➤ Heat and Mass Transfer ➤ Finite Element Analysis ➤ Hydraulics and Pneumatics ➤ Automobile Engineering ➤ CAD / CAM Laboratory ➤ Design and Fabrication Project ➤ Professional Communication	Faculty	Continuous
7.	Any other Academic Matters	➤ Students were insisted to attend the classes regularly and maintain the punctuality.	Students	Continuous

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7/3/22
Chair Person

Manikandan
HoD

P. Manikandan
7/3/22
Director - Academics

[Signature]
Principal

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Department of Mechanical Engineering

CLASS COMMITTEE MEETING - CIRCULAR

Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	IV Year / VIII Sem.
Date	01.03.22	Meeting No.	01
Conducted By	Dr.R.MANI Professor - Mechanical Engineering		

The Class Committee Meeting - 01 for VIII semester students of Mechanical Engineering department will be conducted on 04.03.22 between 1.00 P.M. to 1.30 P.M. The following faculty and student members are asked to attend the meeting.

Members	Name of the faculty / Student	Name of the Subject / Class	Signature
Faculty	Dr.P.Murugesan	Professional Ethics / IV	<i>[Signature]</i>
	Mr.K.Gopalakrishnan	Principle of management/IV	<i>[Signature]</i>
	Mr.R.Vasanthakumar	Project/IV	<i>[Signature]</i>
Students	Chandru K	IV Year - Mechanical Engineering	<i>[Signature]</i>
	Arun Prakash K A		<i>[Signature]</i>
	Gowtham K		<i>[Signature]</i>
	Samrat G		<i>[Signature]</i>
	Sridhar P		<i>[Signature]</i>
	Vimalkumar V		<i>[Signature]</i>

[Signature]
Chair Person
01/03/22

[Signature]
HOD
01/03/22

[Signature]
Director - Academics
02/03/22

[Signature]
Principal
01/03/22

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**Department of Mechanical Engineering****CLASS COMMITTEE MEETING - MINUTES**

Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	IV Year / VIII Sem.
Date	04.03.22	Meeting No.	01
Conducted By	Dr. R. MANI Professor - Mechanical Engineering		

S. No.	Agenda	Discussion / Action Taken	Responsibility	Target
1	Academic Schedule and Syllabus Coverage	<ul style="list-style-type: none"> Faculty members are asked to complete the syllabus as per academic schedule. 	Faculty	Continuous
2	Course Material availability	<ul style="list-style-type: none"> Faculty members are asked to ensure the issue of course material to the students. 	Faculty	Before IAT 1
3	Internal Assessment Test	<ul style="list-style-type: none"> IAT Question pattern and dates are informed to students. Students are motivated to get good marks in IAT 1. 	Faculty & Students	Continuous
4	Project	<ul style="list-style-type: none"> Students are asked to do social and industrial related quality projects. 	Students	Continuous
5	Assignment / Case Study / Tutorial	<ul style="list-style-type: none"> Assignment issue and submission / Case study dates are informed to students and they are instructed to submit on time. 	Faculty	Continuous
6	Students Feedback about each course	<ul style="list-style-type: none"> Professional Ethics Principle of management Project 	Faculty	Continuous
7	Any other Academic Matters	<ul style="list-style-type: none"> Students were insisted to attend the classes regularly and maintain the punctuality. 	Students	Continuous

[Signature]
4/13/22
Chair Person

[Signature]
HOD

[Signature]
9/13/22
Director - Academics

[Signature]
17/3/22
Principal

[Signature]
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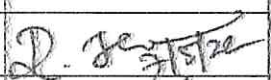


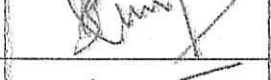

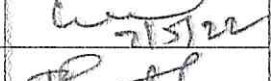
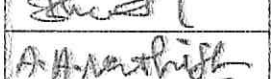
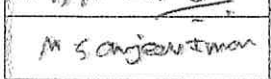


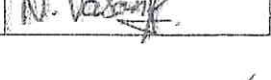

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Department of Mechanical Engineering**CLASS COMMITTEE MEETING - CIRCULAR**

Academic Year & Semester	2021 - 2022 (Even)	Year / Sem.	II Yrs / IV Sem.
Date	07.05.2022	Meeting No.	02
Conducted By	Dr. P. KANAKARAJAN Associate Professor / Mechanical Engineering		

The Class Committee Meeting - 02 for IV semester students of Mechanical Engineering department will be conducted on 10-05-2022 between 2.30 P.M. to 3.30 P.M. The following faculty and student members are asked to attend the meeting.

Members	Name of the faculty / Student	Name of the Subject / Class	Signature
Faculty	Mrs. R. Kavitha	Statistics and Numerical Methods	
	Mr. A. Mohanraj	Kinematics of Machinery	
	Mr. J. Mathan	Manufacturing Technology - II	
	Dr. R. Mani	Engineering Metallurgy	
	Mr. P. Manikandan	Strength of Materials for Mechanical Engineers	
	Mr. K. Velusamy	Thermal Engineering- I	
Students	V. Bharath	II Year - Mechanical Engineering	
	A.A. Navethitha		
	M. Sanjeev kumar		
	M. Deepan		
	M. Gokulnath		
	N. Vasanth		


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HoD
Director - Academics
Principal
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Department of Mechanical Engineering**CLASS COMMITTEE MEETING - MINUTES**

Academic Year & Semester	2021 - 2022 (Even)	Year / Sem.	II Yrs / IV Sem.
Date	10.05.2022	Meeting No.	02
Conducted By	Dr.P.KANAKARAJAN Associate Professor / Mechanical Engineering		

S. No.	Agenda	Discussion / Action Taken	Responsibility	Target
	Academic Schedule and Syllabus Coverage	➤ Faculty members are asked to complete the syllabus as per academic schedule.	Faculty	Continuous
9.	Course Material availability	➤ Faculty members are asked to ensure the issue of course material to the students.	Faculty	Before IAT 2
10.	Internal Assessment Test	➤ IAT - 1 Performance is analyzed. ➤ IAT Question pattern and dates are informed to students. ➤ Students are motivated to get good marks in IAT 2.	Faculty & Students	Continuous
11.	Lab Conduction	➤ Students are asked to learn all the experiments with full attention. ➤ Students must complete the observation and record before coming into the lab.	Students	Continuous
12.	Assignment / Case Study / Tutorial	➤ Assignment issue and submission / Tutorial / Case study dates are informed to students and they are instructed to submit on time.	Faculty	Continuous
13.	Students Feedback about each course:	➤ Statistics and Numerical Methods ➤ Kinematics of Machinery ➤ Manufacturing Technology - II ➤ Engineering Metallurgy ➤ Strength of Materials for Mechanical Engineers ➤ Thermal Engineering- I	Faculty	Continuous
14.	Any other Academic Matters	➤ Students were insisted to attend the classes regularly and maintain the punctuality.	Students	Continuous


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Department of Mechanical Engineering

CLASS COMMITTEE MEETING - CIRCULAR

Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	III Year / VI Sem.
Date	07-05-2022	Meeting No.	02
Conducted By	Mr.P.MANIKANDAN Assistant Professor - Mechanical Engineering		

The Class Committee Meeting - 02 for VI semester students of Mechanical Engineering department will be conducted on 10-05-2022 between 1.00 P.M. to 1.30 P.M at CAD Lab. The following faculty and student members are asked to attend the meeting.

Members	Name of the faculty /Student	Name of the Subject /Class	Signature
Faculty	Mr.S.Palamurugan	Design of Transmission Systems	
	Mr.S.Rahul	Computer Aided Design and Manufacturing	
	Mr.R.Vasanthakumar	Heat and Mass Transfer	
	Mr.M.Amarnath	Finite Element Analysis	
	Mr.A.Premkumar	Hydraulics and Pneumatics	
	Mr.P.Chakravarthi	Automobile Engineering	
	Mr.M.Amarnath	CAD / CAM Laboratory	
	Mr.A.Premkumar	Design and Fabrication Project	
	Mr.P.Mohan	Professional Communication	
Students	Ms.M.Deepa	III Year/VI Semester Mechanical Engineering	
	Ms.R.Sandhiya		
	Mr.P.Santhosh		
	Mr.R.Vignesh		
	Mr.U.Dhanaprakasah		
	Mr.P.Vignesh		

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Department of Mechanical Engineering**CLASS COMMITTEE MEETING - MINUTES**


Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	III Year / VI Sem.
Date	10-05-2022	Meeting No.	02
Conducted By	Mr.P.MANIKANDAN Assistant Professor - Mechanical Engineering		


S. No.	Agenda	Discussion / Action Taken	Responsibility	Target
1.	Academic Schedule and Syllabus Coverage	• Faculty members are asked to complete the syllabus as per academic schedule.	Faculty	Continuous
2.	Course Material availability	• Faculty members are asked to ensure the issue of course material to the students.	Faculty	Before IAT 2
3.	Internal Assessment Test	• IAT - 1 Performance is Analyzed • Students are motivated to get good marks in IAT 2.	Faculty & Students	Continuous
4.	Lab Conduction	• Students are asked to learn all the experiments with full attention. • Students must complete the observation and record before coming into the lab.	Students	Continuous
5.	Assignment / Case Study / Tutorial	• Assignment issue and submission / tutorial dates are informed to students and they are instructed to submit on time.	Faculty	Continuous
6.	Students Feedback about each course	• Design of Transmission Systems - Nil • Computer Aided Design and Manufacturing - Nil • Heat and Mass Transfer - Nil • Finite Element Analysis - Nil • Hydraulics and Pneumatics - Nil • Automobile Engineering - Nil • CAD / CAM Laboratory - Nil • Design and Fabrication Project - Nil • Professional Communication - Nil	Faculty	Continuous
7.	Any other Academic Matters	• Students were insisted to attend the classes regularly and maintain the punctuality.	Students	Continuous


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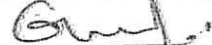
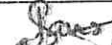

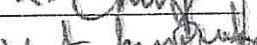
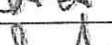
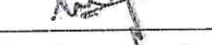
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Department of Mechanical Engineering**CLASS COMMITTEE MEETING - CIRCULAR**

Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	IV Year / VIII Sem.
Date	05.05.22	Meeting No.	02
Conducted By	Dr.R.MANI Professor - Mechanical Engineering		

The Class Committee Meeting - 02 for VIII semester students of Mechanical Engineering department will be conducted on 09.05.22 between 12.49 PM to 1.30 P.M. The following faculty and student members are asked to attend the meeting.

Members	Name of the faculty / Student	Name of the Subject / Class	Signature
Faculty	Dr.P.Murugesan	Professional Ethics / IV	
	Mr.K.Gopalakrishnan	Principle of management/IV	
	Mr.R.Vasanthakumar	Project /IV	
	Gowtham K		
	Samrat G		
	Chandra K		
	Arun Prakash K A		
	Sridhar P		
	Vimalakumar V		

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Department of Mechanical Engineering**CLASS COMMITTEE MEETING - MINUTES**

Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	IV Year / VIII Sem.
Date	09.05.22	Meeting No.	02
Conducted By	Dr.R.MANI Professor - Mechanical Engineering		

S. No.	Agenda	Discussion / Action Taken	Responsibility	Target
1	Academic Schedule and Syllabus Coverage	• Faculty members are asked to complete the syllabus as per academic schedule:(up to iv unit)	Faculty	Continuous
2	Internal Assessment Test	• Conducted IAT I Re Test Performed Well • IAT 2 Question pattern and dates are informed to students. • Students are motivated to get good marks in IAT 2.	Faculty & Students	Continuous
3	Project	• Students are asked to do social and industrial related quality projects.	Students	Continuous
4	Assignment / Case Study / Tutorial	• Assignment issue and submission / Case study dates are informed to students and they are instructed to submit on time.	Faculty	Continuous
5	Students Feedback about each course	• Professional Ethics - 4 unit completed • Principle of management - 4 unit completed • Project - II Review conducted	Faculty	Continuous
6	Any other Academic Matters	• Students were insisted to attend the classes regularly and maintain the punctuality.	Students	Continuous

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M. A. S.
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Department of Mechanical Engineering

CLASS COMMITTEE MEETING - CIRCULAR

Academic Year & Semester	2021 - 2022 (Even)	Year / Sem.	II Year / IV Sem.
Date	03-06-2022	Meeting No.	03
Conducted By	Dr.P. Kanakarajan Associate Professor - Mechanical Engineering		

The Class Committee Meeting - 03 for IV semester students of Mechanical Engineering department will be conducted on 08-06-2022 between 09:30 A.M. to 10:15.00 A.M. The following faculty and student members are asked to attend the meeting.

