



1.1 Curricular Planning and Implementation

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

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Viswajyothi College of Engineering and Technology, Vazhakulam

Minutes of the HOD Meeting held on Tuesday, July 30th 2019

Item No.1 –Higher semester & MBA classes

The Principal announced at the meeting that the classes for higher semester B.Tech. students will start on August 1st. There will be holy mass at 9.15 am in the main auditorium. The induction programme for the first year MBA will also be held on August 1st at 10.30 am.

Item No.2 – Criteria 3

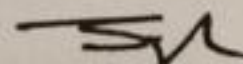
The NBA Asst. coordinator Mr. Andrews Jose informed the meeting that after the auditing of files of 2018-19, it was noticed that there should be some updating in criteria 3 to show continuous improvement. Mr. Andrews suggested that in the present assessment of internal examinations we had kept the level as 45% and it should be increased to 50%. In the University examination the level should be changed from grade P to C. Also the external-internal ratio was 80:20 and it should be changed to 70:30. After discussion the meeting agreed to make the necessary changes.

Item No.3 – All staff meeting

The Principal informed that there will be an all staff meeting today (30-7-19) at 3.30pm in the mini auditorium.

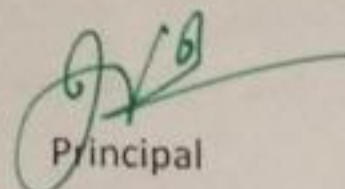
Item No.4 – Students council election

The Returning officer for students' council election, Dr. Anoop C., informed the meeting that the notification for the students' council election will be put up on August 1st and the election will be held on 14-08-2019, Wednesday.



Vice-Principal

Approved by:



Principal

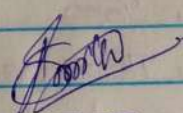
Date : 03-07-2020

NOTICE

A meeting of teaching staff members of Electronics and Communication Engineering Department will be held on 06-07-2020 at 1:30 PM. Staff members, who don't need to come on that day may join the meeting through Google meet.

Venue : IC Lab / Google Meet (ffv-tmzw-opo)

Time : 1:30 PM.


HOD - ECE

Agenda

1. Subject Allocation.

Members Attended the meeting (06-07-2020, Time: 1:30pm - 1:55pm)

1. Ms. Smitha Cyriac HOD-ECE
2. Mr. Samy P Mathew Vice Principal
3. Dr. Cyriac M Odackal Asso. Prof.
4. Dr. Tony D Asso. Prof.
5. Mr. R Anilkumar Asst. Prof.
6. Ms. Lekshmi M.S Asst. Prof.
7. Ms. Anitta Thomas Asst. Prof.
8. Ms. Ranjini Surendran Asso. Prof.
9. Ms. Niji Mathew Asst. Prof.
10. Ms. Rose Maria Jose Asst. Prof.
11. Ms. Mexlin Thomas Asst. Prof.
12. Ms. Y.K. Varitha Rugmani Asst. Prof.
13. Ms. Cuckoo Anitha Joseph Asst. Prof.
14. Ms. Sani John Asst. Prof.
15. Mr. Manu Jose Asst. Prof.
16. Ms. Manju Thomas T Asst. Prof.
17. Mr. Krishendu K Asst. Prof.
18. Ms. Rose Mary Kuruvithadam Asst. Prof.
19. Ms. Ferny John Asst. Prof.
20. Mr. Anish M. Jose Asst. Prof.
21. Ms. Mary Nirmala George Asst. Prof.
22. Mr. Tibby Peter D'cruz Asst. Prof.
23. Ms. Vinija Kurian Asst. Prof.
24. Ms. Anu C Kunjachan Asst. Prof.

1:55pm
Minutes of the meeting held on 06-07-2020

1. Subject Allocation.

S7 ECE

Information Theory & Coding - Mr. Naveen Jacob (A-Batch)

- Ms. Anetta Thomas (B-Batch)

Control System - Ms. Ferny John
Ms. Mary Nirmala George

Optical Communication - Ms. Ranjini Surendran (A-Batch)

Ms. Lekshmi M.S (B-Batch)

Computer Communication - Mr. Manu Jose (A-Batch)

Mr. Anish M. Jose (B-Batch)

Microwave Engineering - Mr. R Anilkumar (A & B Batches)

Elective 2: Microwave Devices & Circuits - Ms. Niji Mathews

MEMS - Mr. Jibby Peter D'Cruz

S5 ECE

Digital Signal Processing - Ms. Vinija Kurian

- Mr. Krishnendu K