Members	Name of the faculty / Student	Name of the Subject / Class	Signature
Faculty	Mrs. R. Kavitha	Statistics and Numerical Methods	R. Kavitha 3/6/22
	Mr. A. Mohanraj	Kinematics of Machinery	A. Mohanraj 3/6/22
	Mr. J. Mathan	Manufacturing Technology - II	J. Mathan 3/6/22
	Dr. R. Nibani	Engineering Metallurgy	R. Nibani 3/6/22
	Mr. P. Manikandan	Strength of Materials for Mechanical Engineers	P. Manikandan 3/6/22
	Mr. K. Velusamy	Thermal Engineering- I	K. Velusamy 3/6/22
	Mr. S. Balamurugan	Manufacturing Technology Laboratory-II	S. Balamurugan 3/6/22
	Mr. P. Manikandan	Strength of Materials and Fluid Mechanics Machinery Laboratory	P. Manikandan 3/6/22
Students	V. Bharath	II Year - Mechanical Engineering	V. Bharath
	A.A. Navethitha		A.A. Navethitha
	M. Sanjeev kumar		M. Sanjeev kumar
	M. Deepan		M. Deepan
	M. Gokulnath		M. Gokulnath
	N. Vasanth		N. Vasanth

P. Kanakarajan
Chair Person

S. Balamurugan
HoD

P. Manikandan
Director - Academics

S. Balamurugan
Principal

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Department of Mechanical Engineering**CLASS COMMITTEE MEETING - MINUTES**

Academic Year & Semester	2021 - 2022 (Even)	Year / Sem.	II Year / IV Sem.
Date	08-06-2022	Meeting No.	03
Conducted By	Dr. P. Kanakarajan Associate Professor - Mechanical Engineering		

Sl. No.	Agenda	Discussion / Action Taken	Responsibility	Target
1.	Academic Schedule and Syllabus Coverage	<ul style="list-style-type: none"> Faculty members are asked to complete the syllabus as per academic schedule. 	Faculty	Continuous
2.	Course Material availability	<ul style="list-style-type: none"> Faculty members are asked to ensure the issue of course material to the students. 	Faculty	Before IAT 3
3.	Internal Assessment Test	<ul style="list-style-type: none"> IAT 3 Question pattern and dates are informed to students. Students are motivated to get good marks in IAT 3. 	Faculty & Students	Continuous
4.	Lab Conduction	<ul style="list-style-type: none"> Students are asked to learn all the experiments with full attention. Students must complete the observation and record before coming into the lab. 	Students	Continuous
5.	Assignment / Case Study / Tutorial	<ul style="list-style-type: none"> Assignment issue and submission / Case study dates are informed to students and they are instructed to submit on time. 	Faculty	Continuous
6.	Students Feedback about each course	<ul style="list-style-type: none"> Statistics and Numerical Methods - Nil Kinematics of Machinery - Nil Manufacturing Technology - II - Nil Engineering Metallurgy - Nil Strength of Materials for Mechanical Engineers - Nil Thermal Engineering- I - Nil Manufacturing Technology Lab-II - Nil Strength of Materials and Fluid Mechanics Machinery Laboratory - Nil 	Faculty	Continuous
7.	Any other Academic Matters	<ul style="list-style-type: none"> Students were insisted to attend the classes regularly and maintain the punctuality. Avoid mobile usage in corridor. Maintain the dress code. 	Students	Continuous

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Director - Academics

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DEPARTMENT OF EEE

ANALYSIS OF ACADEMIC REVIEW MEETING FEEDBACK

DATE: 24/12/21


The feedback received in Academic Review Meeting I (For First Year) is analyzed and the following corrective actions are suggested for the academic year 2021-2022(Odd sem).

S.No	Topic	Feedback received	Action taken
1.	Academic	For 1 year and 1 sem students For MC subject need most easy way to understand.	The HOD discussed with faculty and idea were given , Prepare the easy method solving problems and understanding.
2	General	<ul style="list-style-type: none"> • Students wants improve the activities of Foreign language Club. • Need Projector in class room 	Informed and discussed to club coordinator to improve the activities. Informed to Principal and Request is given.

P. Veer
24/12/21
HOD/EEE

P. Veer
24/12/21
IQAC coordinator


Principal


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DEPARTMENT OF EEE

ANALYSIS OF ACADEMIC REVIEW MEETING FEEDBACK

DATE:21.09.21

The feedback received in Academic Review Meeting I (for II, III ,IV years) is analyzed and the following corrective actions are suggested for the academic year 2021-2022 (Odd sem).

S.No	Topic	Feedback received	Action taken
1.	Academic	<ul style="list-style-type: none"> • II EEE – DLC subject Tutorial note need valuate and return to students. • Need more Training for Technical and aptitude. 	<p>The HOD discussed with concern faculty and advised to complete the valuation in time.</p> <ul style="list-style-type: none"> • HOD discussed with Training coordinator provide the additional classes
2.	General	<ul style="list-style-type: none"> • Need extra bus facility for students. • Our IET canteen need to operate . • In Mechanical building need water facility. 	<p>Request is given to Bus manager through Principal for provide additional buses.</p> <p>Request is given to Principal to operate,</p> <p>Facility Request is given to principal and Estate officer to provide.</p>

P. Veer
21/9/21.
HOD/EEE

P. Veer
21/9/21.
IQAC coordinator

[Signature]
21/09/21
Principal

[Signature]
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Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	I / I
Meeting No.	01	Date	23.12.2021
Conducted By	Dr.L.Selvam -HoD / IT Ms.S.S.Ramyadharshni-AP/IT		

S. No.	Description	S1 EP (V.Devabarathi)	S2 EC (S.Agiladevi)	S3 MC (P.Umadevi)	S4 PSPP (T.Selvaprabu)	S5 PE (S.Madhan)
1.	Syllabus completion (Ex: 3.2 Units completed)	1.5	2.5	2.25	2	2
2.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Good	Excellent	Excellent
3.	Assignment/ Seminar / Case Study Presentation	Given	A - 02 Semnr- 02 CS - 02	02 02 02	02 02 02	02 02 02
	Valuated	A -- Semnr - CS --	-	-	-	-
4.	Tutorials	Conducted	-	-	01	-
	Valuated	-	-	01	-	-
5.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Excellent	Good	Good	Excellent	Good
6.	Control of class (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Good	Excellent	Excellent
7.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Excellent	Friendly	Good	Excellent	Good
8.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Excellent	Good
9.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Excellent	Good	Good	Excellent	Good

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S. No.	Description	L1 PSPP Lab (T.Sevaprabu)	L2 P&C Lab	
			Physics Lab (V.Devabarathi)	Chemistry Lab (S.Agiladevi)
1.	Lab Conduction (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent
2.	Execution of Pre Lab & Post Lab (Yes/No)	Yes	Yes	Yes
3.	Experiment Conducted (Ex: 3/12)	6/12	4/7	5/7
4.	Experiment Valuated (Ex: 3/12)	5/6	3/4	4/5

About	Positives/ Likes	Negatives/ Dislikes
Department : (Electrical and Electronics Engineering)	<ul style="list-style-type: none"> Friendly faculty and motivate the student to participate in co curricular and extra-curricular activities 	-
College :	<ul style="list-style-type: none"> Students more energized about the club activities. Based on the conduction Technical and Non-Technical club activities, the students communication an technical skills has been improved 	<ul style="list-style-type: none"> Students want to improve the activities of foreign language club.

Any other Comments:

- Necessitate projector in class
- Mathematical subject should teach in minute way

[Signature]
Dept. Rep.
24/12

[Signature]
HoD
24/12

[Signature]
Director - Academics
24/12-21

[Signature]
Principal
24/12/21

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Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	II / III
Meeting No.	1	Date	20.09.2021
Conducted By	Dr. B. Murugesan	Mr. S. Chelladurai	

S. No.	Description		S1	S2	S3	S4	S5	S6
			(TPDE) (Mrs. P. Uma devi)	(PDE) (Dr. C. Santhakumar)	(DLC) (Mr. Y. Kalimuthu)	(EDC) (Ms. P. Divya Bharathi)	(EM-I) (Ms. Meena)	(EMT) (Mrs. R. Sachithraa)
10.	Syllabus completion (Ex: 3.2 Units completed)		2	2	2	2	2	2
11.	Understanding of Concept (Excellent/ Good/Avg/Poor)		Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
12.	Assignment/ Quiz/ Case Study/ Presentation	Given	A - 1 Q - Nil CS - 1 P - Nil	A - Nil Q - 4 CS - 1 P - Nil	A - Nil Q - 5 CS - Nil P - Nil	A - Nil Q - 6 CS - Nil P - Nil	A - Nil Q - 6 CS - Nil P - Nil	A - Nil Q - 6 CS - Nil P - Nil
		Valuated	A - 1 Q - Nil CS - 1 P - Nil	A - Nil Q - 4 CS - 1 P - Nil	A - Nil Q - 5 CS - Nil P - Nil	A - Nil Q - 6 CS - Nil P - Nil	A - Nil Q - 6 CS - Nil P - Nil	A - Nil Q - 6 CS - Nil P - Nil
13.	Tutorials							
	Conducted		--	--	1	--	--	--
	Valuated		--	--	No	--	--	--
14.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)		Good	Excellent	Excellent	Excellent	Excellent	Excellent
15.	Control of class (Excellent/ Good/Avg/Poor)		Good	Good	Good	Excellent	Excellent	Excellent
16.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)		Good	Excellent	Excellent	Excellent	Excellent	Excellent
17.	Student interest towards the subject (Excellent/ Good/Avg/Poor)		Good	Excellent	Excellent	Excellent	Excellent	Excellent
18.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)		Good	Excellent	Excellent	Excellent	Excellent	Excellent

PRINCIPAL.


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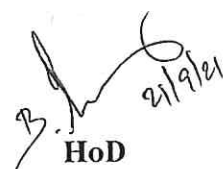
S. No.	Description	L1 (EDC Lab) Dr. T. Srihari & Ms. P. Divya bharathi	L2 (EM Lab) Mr. C. Sivakumar & Ms. Meena	L3 --
5.	Lab Conduction (Excellent/ Good/Avg/Poor)	Excellent	Excellent	--
6.	Execution of Pre Lab & Post Lab (Yes/No)	Yes	Yes	--
7.	Experiment Conducted (Ex: 3/12)	5/14	8/14	--
8.	Experiment Valuated (Ex: 3/12)	5/14	8/14	--

About	Positives/ Likes	Negatives/ Dislikes
Department : (EEE)	1) Friendly approach of faculty. 2) Webinar & alumni meet conduction was excellent.	-
College :	1) More number of events conducted. 2) Excellent placement & training	-


Any other Comments:


Nil


Dept. Rep.


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Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	III / V
Meeting No.	1	Date	20.09.2021
Conducted By	Dr. B. Murugesan	Mr. S. Chelladurai	

S. No.	Description		S1	S2	S3	S4	S5	S6
			(PSA) (Mr. C. Sivakumar)	(APC) (Dr. P. Veena)	(MPMC) (Dr. T. Srihari)	(DSP) (Ms. B. Latha)	(DOFS) (Mrs. S. Vimala)	(PE) (Dr. R. Jayabharath)
19.	Syllabus completion (Ex: 3.2 Units completed)		2	2	2	2	2.5	2
20.	Understanding of Concept (Excellent/ Good/Avg/Poor)		Excellent	Excellent	Good	Good	Excellent	Good
21.	Assignment/ Quiz/ Case Study/ Presentation	Given	A - 1 Q - 6 CS - 1 P - Nil	A - Nil Q - 3 CS - 1 P - Nil	A - 2 Q - 5 CS - 1 P - Nil	A - Nil Q - 10 CS - 1 P - Nil	A - 2 Q - 8 CS - Nil P - Nil	A - Nil Q - Nil CS - 1 P - Nil
		Valuated	A - 1 Q - 6 CS - 1 P - Nil	A - Nil Q - 3 CS - 1 P - Nil	A - 2 Q - 5 CS - 1 P - Nil	A - Nil Q - 10 CS - 1 P - Nil	A - 2 Q - 8 CS - Nil P - Nil	A - Nil Q - Nil CS - 1 P - Nil
22.	Tutorials	Conducted	--	--	--	2	--	--
		Valuated	--	--	--	2	--	--
23.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)		Good	Good	Good	Good	Good	Good
24.	Control of class (Excellent/ Good/Avg/Poor)		Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
25.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)		Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
26.	Student interest towards the subject (Excellent/ Good/Avg/Poor)		Good	Good	Good	Good	Good	Good
27.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)		Excellent	Excellent	Excellent	Excellent	Excellent	Excellent

H. Manoj

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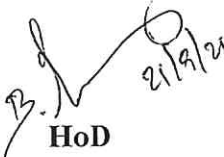
S. No.	Description	L1 (C&I Lab) Mrs. R. Sachithraa & Ms. P. Divya bharathi	L2 (OOPS Lab) Mrs. S. Vimala & Ms. S. Hamsarekha	L3 (PC Lab) Dr. C. Muhuntharajan
9.	Lab Conduction (Excellent/ Good/Avg/Poor)	Good	--	Good
10.	Execution of Pre Lab & Post Lab (Yes/No)	No	--	No
11.	Experiment Conducted (Ex: 3/12)	Nil/12	Nil/12	1/5
12.	Experiment Valuated (Ex: 3/12)	Nil/12	Nil/12	1/5

About	Positives/ Likes	Negatives/ Dislikes
Department : (EEE)	1) Friendly approach of faculty. 2) Clarification at any time. 3) Excellent motivation.	Need more number of training in technical & aptitude.
College :	Motivation in career development.	Need extra bus facility.

Any other Comments:


Nil


21/9/21
Dept. Rep.


21/9/21
HoD


21/9/21
Director - Academics


22/9/21
Principal


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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	IV / VII
Meeting No.	1	Date	18.09.2021
Conducted By	Dr. B. Murugesan	Mr. S. Chelladurai	

S. No.	Description	S1	S2	S3	S4	S5	S6
		(FOLI) (Mr. K. Meenatchi)	(PSOC) (Mr. S. Nandhakumar)	(HVE) (Ms. P. Divya bharathi)	(RES) (Dr. C. Santhakumar)	(AMI) (Dr. A. Murugesan)	(PST) (Mr. C. Sivakumar)
28.	Syllabus completion (Ex: 3.2 Units completed)	2	2	2	2	2	2
29.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Good	Excellent	Excellent	Excellent
30.	Assignment/ Quiz/ Case	Given	A – Nil Q – 2 CS – 1 P – Nil	A – Nil Q – 2 CS – 1 P – 1	A – Nil Q – 2 CS – 1 P – Nil	A – Nil Q – 2 CS – 1 P – Nil	A – Nil Q – 2 CS – 1 P – Nil
	Study/ Presentation		Valuated	A – Nil Q – 2 CS – Nil P – Nil	A – Nil Q – 2 CS – Nil P – Nil	A – Nil Q – 2 CS – Nil P – Nil	A – Nil Q – 2 CS – Nil P – Nil
31.	Tutorials	Conducted		--	--	--	--
		Valuated	--	--	--	--	--
32.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
33.	Control of class (Excellent/ Good/Avg/Poor)	Good	Excellent	Good	Excellent	Good	Excellent
34.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Excellent	Friendly	Excellent	Friendly	Excellent	Friendly
35.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Good	Good	Good	Excellent	Good	Excellent
36.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent

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S. No.	Description	L1 (PSS Lab) Mr. C. Sivakumar & Mr. S. Nandhakumar)	L2 (RES Lab) Dr. C. Santhakumar & Mrs. K. Meenatchi	L3 --
13.	Lab Conduction (Excellent/ Good/Avg/Poor)	Good	Good	--
14.	Execution of Pre Lab & Post Lab (Yes/No)	Yes	Yes	--
15.	Experiment Conducted (Ex: 3/12)	2/14	2/14	--
16.	Experiment Valuated (Ex: 3/12)	Nil/14	Nil/14	--

About	Positives/ Likes	Negatives/ Dislikes
Department : (EEE)	1) Friendly faculty. 2) Good teaching.	--
College :	1) Good infrastructure. 2) Good facilities in both boys & girls hostel.	1) Need extra bus facility. 2) Our food court to be opened. 3) Need drinking water facility in Mechanical block. 4) Need maintenance of toilets in Mechanical block.

Any other Comments:


Nil


21/9/24
Dept. Rep.


21/9/24
HoD


21/9/24
Director - Academics


22/9/24
Principal


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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY-TIRUCHENGODE

DEPARTMENT OF EEE

ANALYSIS OF ACADEMIC REVIEW MEETING FEEDBACK

DATE:23.02.2022

The feedback received in Academic meeting II (for first year) is analyzed and the following corrective actions are suggested for the academic year 2021-2022 (Odd Sem).

S.No	Topic	Feedback received	Action Taken
1	Academic	Nil	Nil
2	General	Nil	Nil

P. Veer
23/2/22
HOD / EEE

P. Veer
23/2/22
IQAC Coordinator

[Signature]
23/2/22
Principal

[Signature]
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Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	I / I
Meeting No.	02	Date	22.02.2022
Conducted By	Dr.L.Selvam –HoD / IT Dr.Russia, Prof./IT		

S. No.	Description	S1 EP (V.Devabarathi)	S2 EC (S.Agiladevi)	S3 MC (P.Umadevi)	S4 PSPP (T.Selvaprabu)	S5 PE (S.Madhan)
1.	Syllabus completion (Ex: 3.2 Units completed)	5	5	5	5	5
2.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Excellent	Excellent
3.	Assignment/ Seminar / Case Study Presentation	Given	A-1 S-1 C-1	A-1 S-1 C-1	A-1 S-1 C-1	A-1 S-1 C-1
	Valuated	-	-	-	-	-
4.	Tutorials	Conducted	-	-	01	-
	Valuated	-	-	-	-	-
5.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Excellent	Excellent
6.	Control of class (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Excellent	Excellent
7.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Excellent	Excellent	Excellent	Excellent	Excellent
8.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Excellent	Excellent
9.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Excellent	Excellent	Excellent	Excellent	Excellent

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S. No.	Description	L1 PSPP Lab (T.Sevaprabu)	L2 P&C Lab	
			Physics Lab (V.Devabarathi)	Chemistry Lab (S.Agiladevi)
1.	Lab Conduction (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent
2.	Execution of Pre Lab & Post Lab (Yes/No)	Yes	Yes	Yes
3.	Experiment Conducted (Ex: 3/12)	12/12	4/7	6/7
4.	Experiment Valuated (Ex: 3/12)	5/12	3/7	4/7

About	Positives/ Likes	Negatives/ Dislikes
Department : (Electrical and Electronics Engineering)	<ul style="list-style-type: none"> Friendly faculty approach Excellent Demonstration by Faculty members Students' interaction encouraged by faculty members 	-
College :	<ul style="list-style-type: none"> Excellent Laboratory facility Eco friendly environment 	-

Any other Comments:


- Bus – crowded problem (B. No.163)
- Class Room – Weekly cleaning is needed
- Boys' Hostel: Washing stone is needed


22/2/22
Dept. Rep.


22/2/22
HOD


22-2-22
Director – Academics


22/2/22
Principal


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DEPARTMENT OF EEE

ANALYSIS OF ACADEMIC REVIEW MEETING FEEDBACK

DATE: 10.11.21

The feedback received in Academic Review Meeting II (For II, III, IV years) is analyzed, and the following corrective actions are suggested for the academic year 2021-2022 (Odd sem).

S.No	Topic	Feedback received	Action taken
1.	Academic	<p>For II EEE TPDE subject to be improve students interest and comfort in subject</p> <ul style="list-style-type: none"> For III yr/IV Sem understanding concept is average for DSP & OOPS. Need more explanation for OOPS 	<p>The faculty members are mentored by HOD and suggested to create the interest and comfort in TPDE subject.</p> <p>The faculty members are mentored by HOD and following suggestions are given to improve understanding of concept by students</p> <ul style="list-style-type: none"> Suggested to solve more programs for OOPS. More tutorial classes can be conducted for DSP.
2.	General	<ul style="list-style-type: none"> Need Extra bus facility Need dustbin in class room Final year Class. room cleaning is need periodically. Lunch should be available in our canteen. 	<p>Request is given to Bus manager through Principal for provide additional buses.</p> <p>Request is given to Estate officer to provide.</p> <p>Principal advised to cleaning supervisor check and clean periodically.</p> <p>Discus with principal will provide lunch in canteen .</p>

P. Veer
10/11/21
HOD/EEE

P. Veer
10/11/21
IQAC coordinator

[Signature]
Principal

[Signature]
PRINCIPAL.

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NAMAKKAL DISTRICT, TAMIL NADU.

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	II / III
Meeting No.	2	Date	9/11/2021
Conducted By	Dr. B. Murugesan	Mr. S. Chelladurai	

S. No.	Description	S1	S2	S3	S4	S5	S6	
		(TPDE) (Mrs. P. Uma devi)	(PDE) (Dr. C. Santhakumar)	(DLC) (Mr. Y. Kalimuthu)	(EDC) (Ms. P. Divya Bharathi)	(EM-I) (Ms. Meena)	(EMT) (Mrs. R. Sachithraa)	
1.	Syllabus completion (Ex: 3.2 Units completed)	4	4	4	4	4	4	
2.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Good	Excellent	Excellent	Good	Good	Good	
3.	Assignment/ Quiz/ Case	Given	2	2	-	1	1	-
	Study/ Presentation	Valuated	-	-	-	1	1	-
4.	Tutorials	Conducted	-	-	4	-	-	4
		Valuated	-	-	4	-	-	4
5.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Good	Excellent	Excellent	Excellent	Good	Good	
6.	Control of class (Excellent/ Good/Avg/Poor)	Good	Good	Excellent	Good	Excellent	Excellent	
7.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Friendly	Friendly	Excellent	Friendly	Friendly	Excellent	
8.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Avg	Excellent	Excellent	Excellent	Good	Good	
9.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Avg	Good	Good	Good	Good	Good	


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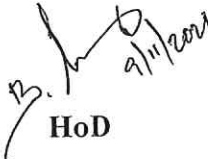
S. No.	Description	L1 (EDC Lab) Dr. T. Srihari & Ms. P. Divya bharathi	L2 (EM Lab) Mr. C. Sivakumar & Ms. Meena	L3 --
10.	Lab Conduction (Excellent/ Good/Avg/Poor)	Excellent	Excellent	
11.	Execution of Pre Lab & Post Lab (Yes/No)	No	No	
12.	Experiment Conducted (Ex: 3/12)	9/12	15/17	
13.	Experiment Valuated (Ex: 3/12)	10/12	11/17	

About	Positives/ Likes	Negatives/ Dislikes
Department : (EEE)	Friendly faculty members	Need extra time to complete the coaching questions
College :	Excellent SOP follow up	Need extra buses

Any other Comments:


Nil


9/11/21
Dept. Rep.


9/11/2021
HoD


9/11/21
Director - Academics


9/11/21
Principal


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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	III / V
Meeting No.	2	Date	9/11/2021
Conducted By	Dr. B. Murugesan	Mr. S. Chelladurai	

S. No.	Description	S1	S2	S3	S4	S5	S6
		(PSA) (Mr. C. Sivakumar)	(APC) (Dr. P. Veena)	(MPMC) (Dr. T. Srihari)	(DSP) (Ms. B. Latha)	(DOPS) (Mrs. S. Vimala)	(PE) (Dr. R. Jayabharath)
1.	Syllabus completion (Ex: 3.2 Units completed)	4	4	4	4	4	4
2.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Good	Good	Good	Good	Good	Good
3.	Assignment/ Quiz/ Case Study/ Presentation	Given	1	1	-	1	1
	Valuated	-	1	1	-	1	1
4.	Tutorials	Conducted	2	-	-	2	-
	Valuated	2	-	-	2	-	-
5.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
6.	Control of class (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
7.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Excellent	Excellent	Friendly	Friendly	Friendly	Excellent
8.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Good	Excellent	Good	Good
9.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Good	Good	Good	Good	Good	Good

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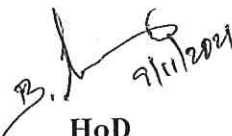
S. No.	Description	L1 (C&I Lab) Mrs. R. Sachithraa & Ms. P. Divya bharathi	L2 (OOPS Lab) Mrs. S. Vimala & Ms. S. Hamsarekha	L3 (PC Lab) Dr. C. Muhuntharajan
10.	Lab Conduction (Excellent/ Good/Avg/Poor)	Excellent	Good	Good
11.	Execution of Pre Lab & Post Lab (Yes/No)	Yes	Yes	Yes
12.	Experiment Conducted (Ex: 3/12)	10/13	8/11	5/5
13.	Experiment Valuated (Ex: 3/12)	10/13	8/11	5/5

About	Positives/ Likes	Negatives/ Dislikes
Department : (EEE)	Friendly approach faculty members	Nil
College :	Infrastructure Excellent training and placement	Need more buses.

Any other Comments:


Nil


9/11/21
Dept. Rep.


9/11/2021
HoD


9.11.21
Director - Academics


Principal


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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	IV / VII
Meeting No.	2	Date	9/11/2021
Conducted By	Dr. B. Murugesan	Mr. S. Chelladurai	

S. No.	Description	S1 (FOLI) (Mr. K. Meenatchi)	S2 (PSOC) (Mrs. Jeevitha)	S3 (HVE) (Ms. P. Divya bharathi)	S4 (RES) (Dr. C. Santhakumar)	S5 (AMI) (Dr. A. Murugesan)	S6 (PST) (Mr. C. Sivakumar)
14.	Syllabus completion (Ex: 3.2 Units completed)	4	4	4	4	4	4
15.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Good	Good	Good	Good	Good	Good
16.	Assignment/ Quiz/ Case Study/ Presentation	2	2	2	2	2	2
	Valuated	2	2	2	2	2	2
17.	Tutorials	-	-	-	-	-	-
	Valuated	-	-	-	-	-	-
18.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Good	Good	Good	Good	Good	Good
19.	Control of class (Excellent/ Good/Avg/Poor)	Good	Good	Good	Good	Good	Good
20.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
21.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
22.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent

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NAMAKKAL DISTRICT, TAMIL NADU.


S. No.	Description	L1 (PSS Lab) Mr. C. Sivakumar & Mr. S. Nandhakumar)	L2 (RES Lab) Dr. C. Santhakumar & Mrs. K. Meenatchi	L3 --
23.	Lab Conduction (Excellent/ Good/Avg/Poor)	Excellent	Excellent	-
24.	Execution of Pre Lab & Post Lab (Yes/No)	Yes	Yes	-
25.	Experiment Conducted (Ex: 3/12)	10/13	8/10	-
26.	Experiment Valuated (Ex: 3/12)	10/13	8/10	-

About	Positives/ Likes	Negatives/ Dislikes
Department : (EEE)	Excellent support for career	1. Need dustbin in classroom 2. Cleaning need every week.
College :	Excellent training and placement	Lunch should be available in our canteen.

Any other Comments:


Nil


Dept. Rep.


HoD


Director - Academics


Principal


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TIRUCHENGODE 621 015,
NAMAKKAL Dt. TAMIL NADU.

DEPARTMENT OF EEE

ANALYSIS OF ACADEMIC REVIEW MEETING FEEDBACK

DATE: 21.12.21

The feedback received in Academic Review Meeting III (For II, III, IV years) is analyzed and the following corrective actions are suggested for the academic year 2021-2022 (Odd sem).

S.No	Topic	Feedback received	Action taken
3.	Academic	For II EEE TPDE subject to be improve students interest and comfort in subject III-EEE students wants extra time to complete the coaching questions.	The faculty members are mentored by HOD and suggested to create the interest and comfort in TPDE subject. The faculty members are mentored by HOD and suggested give the time to completion.
4.	General	Need Extra bus facility Second year class room cleaning need periodically.	Request is given to Bus manager through Principal for provide additional buses. Principal advised to cleaning supervisor check and clean periodically.

P. Venu
21/12/21
HOD/EEE

P. Venu
21/12/21
IQAC coordinator

[Signature]
21/12/21
Principal

[Signature]
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TIRUCHENGODE 637 215,
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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	II / III
Meeting No.	3	Date	21.12.2021
Conducted By	Dr. B. Murugesan	Mr. S. Chelladurai	

S. No.	Description	S1 (TPDE) (Mrs. P. Uma devi)	S2 (PDE) (Dr. C. Santhakumar)	S3 (DLC) (Mr. Y. Kalimuthu)	S4 (EDC) (Ms. P. Divya Bharathi)	S5 (EM-I) (Ms. Meena)	S6 (EMT) (Mrs. R. Sachithraa)	
1.	Syllabus completion (Ex: 3.2 Units completed)	5	5	5	5	5	5	
2.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Good	Excellent	Excellent	Good	Good	Good	
3.	Assignment/ Quiz/ Case	Given	3	2	-	2	1	-
	Study/ Presentation	Valuated	3	2	-	2	1	-
4.	Tutorials	Conducted	-	-	5	-	1	5
		Valuated	-	-	5	-	1	5
5.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Good	Excellent	Excellent	Excellent	Good	Good	
6.	Control of class (Excellent/ Good/Avg/Poor)	Good	Good	Excellent	Good	Excellent	Excellent	
7.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Friendly	Friendly	Excellent	Friendly	Friendly	Excellent	
8.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Avg	Excellent	Excellent	Excellent	Good	Good	
9.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Avg	Good	Good	Good	Good	Good	

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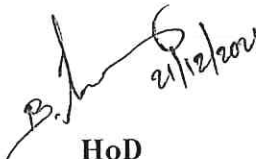
S. No.	Description	L1 (EDC Lab) Dr. T. Srihari & Ms. P. Divya bharathi	L2 (EM Lab) Mr. C. Sivakumar & Ms. Meena	L3 --
5.	Lab Conduction (Excellent/ Good/Avg/Poor)	Excellent	Excellent	
6.	Execution of Pre Lab & Post Lab (Yes/No)	No	No	
7.	Experiment Conducted (Ex: 3/12)	12/12	17/17	
8.	Experiment Valuated (Ex: 3/12)	10/12	10/17	

About	Positives/ Likes	Negatives/ Dislikes
Department : (EEE)	1) Friendly approach 2) Parental care	classroom should be cleaned every week
College :	1) Excellent infrastructure 2) Good canteen facility	Nil

Any other Comments:


Nil


21/12/21
Dept. Rep.


21/12/2021
HoD


21-12-21
Director - Academics


21/12/21
Principal


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TIRUCHENGODE - 617 015,
NAMAKKAL DI. TAMIL NADU.

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	III / V
Meeting No.	3	Date	20.12.2021
Conducted By	Dr. B. Murugesan	Mr. S. Chelladurai	

S. No.	Description	S1 (PSA) (Mr. C. Sivakumar)	S2 (APC) (Dr. P. Veena)	S3 (MPMC) (Dr. T. Srihari)	S4 (DSP) (Ms. B. Latha)	S5 (DOPS) (Mrs. S. Vimala)	S6 (PE) (Dr. R. Jayabharath)
10.	Syllabus completion (Ex: 3.2 Units completed)	5	5	5	5	5	5
11.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Good	Good	Good	Good	Good	Good
12.	Assignment/ Quiz/ Case	-	2	2	-	2	2
	Study/ Presentation	-	2	2	-	2	2
13.	Tutorials	4	-	-	4	-	-
		4	-	-	4	-	-
14.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
15.	Control of class (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
16.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Excellent	Excellent	Friendly	Friendly	Friendly	Excellent
17.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Good	Excellent	Good	Good
18.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Good	Good	Good	Good	Good	Good

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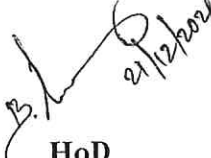
S. No.	Description	L1 (C&I Lab) Mrs. R. Sachithraa & Ms. P. Divya bharathi	L2 (OOPS Lab) Mrs. S. Vimala & Ms. S. Hamsarekha	L3 (PC Lab) Dr. C. Muhuntharajan
9.	Lab Conduction (Excellent/ Good/Avg/Poor)	Good	Good	Good
10.	Execution of Pre Lab & Post Lab (Yes/No)	Yes	Yes	Yes
11.	Experiment Conducted (Ex: 3/12)	13/13	11/11	5/5
12.	Experiment Valuated (Ex: 3/12)	13/13	11/11	5/5

About	Positives/ Likes	Negatives/ Dislikes
Department : (EEE)	1) Friendly faculty members 2) Excellent clarification towards doubts	Need extra time to complete the coaching questions
College :	Excellent SOP follow up	Need extra buses

Any other Comments:


Nil


22/12/21
Dept. Rep.


21/12/2021
HoD


21/12-21
Director - Academics


22/12/21
Principal


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Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (ODD)	Year / Sem.	IV / VII
Meeting No.	3	Date	20.12.2021
Conducted By	Dr. B. Murugesan	Mr. S. Chelladurai	

S. No.	Description	S1 (FOLI) (Mr. K. Meenatchi)	S2 (PSOC) (Mrs. Jeevitha)	S3 (HVE) (Ms. P. Divya bharathi)	S4 (RES) (Dr. C. Santhakumar)	S5 (AMI) (Dr. A. Murugesan)	S6 (PST) (Mr. C. Sivakumar)
19.	Syllabus completion (Ex: 3.2 Units completed)	5	5	5	5	5	5
20.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Good	Good	Good	Good	Good	Good
21.	Assignment/ Quiz/ Case	2	2	2	2	2	2
	Study/ Presentation	2	2	2	2	2	2
22.	Tutorials	-	-	-	-	-	-
		-	-	-	-	-	-
23.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Good	Good	Good	Good	Good	Good
24.	Control of class (Excellent/ Good/Avg/Poor)	Good	Good	Good	Good	Good	Good
25.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
26.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
27.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent

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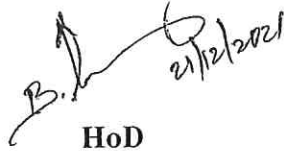
S. No.	Description	L1 (PSS Lab) Mr. C. Sivakumar & Mrs. Jeevitha)	L2 (RES Lab) Dr. C. Santhakumar & Mrs. K. Meenatchi	L3 --
13.	Lab Conduction (Excellent/ Good/Avg/Poor)	Excellent	Excellent	
14.	Execution of Pre Lab & Post Lab (Yes/No)	Yes	Yes	
15.	Experiment Conducted (Ex: 3/12)	13/13	10/10	
16.	Experiment Valuated (Ex: 3/12)	13/13	10/10	

About	Positives/ Likes	Negatives/ Dislikes
Department : (EEE)	Friendly faculty members	Nil
College :	1) Infrastructure 2) Excellent training and placement	Need more buses.

Any other Comments:


Nil


Dept. Rep.


HoD


Director - Academics


Principal


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DEPARTMENT OF EEE

ANALYSIS OF ACADEMIC REVIEW MEETING FEEDBACK

DATE:17.05.2022

The feedback received in Academic meeting I (for first year) is analyzed and the following corrective actions are suggested for the academic year 2021-2022 (Even Sem).

S.No	Topic	Feedback received	Action Taken
1	Academic	Nil	Nil
2	General	Nil	Nil

P. Keerthi
17/05/22
HOD / EEE

P. Keerthi
17/05/22
IQAC Coordinator

[Signature]
17/05/22
Principal

[Signature]
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Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021-2022 (EVEN)	Year / Sem.	I/II
Meeting No.	1	Date	12.05.2022
Conducted By	Dr. R Prabu, Prof/Biomedical Engineering Mr B B Sangameswaran, AP/ Biomedical Engineering		

S.No	Description	S1 PE-II (DR R KANAKASELVA M)	S2 SNM (P UMADEVI)	S3 PEE (Dr DEVABHARAT HI)	S4 BCME (.Dr P kanakarajan)	S5 EG (J MADAN)	S6 ECA (C SIVAKUMAR)
1.	Syllabus completion (Ex: 2.5 Units completed)	2.5	2.5	2.75	2.5	2.25	2.5
2.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Excellent	Good	Excellent
3.	Assignment/ Quiz/Case	Given					
	Study/ Presentation	CS-	1	1	1	1	-
		Valuated A- Q- CS-	-	-	-	-	-
4.	Tutorials	Conducted	1	1	-	-	1
		Valuated	-	-	-	-	-
5.	Interactive / Participative Learning(Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
6.	Control of class (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
7.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Excellent	Good	Excellent	Excellent	Excellent	Excellent
8.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Excellent	Good	Excellent	Good	Good	Excellent
9.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Excellent	Good	Excellent	Excellent	Good	Excellent

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S.No	Description	L1 EP LAB (Dr R MANI K VELUSAMY AND K MEENATCHI)	L2 EC LAB (C SIVAKUMAR)
1.	Lab Conduction (Excellent/ Good/Avg/Poor)	Excellent	Excellent
2.	Execution of Pre Lab & Post Lab (Yes/No)	Yes	Yes
3.	Experiment Conducted (Ex: 3/12)	4/10, 4/7	4/9
4.	Experiment Valuated (Ex: 3/12)	-	-

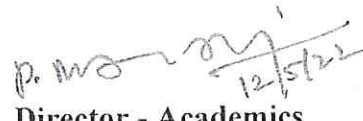
About	Positives/ Likes	Negatives/ Dislikes
Department: (I-EEE)	<ul style="list-style-type: none"> • Lab Facilities • Teaching Methods • Friendly Faculties 	Books received only for (EG,ECA and PE-II) but study material available
College	-	<ul style="list-style-type: none"> • Bus Facilities • Hostel Food - Average


Any other Comments:


Nil


12/5/22
Dept. Rep.


12/5/22
Coordinator


12/5/22
Director - Academics


12/5/22
Principal


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DEPARTMENT OF EEE

ANALYSIS OF ACADEMIC REVIEW MEETING FEEDBACK

DATE:06.04.2022


The feedback received in Academic meeting I (for II,III,IV years) is analyzed and the following corrective actions are suggested for the academic year 2021-2022 (Even Sem).

S.No	Topic	Feedback received	Action Taken
1	Academic	Nil	Nil
2	General	1.Class cleaning is needed weekly twice 2. More cultural and Sports events are needed.	1. Instruction is given to cleaning team and supervisor. 2. Based on the Request Cultural club & Sports club is started for conducting more events.

P. Venk
6/4/22.
HOD / EEE

P. Venk
6/4/22.
IQAC Coordinator


Principal


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Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	II / IV
Meeting No.	01	Date	02.04.2022
Conducted By	Mr. M. S. VIJAYARAJ	Ms. R. KAVITHA	


S. No.	Description	NM (MA8491) Ms.P. Umadevi	EM - II (EE8401) Ms.S. Meena	T & D (EE8402) Dr. C. Santhaku mar	M & I (EE8403) Dr. A. Muruges an	LIC (EE8451) Ms. P. Dhivyabh arathi	CS (IC8451) Mrs. R. Sacithraa
1.	Syllabus completion (Ex: 3.2 Units completed)	2	2	2	2	2	2
2.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Good	Good	Excellent	Excellent	Excellent	Good
3.	Assignment/ Quiz/ Case Study	02	-	-	-	-	-
	Presentation	-	-	-	-	-	-
4.	Tutorials	-	02	02	-	-	-
		-	02	01	-	-	-
5.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Excellent	Good	Good
6.	Control of class (Excellent/ Good/Avg/Poor)	Good	Excellent	Excellent	Excellent	Excellent	Excellent
7.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Friendly	Friendly	Friendly	Friendly	Friendly	Friendly
8.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Good	Good	Good	Good	Good	Good
9.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Good	Good	Good	Good	Excellent	Excellent


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S. No.	Description	EM - II LAB (EE8411) Mr.C.Sivakumar Dr.P.Veena	LDIC LAB (EE8461) Dr.T.Srihari Ms.R.Sacithraa
1.	Lab Conduction (Excellent/ Good/Avg/Poor)	Excellent	Excellent
2.	Execution of Pre Lab & Post Lab (Yes/No)	Pre-lab-Yes Post-lab-No	Pre-lab-Yes Post -lab-No
3.	Experiment Conducted (Ex: 3/12)	6/14	6/14
4.	Experiment Valuated (Ex: 3/12)	6/14	4/14

About	Negatives/ Dislikes
Department:	<ul style="list-style-type: none"> • Need Class cleaning (weekly twice) • Morning break time not sufficient.
College:	<ul style="list-style-type: none"> • Hostel food quality need to be improved. • Need for emergency medical kit. • Lunch time is not sufficient for hostel students. • More crowd in college bus • For (Industrial visit) college provide 50% amount (request).


Any other Comments: Nil


2/4/22
Dept. Rep./Maths


2/4/22
Coordinator/Maths


2/4/22
Director - Academics


2/4/22
Principal


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Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	III / VI
Meeting No.	01	Date	02.04.2022
Conducted By	Mr. M. S. VIJAYARAJ	Ms. R. KAVITHA	

S. No.	Description	SSD (EE8601) Dr. R. Jeyabharath	PSG (EE8602) Mr.C. Sivakumar	ES (EE8691) Mrs. K. Meenatchi	DEA (EE8002) Mr. Y. Kalimuthu	SEM (EE8005) Dr. P. Veena
1.	Syllabus completion (Ex: 3.2 Units completed)	2	2	2	2	2
2.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Good	Excellent	Excellent	Excellent	Good
3.	Assignment/ Quiz/ Case Study	-	-	-	-	-
	Presentation	-	-	-	-	-
4.	Tutorials	-	-	-	-	-
		-	-	-	-	-
5.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Good	Good	Excellent	Good	Good
6.	Control of class (Excellent/ Good/Avg/Poor)	Good	Good	Good	Good	Good
7.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Friendly	Friendly	Friendly	Friendly	Friendly
8.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Good	Excellent	Excellent	Good	Good
9.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Good	Good	Good	Good	Good


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S. No.	Description	PED LAB (EE8661)	MPMC LAB (EE8681)
1.	Lab Conduction (Excellent/ Good/Avg/Poor)	Excellent	Good
2.	Execution of Pre Lab & Post Lab (Yes/No)	Yes	Yes
3.	Experiment Conducted (Ex: 3/12)	6/19	4/16
4.	Experiment Valuated (Ex: 3/12)	6/19	4/16


About	Positives/ Likes	Negatives/ Dislikes
Department:	<ul style="list-style-type: none"> • Friendly Approach • Giving motivation to each student • Maintaining punctuality • Doubt clearance is good 	<ul style="list-style-type: none"> • More interaction among students is needed. • More activities needed. • Classroom not cleaned properly.
College:	<ul style="list-style-type: none"> • Free Transport • Free Scholarship • Bringing more packages companies for recruitment. 	<ul style="list-style-type: none"> • More cultural and sports events are needed • To conduct the placement training at 10.00 am. • More buses are needed. (Namakkal, salem ,Tiruchengode)

Any other Comments:


Nil


2/16/22
Dept. Rep./Maths


2/16/22
Coordinator/Maths


2/16/22
Director - Academics


2/16/22
Principal


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NAMAKKAL DL, TAMIL NADU.

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Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING

Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	IV / VIII
Meeting No.	01	Date	02.04.2022
Conducted By	Mr. M. S. VIJAYARAJ	Ms. R. KAVITHA	

S. No.	Description	EEGUC (EE8015) Mr.S.Velmurugan	MBSD (EE8018) Ms. K. Meenatchi
1.	Syllabus completion (Ex: 3.2 Units completed)	2.5	2
2.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Good	Good
3.	Assignment/ Quiz/	Given	-
	Case Study Presentation	Valuated	-
4.	Tutorials	Conducted	-
		Valuated	-
5.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Good	Good
6.	Control of class (Excellent/ Good/Avg/Poor)	Good	Good
7.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Friendly	Friendly
8.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Good	Good
9.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Good	Good

H. S. S.
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S. No	Description	Project Work Dr. A. Murugesan Mr.T.Arvind
1.	Project Work Lab conduction (Excellent/Good/Avg./Poor)	1 st review completed total 6-batch 4 student for batch

About	Positives/ Likes	Negatives/ Dislikes
Department:	<ul style="list-style-type: none"> Friendly faculties Good guidance for project Motivation to participate in inter college competitions 	NIL
College:	NIL	<ul style="list-style-type: none"> Cold water facility not available. LAN connection needed for personal laptops

Any other Comments:

NIL

R. J.
2/4/22
Dept. Rep./Maths

V.
2/4/22
Coordinator/Maths

P. Murugan
4/4/22
Director - Academics

A.
2/4/22
Principal

H.
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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY-TIRUCHENGODE

DEPARTMENT OF EEE

ANALYSIS OF ACADEMIC REVIEW MEETING FEEDBACK

DATE:08.06.2022

The feedback received in Academic meeting III (for II,III,IV years) is analyzed and the following corrective actions are suggested for the academic year 2021-2022 (Even Sem).

S.No	Topic	Feedback received	Action Taken
1	Academic	1. II year students NM & EM-II need to create the more Comfortable in subjects.	1. The dept HOD insist and idea were given to the faculty to make the comfort in that particular subjects.
2	General	Nil	Nil

P. Veer
28/6/22
HOD / EEE

P. Veer
28/6/22
IQAC Coordinator

[Signature]
Principal


[Signature]
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NAMAKKAL Dt. TAMIL NADU.

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY
Department of Electrical and Electronics Engineering
ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	II / IV
Meeting No.	03	Date	04.06.2022
Conducted By	Mr. M. S. VIJAYARAJ	Ms. R. KAVITHA	

S. No.	Description	NM (MA8491) Ms.P. Umadevi	EM - II (EE8401) Ms.S. Meena	T & D (EE8402) Dr. C. Santhakumar	M & I (EE8403) Dr. A. Murugesan	LIC (EE8451) Ms. P. Dhivyabh arathi	CS (IC8451) Mrs. R. Sacithraa
1.	Syllabus completion (Ex: 3.2 Units completed)	5	5	5	5	5	5
2.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Good	Excellent	Excellent	Excellent	Good	Good
3.	Assignment/ Quiz/ Case Study	Given	2	-	2	2	2
	Presentation	Valuated	2	-	2	2	2
4.	Tutorials	Conducted	-	1	-	-	-
		Valuated	-	1	-	-	-
5.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Good	Good	Good
6.	Control of class (Excellent/ Good/Avg/Poor)	Good	Good	Excellent	Excellent	Good	Excellent
7.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Excellent	Friendly	Excellent	Friendly	Excellent	Friendly
8.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Average	Average	Good	Good	Average	Average
9.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Average	Average	Excellent	Excellent	Good	Good

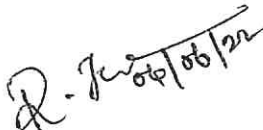

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S. No.	Description	EM - II LAB (EE8411) Mr.C.Sivakumar Dr.P.Veena	LDIC LAB (EE8461) Dr.T.Srihari Ms.R.Sacithraa
1.	Lab Conduction (Excellent/ Good/Avg/Poor)	Excellent	Excellent
2.	Execution of Pre Lab & Post Lab (Yes/No)	Yes	Yes
3.	Experiment Conducted (Ex: 3/12)	14/14	14/14
4.	Experiment Valuated (Ex: 3/12)	14/14	14/14

About	Positives/ Likes	Negatives/ Dislikes
Department:	• Good	Nil
College:	Nil	Nil

Any other Comments:


Nil


Dept. Rep./Maths


Coordinator/Maths


Director - Academics


Principal


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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	III / VI
Meeting No.	03	Date	04.06.2022
Conducted By	Mr. M. S. VIJAYARAJ	Ms. R. KAVITHA	

S. No.	Description	SSD (EE8601) Dr. R. Jeyabharath	PSG (EE8602) Mr.C. Sivakumar	ES (EE8691) Mrs. K. Meenatchi	DEA (EE8002) Mr. Y. Kalimuthu	SEM (EE8005) Dr. P. Veena
1.	Syllabus completion (Ex: 3.2 Units completed)	5	5	5	5	5
2.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Good	Excellent	Excellent	Good	Good
3.	Assignment/ Quiz/ Case Study	-	1	-	1	-
	Presentation	-	1	-	1	-
4.	Tutorials	-	-	-	1	-
		-	-	-	1	-
5.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Good	Excellent	Excellent	Good	Good
6.	Control of class (Excellent/ Good/Avg/Poor)	Good	Excellent	Excellent	Good	Good
7.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Good	Friendly	Friendly	Good	Good
8.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Good	Excellent	Good	Good	Good
9.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Good	Excellent	Excellent	Good	Good

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S. No.	Description	PED LAB (EE8661) Mrs. A. Jeevitha Ms.S. Meena	MPMC LAB (EE8681) Dr. A. Murugesan Ms. P. Dhivyabharathi
1.	Lab Conduction (Excellent/ Good/Avg/Poor)	Good	Good
2.	Execution of Pre Lab & Post Lab (Yes/No)	Yes	Yes
3.	Experiment Conducted (Ex: 3/12)	19/19	16/16
4.	Experiment Valuated (Ex: 3/12)	19/19	16/16


About	Positives/ Likes	Negatives/ Dislikes
Department:	• Nil	• Nil
College:	• Nil	• Nil

Any other Comments:


Nil


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NAMAKKAL Dt. TAMIL NADU.

K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	IV / VIII
Meeting No.	03	Date	04.06.2022
Conducted By	Mr. M. S. VIJAYARAJ	Ms. R. KAVITHA	

S. No.	Description	EEGUC (EE8015) Mr.S.Velmurugan	MBSD (EE8018) Ms. K. Meenatchi
1.	Syllabus completion (Ex: 3.2 Units completed)	5	5
2.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Good	Good
3.	Assignment/ Quiz/ Case Study Presentation	2	2
		2	2
4.	Tutorials	-	-
		-	-
5.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Good	Good
6.	Control of class (Excellent/ Good/Avg/Poor)	Good	Good
7.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Friendly	Friendly
8.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Good	Good
9.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Good	Good

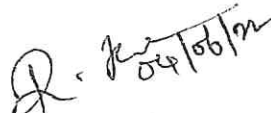
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S. No	Description	Project Work Dr. A. Murugesan Mr.T.Arvind
1.	Project Work Lab conduction (Excellent/Good/Avg./Poor)	2 nd review completed

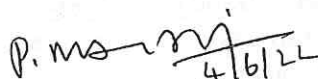
About	Positives/ Likes	Negatives/ Dislikes
Department:	<ul style="list-style-type: none"> Good guidance for project 	NIL
College:	NIL	NIL


Any other Comments:


NIL


04/06/22
Dept. Rep./Maths


4/6/22
Coordinator/Maths


4/6/22
Director - Academics


Principal


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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY-TIRUCHENGODE

DEPARTMENT OF EEE

ANALYSIS OF ACADEMIC REVIEW MEETING FEEDBACK

DATE:18.05.2022

The feedback received in Academic meeting II (for II,III,IV years) is analyzed and the following corrective actions are suggested for the academic year 2021-2022 (Even Sem).

S.No	Topic	Feedback received	Action Taken
1	Academic	1. II year students LIC & EM-II need to create the more interest in their subjects.	1. The dept HOD insist and idea were given to the faculty for creating interest in that particular subjects.
2	General	Nil	Nil

P. Veer
18/5/22
HOD / EEE

P. Veer
18/5/22
IQAC Coordinator


Principal


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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	II / IV
Meeting No.	02	Date	11.05.2022
Conducted By	Mr. M. S. VIJAYARAJ	Ms. R. KAVITHA	

S. No.	Description	NM (MA8491) Ms.P. Umadevi	EM - II (EE8401) Ms.S. Meena	T & D (EE8402) Dr. C. Santhaku mar	M & I (EE8403) Dr. A. Muruges an	LIC (EE8451) Ms. P. Dhivyabh arathi	CS (IC8451) Mrs. R. Sacithraa
1.	Syllabus completion (Ex: 3.2 Units completed)	4	4	4	4	4	4
	Understanding of Concept (Excellent/ Good/Avg/Poor)	Good	Excellent	Excellent	Excellent	Good	Good
3.	Assignment/ Quiz/ Case Study	3	-	1	1	1	-
	Presentation	2	-	1	1	1	-
4.	Tutorials	-	3	-	-	-	1
		-	2	-	-	-	1
5.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Excellent	Excellent	Excellent	Good	Good	Good
6.	Control of class (Excellent/ Good/Avg/Poor)	Good	Good	Excellent	Excellent	Good	Excellent
7.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Excellent	Friendly	Excellent	Friendly	Excellent	Friendly
8.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Average	Average	Good	Good	Average	Average
9.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Average	Average	Excellent	Excellent	Good	Good

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S. No.	Description	EM - II LAB (EE8411) Mr.C.Sivakumar Dr.P.Veena	LDIC LAB (EE8461) Dr.T.Srihari Ms.R.Sacithraa
1.	Lab Conduction (Excellent/ Good/Avg/Poor)	Excellent	Excellent
2.	Execution of Pre Lab & Post Lab (Yes/No)	Yes	Yes
3.	Experiment Conducted (Ex: 3/12)	7/14	8/14
4.	Experiment Valuated (Ex: 3/12)	7/14	7/14

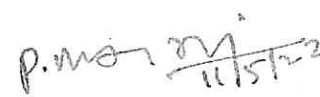
About	Positives/ Likes	Negatives/ Dislikes
Department:	<ul style="list-style-type: none"> Friendly Approach 	Nil
College:	Nil	Nil

Any other Comments:


Nil


Dept. Rep./Maths


Coordinator/Maths


Director - Academics


Principal


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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	III / VI
Meeting No.	02	Date	11.05.2022
Conducted By	Mr. M. S. VIJAYARAJ	Ms. R. KAVITHA	

S. No.	Description	SSD (EE8601) Dr. R. Jeyabharath	PSG (EE8602) Mr.C. Sivakumar	ES (EE8691) Mrs. K. Meenatchi	DEA (EE8002) Mr. Y. Kalimuthu	SEM (EE8005) Dr. P. Veena
1.	Syllabus completion (Ex: 3.2 Units completed)	4	4	4	4	4
2.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Good	Excellent	Excellent	Good	Good
3.	Assignment/ Quiz/ Case Study	-	1	-	1	-
	Presentation	-	1	-	1	-
4.	Tutorials	-	-	-	1	-
		-	-	-	1	-
5.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Good	Excellent	Excellent	Good	Good
6.	Control of class (Excellent/ Good/Avg/Poor)	Good	Excellent	Excellent	Good	Good
7.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Good	Friendly	Friendly	Good	Good
8.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Good	Excellent	Good	Good	Good
9.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Good	Excellent	Excellent	Good	Good


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S. No.	Description	PED LAB (EE8661) Mrs. A. Jeevitha Ms.S. Meena	MPMC LAB (EE8681) Dr. A. Murugesan Ms. P. Dhivyabharathi
1.	Lab Conduction (Excellent/ Good/Avg/Poor)	Good	Good
2.	Execution of Pre Lab & Post Lab (Yes/No)	Yes	Yes
3.	Experiment Conducted (Ex: 3/12)	10/19	10/16
4.	Experiment Valuated (Ex: 3/12)	10/19	10/16


About	Positives/ Likes	Negatives/ Dislikes
Department:	<ul style="list-style-type: none"> • Friendly faculties. • Doubt clearance is good. 	<ul style="list-style-type: none"> • Nil
College:	<ul style="list-style-type: none"> • Good Infrastructure • Free Transport 	<ul style="list-style-type: none"> • More cultural and sports events are needed


Any other Comments:

Nil


11/5/22
Dept. Rep./Maths


11/5/22
Coordinator/Maths


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Director - Academics


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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Department of Electrical and Electronics Engineering

ACADEMIC REVIEW MEETING



Academic Year & Semester	2021 - 2022 (EVEN)	Year / Sem.	IV / VIII
Meeting No.	02	Date	11.05.2022
Conducted By	Mr. M. S. VIJAYARAJ		Ms. R. KAVITHA

S. No.	Description	EEGUC (EE8015) Mr.S.Velmurugan	MBSD (EE8018) Ms. K. Meenatchi
1.	Syllabus completion (Ex: 3.2 Units completed)	4	4
2.	Understanding of Concept (Excellent/ Good/Avg/Poor)	Good	Good
3.	Assignment/ Quiz/ Case Study Presentation	2	2
	Valuated	2	2
4.	Tutorials	-	-
	Valuated	-	-
5.	Interactive / Participative Learning (Excellent/ Good/Avg/Poor)	Good	Good
6.	Control of class (Excellent/ Good/Avg/Poor)	Good	Good
7.	Faculty approach towards students (Excellent/ Friendly/ Good/Avg/Poor/ Rude)	Friendly	Friendly
8.	Student interest towards the subject (Excellent/ Good/Avg/Poor)	Good	Good
9.	Comfortable zone of the class in the subject (Excellent/ Good/Avg/Poor/ Uncomfortable)	Good	Good


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S. No	Description	Project Work Dr. A. Murugesan Mr.T.Arvind
1.	Project Work Lab conduction (Excellent/Good/Avg./Poor)	2 nd review completed

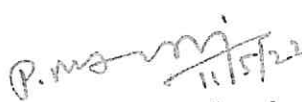
About	Positives/ Likes	Negatives/ Dislikes
Department:	<ul style="list-style-type: none"> Good guidance for project 	NIL
College:	NIL	NIL

Any other Comments:


NIL


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Dept. Rep./Maths


11/5/22
Coordinator/Maths


11/5/22
Director - Academics


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K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Consolidated Faculty Feedback

Academic Year: 2021-2022

Sem: EVEN

S. No	Name of the Faculty	Class Section/ Sem	Subject	Consolidated Mark	Evaluation
1.	Mr.P.Govindaraju	I/II	Circuit Analysis	9.16	EXCELLENT
2.	Mrs.V.Sindhuja	II / III	Engineering Practices Lab	8.57	VERY GOOD
3.	Mrs.V.Sindhuja	II / III	Circuit Analysis Lab	8.36	VERY GOOD
4.	Ms.P.Mohana Sunthari	II / III	Engineering Practices Lab	7.97	VERY GOOD
5.	Ms.P.Mohana Sunthari	II / III	Circuit Analysis Lab	7.98	VERY GOOD
6.	Mr.M.M.Arun Prasath	II / III	Electronic Circuits II	8.31	VERY GOOD
7.	Mr.T.Marthandan	II / III	Communication Theory	7.64	VERY GOOD
8.	Dr.S.Premalatha	II / III	Electromagnetic Fields	7.72	VERY GOOD
9.	Dr.S.Jayachitra	II / III	Linear Integrated Circuits	7.8	VERY GOOD
10.	Mr.M.M.Arun Prasath	II / III	Circuits Design and Simulation Laboratory	8.38	VERY GOOD
11.	Mr.T.Marthandan	II / III	Circuits Design and Simulation Laboratory	7.69	VERY GOOD
12.	Dr.S.Jayachitra	II / III	Linear Integrated Circuits Laboratory	8.04	VERY GOOD
13.	Ms.B.Latha	II/III	Linear Integrated Circuits Laboratory	8.89	VERY GOOD
14.	Ms.M.Jeyabharathi	III/V	Microprocessors and Microcontrollers	8.40	VERY GOOD
15.	Mr.M.Udhayakumar	III/V	VLSI Design	7.94	VERY GOOD
16.	Mrs.V.Sindhuja	III/V	Wireless Communication	8.39	VERY GOOD
17.	Ms.B.Latha	III/V	Principles of Management	8.33	VERY GOOD
18.	Ms.P.Mohana Sunthari	III/V	Transmission Lines and RF Systems	7.88	VERY GOOD
19.	Mr.B.Vinothkumar	III/V	Wireless Networks	7.87	VERY GOOD
20.	Ms.M.Jeyabharathi	III/V	Microprocessors and Microcontrollers Laboratory	8.49	VERY GOOD
21.	Mrs.V.Sindhuja	III/V	Microprocessors and Microcontrollers Laboratory	8.39	VERY GOOD
22.	Ms.P.Mohana Sunthari	III/V	Microprocessors and Microcontrollers Laboratory	7.92	VERY GOOD
23.	Mr.M.Udhayakumar	III/V	VLSI Design Laboratory	7.90	VERY GOOD
24.	Mr.B.Vinoth Kumar	III/V	VLSI Design Laboratory	7.82	VERY GOOD
25.	Mrs.V.Sindhuja	III/V	VLSI Design Laboratory	8.36	VERY GOOD
26.	Mr.M.M.Arun Prasath	III/V	Technical Seminar	7.94	VERY GOOD
27.	Ms.P.Mohana Sunthari	III/V	Technical Seminar	7.97	VERY GOOD
28.	Dr.R.Nandakumar	IV/VII	Digital Image Processing	8.12	VERY GOOD
29.	Mr.M.V.Mahesh	IV/VII	Satellite Communication	7.96	VERY GOOD
30.	Mr.M.V.Mahesh	IV/VII	Project Work	7.87	VERY GOOD
31.	Dr.S.Premalatha	IV/VII	Project Work	7.97	VERY GOOD
32.	Dr.S.Premalatha	II-IT/III	Basics of Electrical and Electronics Engineering	8.28	VERY GOOD
33.	Ms.M.Jeyabharathi	II-CSE/III	Basics of Electrical and Electronics Engineering	9.59	EXCELLENT
34.	Mr.M.Udhayakumar	II-IT/III	Engineering Practices Lab	7.80	VERY GOOD
35.	Mr.B.Vinothkumar	II-IT/III	Engineering Practices Lab	7.76	VERY GOOD
36.	Mr.T.Marthandan	II-CSE/III	Engineering Practices Lab	8.97	VERY GOOD

P. Govindaraju
17/1/22
HOD

M. V. Mahesh
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Subject Name : PROGRAMMING IN C Subject Code : CS 3251

Class : I Year II Semester IT Branch IT Section ---

Portions Covered

Duration Details	End of 1 st Month*	End of 2 nd Month*	End of 3 rd Month*	End of Semester
% of Portions covered in terms of Units	31	60	96	100
Signature of Faculty	<i>[Signature]</i> 29/4	<i>[Signature]</i> 31/5	<i>[Signature]</i> 30/6	<i>[Signature]</i> 6/7
Signature of HOD	<i>[Signature]</i> 29/4	<i>[Signature]</i> 31/5	<i>[Signature]</i> 30/6	<i>[Signature]</i> 6/7
Signature of Auditor	<i>[Signature]</i> 3.8.22	<i>[Signature]</i> 3.8.22	<i>[Signature]</i> 3.8.22	<i>[Signature]</i> 3.8.22

Subject Name : Subject Code :

Class : Year Semester Branch Section

Portions Covered

Duration Details	End of 1 st Month*	End of 2 nd Month*	End of 3 rd Month*	End of Semester
% of Portions covered In terms of Units				
Signature of Faculty				
Signature of HOD				
Signature of Auditor				

*End of the month means the last working day in the month

[Signature]
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Lab Name : PROGRAMMING IN C LABORATORY Lab Code : CS3271

Class : I Year II Semester IT Branch IT Section IT

Experiments Completed

Duration Details	End of 1 st Month*	End of 2 nd Month*	End of 3 rd Month*	End of Semester
No. of Experiments Completed	2/10	8/10	14/10	10/10
Signature of Faculty	<i>[Signature]</i> 29/4	<i>[Signature]</i> 2/6	<i>[Signature]</i> 29/6	<i>[Signature]</i> 6/2
Signature of HOD	<i>[Signature]</i> 29/4	<i>[Signature]</i> 2/6	<i>[Signature]</i> 29/6	<i>[Signature]</i> 6/2
Signature of Auditor	<i>[Signature]</i> 3-8-22	<i>[Signature]</i> 3-8-22	<i>[Signature]</i> 3-8-22	<i>[Signature]</i> 3-8-22

Lab Name : Lab Code :

Class : Year Semester Branch Section

Experiments Completed

Duration Details	End of 1 st Month*	End of 2 nd Month*	End of 3 rd Month*	End of Semester
No. of Experiments Completed				
Signature of Faculty				
Signature of HOD				
Signature of Auditor				

*End of the month means the last working day in the month

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RECORD OF CLASS WORK

Subject Name : PROGRAMMING IN C Subject Code : CS325J

Class : I Year II Semester IT Branch IT Section IT

Proposed		Topics Covered	Execution		Initials
Date	Period		Date	Period	
UNIT-I Basics of C Program					
4.4.22	3	Programming paradigms, Applications of C language, Structure of a C program	4.4.22	3	BT
6.4.22	4	C-Programming - Data types, Enumeration, Precedence & Associativity, Expressions, keywords, operators	6.4.22	4	BT
8.4.22	5	Assignment Statements, Making decisions	8.4.22	5	BT
9.4.22	3	Decision making statements - if, if-else, Else-if ladder, nested if.	9.4.22	3	BT
11.4.22	3	Switch Statements	9.4.22	4	BT
13.4.22	4	Looping statements - while, do-while	11.4.22	3	BT
14.4.22	3	Looping statements - for loop, Break, continue and goto statements	14.4.22	4	BT
20.4.22	4	Preprocessor Directives, compilation process	18.4.22	3	BT
UNIT II Arrays and Strings					
22.4.22	1	Introduction to arrays: Declaration and Initialization	20.4.22	4	BT
22.4.22	5	One dimensional Array usage, Simple program with arrays	22.4.22	1	BT
23.4.22	3	Computing mean, median and mode program, Program Explanation	25.4.22	3	BT
25.4.22	3	2-D Arrays - usage, simple program	27.4.22	4	BT
27.4.22	4	Matrix - operations with program	29.4.22	1	BT
29.4.22	1	Strings - declaration, demo program	4.5.22	4	BT
29.4.22	5	String operations - length, compare, concatenate and copy	6.5.22	1	BT
4.5.22	4	Sorting program - Selection, Insertion	7.5.22	3	BT
6.5.22	1	Searching program - Linear, Binary	7.5.22	4	BT
UNIT III - Functions and Pointers					
6.5.22	5	Function - definition, declaration, call	11.5.22	4	BT
9.5.22	3	Built-in Functions - String and math functions	14.5.22	3	BT
11.5.22	4	Recursion - Binary search using recursive functions	21.5.22	3	BT
13.5.22	1	Computation of simple interest pass by value			

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RECORD OF CLASS WORK

Subject Name : Programming in C Subject Code : CS3251
 Class : I Year II Semester IT Branch IT Section IT

Proposed		Topics Covered	Execution		Initials
Date	Period		Date	Period	
13.5.22	1	Scientific calculation using functions pass-by-reference	21.5.22	4	B
12.5.22	5	Pointers - Arithmetic Operators	28.5.22	3	B
23.5.22	3	Arrays and Pointers; Arrays of Pointers	28.5.22	4	B
25.5.22	4	Pointers - 2D Array, 3D Array	27.5.22	1	B
27.5.22	1	Parameter passing: Pass by value & Reference	30.5.22	3	B
27.5.22	5	Swapping of two numbers	14.5.22	4	B
27.5.22	5	Changing the value of a variable using Pass by Reference			
UNIT-IV Structures & UNION					
30.5.22	3	Structure - description, Declaration, definition, usage	21.5.22	4	B
1.6.22	4	Accessing structure elements, Nested structures	6.6.22	1,3	B
3.6.22	1	Pointer members	3.6.22		
3.6.22	1	Pointer objects for structures	8.6.22	1,	B
3.6.22	5	Array as a member of structure	10.6.22	1	B
6.6.22	3	Array of structures	10.6.22	1	B
6.6.22	3	Passing structure object in function	13.6.22	3	B
6.6.22	3	Passing array of structures in fun.	13.6.22	3	B
8.6.22	4	Example program using structures and pointers, self-referential structures	15.6.22	4	B
10.6.22	1	Dynamic memory Allocation-keywords	4.6.22	3	B
10.6.22	5	Syntax and example program			
10.6.22	5	Singly linked list - creation, concept, typedef with program			
11.6.22	3	Union - storage classes, visibility	4.6.22	4	B
11.6.22	4	UNIT-V FILE PROCESSING			
11.6.22	4	Files-Definition, formats, keyword	20.6.22	3	B
13.6.22	3	Types of file processing, syntax for opening, closing, reading and writing	22.6.22	4	B

RECORD OF CLASS WORK

Subject Name : Programming in C Subject Code : CS325J

Class : I Year II Semester IT Branch Section

Proposed		Topics Covered	Execution		Initials
Date	Period		Date	Period	
15.6.22	4	Sequential file Access-Example pgm	24.6.22	1	5
17.6.22	1	Finding average of numbers stored in sequential access file with example program	23.6.22	1	5
17.6.22	5	Random file access with example program	24.6.22	1	5
18.6.22	3	Transaction Processing using random access file with program	27.6.22	3	5
20.6.22	3	Command Line Arguments with example program	29.6.22	4	5
22.6.22	4	Program to write a new file with example program	1.7.22	1	5
24.6.22	1	Program to read the contents from a file and display it in console with example program	4.7.22	1	5
24.6.22	5	Introduction to C++ and Linux	4.7.22	2	5
25.6.22	3	Introduction to Graphs in C	4.7.22	2	5

M. G.
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NAMAKKAL DI, TAMIL NADU.

24/7/22

RECORD OF CLASS WORK

Subject Name : PROGRAMMING IN C LAB Subject Code : CS3271

Class : I Year II Semester IT Branch --- Section ---

Proposed		Topics Covered	Execution		Initials
Date	Period		Date	Period	
	2,3 4,8	1.a) Program to find the distance between			
7.4.22		1.b) Program to calculate the bill amount of an item its quantity, Srd. value, discount and tax	21.4.22	2,3,4,8	t
		2.a) Program to calculate electricity bill based on the consumption information			
		2.b) Program to design a menu based calculator to perform various arithmetic operations using switch case			
		2.c) Program to calculate square root of a number until entered 999 using break, continue statements			
21.4.22	2,3 4,8	2.d) Program to print multiplication table using goto statement	28.4.22	2,3,4,8	t
28.4.22	2,3 4,8	3.a) Program to check the given number is an Armstrong number or not.			
		3.b) Program to read the numbers until -1 is entered. Also			

RECORD OF CLASS WORK

Subject Name : PROGRAMMING IN C LAB Subject Code : CS 3271

Class : I Year II Semester I Branch --- Section ---


Proposed		Topics Covered	Execution		Initials
Date	Period		Date	Period	
		calculate the sum and mean of all positive numbers entered and mean of all negative numbers entered separately.			
		3.c) Program to sum the series $1/2 + 2/3 + 3/4 \dots n/n+1$	5.5.22	2.3 4.8	+
5.5.22	2.3 4.8	4.a) Program to print the position of the smallest of n numbers using arrays.			
		4.b) Program to compute matrix multiplication using two-dimensional array			
		4.c) Program to read and display a $2 \times 2 \times 2$ array elements	25.22	2.3 4.8	+
12.5.22	2.3 3.48	5. Program to demonstrate the string operations using pre defined string functions.			
		6.a) Program to sort an array using selection sort using functions			
		b.b) Program to swap the value of two variables using call-by value, call by reference.	19.5.22	2.3 4.8	+

RECORD OF CLASS WORK

Subject Name : PROGRAMMING IN C++ Subject Code : CS3271

Class : I Year II Semester IT Branch IT Section 1

Proposed		Topics Covered	Execution		Initials
Date	Period		Date	Period	
26.5.22	2, 3, 4, 8	7) Program to implement binary search using recursion 8.a) Program to find the mean of n numbers in array using pointer. 8.b) Program to display the name of the day corresponding to the day using pointer 8.c) Program to read and print a text, also count the number of characters, words and lines in the text.			
21.5.22	2, 3, 4, 8	9.a) Program to read and display information of a student using nested structure 9.b) Program to generate salary slip of employees using array of structures. 9.c) Program to read and display the data of a student using array of pointers			
		9.d) Program to demonstrate the UNION	26.2.22	2, 3, 4, 8	
16.6.22	2, 3, 4, 8	10.a) Program to implement random access methods in files 10.b) Program to implement sequential access methods in files			
16.6.22	2, 3, 4, 8	Mini Project - Railway reservation system	16.6.22	2, 3, 4, 8	
			23.6.22	2, 3, 4, 8	
		Content Beyond the Syllabus	30.6.22	2, 3, 4, 8	
23.6.22	2, 3, 4, 8	Implementation of Quick Sort.	27.22	5, 6, 7, 8	
30.6.22		Lab Practice	27.22	3, 4, 5, 6, 7, 8	
2.7.22		Model Lab	37.22	3, 4, 5, 6, 7, 8	


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12/11/22
 12/11/22

SEMESTER CLOSING SHEET

Class : I Year I Semester II Branch Section

Sub. Code : CS3251 Sub. Name : Programming in C

	Planned	Executed
No. of periods	45	45
Units covered	5	5
Assignments / Tutorials	2	2

Class : I Year I Semester II Branch Section

Sub. Code : CS3271 Sub. Name : Programming in C Lab

	Planned	Executed
No. of periods		
Units covered		
Assignments / Tutorials		

[Signature]
Faculty in Charge

[Signature]
PRINCIPAL

[Signature]
HOD

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[Signature]
12/10/21

Subject Name : SUPPLY CHAIN MANAGEMENT Subject Code : QME752

Class : IV Year VII Semester IT Branch IT Section IT

Portions Covered

Duration Details	End of 1 st Month*	End of 2 nd Month*	End of 3 rd Month*	End of Semester
% of Portions covered in terms of Units	01	2.5	3.5	5
Signature of Faculty	D. Balakrishnan 07/09/21	D. Balakrishnan 17/10/21	D. Balakrishnan 27/11/21	D. Balakrishnan 30/12/21
Signature of HOD	[Signature] 06/09/21	[Signature] 01/10/21	[Signature] 21/11/21	[Signature] 30/11/21
Signature of Auditor	T. A. [Signature] 21/09/21	T. A. [Signature] 21/10/21	T. A. [Signature] 12/11/21	T. A. [Signature] 13/12/21

Subject Name : Subject Code :

Class : Year Semester Branch Section

Portions Covered

Duration Details	End of 1 st Month*	End of 2 nd Month*	End of 3 rd Month*	End of Semester
% of Portions covered In terms of Units				
Signature of Faculty.				
Signature of HOD				
Signature of Auditor				

*End of the month means the last working day in the month

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RECORD OF CLASS WORK

Subject Name : SUPPLY CHAIN MANAGEMENT Subject Code : OME 752

Class : IV Year VII Semester IT Branch - Section -

Proposed		Topics Covered	Execution		Initials
Date	Period		Date	Period	
UNIT - I					
13.08.21	2	Objective & Importance of SC decisions	13.08.21	2	BSB
14.08.21	1	Role of Logistics & SCM	14.08.21	1	BSB
17.08.21	4	SCOPE, Importance & Evaluation of SC	17.08.21	4	BSB
18.08.21	1	Decision Phases in Supply Chain	18.08.21	1	BSB
21.08.21	1	Competitive strategies	21.08.21	1	BSB
24.08.21	4	Supply chain strategies	24.08.21	4	BSB
25.08.21	1	Drivers of Supply Chain Performance	25.08.21	1	BSB
27.08.21	2	Obstacles	27.08.21	2	BSB
28.08.21	1	EXAMPLES of SC	28.08.21	1	BSB
UNIT - II					
31.08.21	4	Designing the SCN & Role of Distribution	31.08.21	4	BSB
01.09.21	1	Factors influencing Distribution network design	1.09.21	1	BSB
3.9.21	2	Design Options for a distribution NW	3.09.21	2	BSB
4.9.21	1	Manufacturer storage & distributor storage	4.9.21	1	BSB
7.9.21	4	Distributor storage with customer pickup	6.9.21	3	BSB
8.9.21	1	selecting a distribution network design	7.9.21	4	BSB
11.9.21	1	Distribution NW & NW design in SC	8.9.21	1	BSB
21.9.21	4	Role of NW design in SC	14.9.21	4	BSB
22.9.21	1	Phase I, II, III & IV	15.9.21	1	BSB


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RECORD OF CLASS WORK

Subject Name : SUPPLY CHAIN MANAGEMENT Subject Code : OME752

Class : IV Year VII Semester IT Branch Section

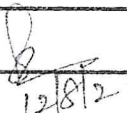

Proposed		Topics Covered	Execution		Initials
Date	Period		Date	Period	
UNIT - III					
24.9.21	2	Role of transportation in supply chain	17.9.21	2	BSB
25.9.21	1	Modes of Transportation	18.9.21	1	BSB
28.9.21	4	Factors affecting & Design options	21.9.21	4	BSB
29.9.21	1	Direct shipping & DC	22.9.21	1	BSB
01.10.21	2	All shipments via Intermediate DC	24.9.21	2	BSB
5.10.21	4	Tailored flow	25.9.21	1	BSB
6.10.21	1	Tailored transportation	05.10.21	4	BSB
8.10.21	2	Size of customer, Product demand & value	6.10.21	1	BSB
9.10.21	1	Routing scheduling in transportation	8.10.21	2	BSB
UNIT - IV					
12.10.21	4	Sourcing decisions & Role of sourcing in SC	9.10.21	1	BSB
13.10.21	1	Supplier selection	12.10.21	4	BSB
16.10.21	1	Assessments Contracts	13.10.21	1	BSB
20.10.21	1	Design collaboration, sourcing planning & analysis	16.10.21	1	BSB
22.10.21	2	Coordination in SC, Bullwhip effect	20.10.21	1	BSB
23.10.21	1	Effected lack of coordination, obstacles	22.10.21	2	BSB
2.11.21	4	Incentive obstacles	23.10.21	1	BSB
3.11.21	1	Operational obstacles	02.11.21	4	BSB
5.11.21	2	Building strategic Partnerships	03.11.21	1	BSB


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RECORD OF CLASS WORK

Subject Name : SUPPLY CHAIN MANAGEMENT Subject Code : OME752

Class : IV Year VI Semester IT Branch IT Section 5

Proposed		Topics Covered	Execution		Initials
Date	Period		Date	Period	
UNIT - V					
6.11.21	1	Role of IT in a supply chain	9.11.21	4	BT
9.11.21	A	Supply Chain IT framework	12.11.21	2	BT
10.11.21	1	supply chain Macro processes	13.11.21	1	BT
12.11.21	7	CRM	16.11.21	4	BT
13.11.21	1	ISCM	17.11.21	1	BT
16.11.21	A	SRM	20.11.21	1	BT
17.11.21	1	Future of IT in SC	23.11.21	4	BT
19.11.21	2	Risk management in IS	24.11.21	1	BT
20.11.21	1	E-Business in SC	26.11.21	2	BT
Content Beyond Syllabus					
16.11.21	4	virtual warehouse	20.11.21	1	BT
20.11.21	1	Logistics Information System	26.11.21	2	BT
 12/8/21					
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30/11/21

SEMESTER CLOSING SHEET

Class : ..V.. Year ..VI.. Semester^{IT}..... Branch Section

Sub. Code : QME752..... Sub. Name : ..SUPPLY.. CHAIN.. MANAGEMENT.....


	Planned	Executed
No. of periods	45	45
Units covered	05	05
Assignments / Tutorials	03	03

Class : Year Semester Branch Section

Sub. Code : Sub. Name :

	Planned	Executed
No. of periods		
Units covered		
Assignments / Tutorials		

D. Balakrishnan
30/11/21
 Faculty in-Charge


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BEST PRACTICES

IN

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TIRUCHENGODE - 637 215,
NAMAKKAL Dt, TAMIL NADU

Name:	K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY
Institute State:	Tamil Nadu
Institute Address:	K S R INSTITUTE FOR ENGINEERING AND TECHNOLOGY, KSR KALVI NAGAR, TIRUCHENGODE - 637215, NAMAKKAL.

Best Practices By Institute:

Reformed Teaching Learning Process

In education, teachers facilitate student learning which helps students gain skills knowledge and thinking ability. Different ways to teach are often referred to as pedagogy. Teaching using pedagogy involves assessing the educational levels of the students on particular skills. Understanding the pedagogy of the students in the class room involves using differentialised instruction as well as supervision to meet the needs of all students in the classroom.

(a) Student Centric Learning

As we found a few difficulties in the traditional method of chalk and talk teaching, we have set up the classroom as student centric namely Reformed Teaching Learning (RTL) process. In this RTL method, the interaction by students has improved considerably.

(b) Activity Based Learning

As this new process is connected with activity based learning such as role play, students get more space to interact with teachers and classmates. Further, PPTs, Videos, OHPs and short seminars are being used in the RTL method that results in easy understanding of the concepts by students.

(c) Project Based Learning

The RTL method provides a detailed learning to students and also reduces them to initiate a project on the basis of what they have learnt in the classroom.

(d) Technical Quiz

To get in-depth knowledge in subjects, technical quiz is conducted in each subject which helps students to have specified learning.

(e) Mentoring

The teachers meet students periodically, collect the pros and cons of this method and counsel them to remove the difficulties in their academic performance; this method is called 'Mentoring system'; students' personal issues are also discussed and a proper guidance and support is provided to ensure the comfort of students in the campus.

The primary focus of the RTL method is to give students a wide-ranging knowledge, exceptional creativity and more comfort and to bring out their hidden potentials into the limelight.

Centre of Excellence

Centre of Excellence is a function that facilitates the collection of standards and practice in an institution to develop the skills of team members and to promote the institution to the next level. It refers to a team, a shared facility or an entity that provides leadership, practices, research, support and training for a particular area. It is often associated with new software tools, technologies and people's network. It also focus on a particular area of research, such center may bring together the faculty members from different disciplines and provide share facilities.

To meet the requirements of industries, value added courses are organized for students through this forum.

As learning is the continuous process, Faculty Development Programme (FDP) is organized once in a semester to update knowledge and to promote skills of the faculty members.

Sponsored workshops / FDPs are organized with the financial support from CSIR, ISTE, DRDO, AICTE, DST etc.

Research and Development (R&D) activities are conducted in which both the students and faculty members are equipped.

Skill Development Courses are organized for the students and the faculty members of other institutions.

School Outreach Programmes

It is important to know that the school Teachers should shape their students who go for higher education and should be aware of the latest trend of professional courses such as B.E., & B.Tech. Also the school students should equip their qualities in all the manner while they transform from school to college/university.

To create awareness and to bridge the gap on these aspects, we have designed a few outreach programmes for students and teachers of school.

The following are the benefits of the programmes:

- Teachers will get awareness about the latest teaching aids.
- Providing practical oriented teaching.
- Difficulties and barriers of subjects will be cleared thoroughly.
- Hands-on training to teachers by the Resource Persons from industries.
- Bringing school students to this campus and facilitating them to access the college resources.

School students come to know about the systems followed in colleges.

- Students are given valuable exposure by using the new and different resources beyond the reach of many public schools.
- Motivating them to take up engineering course.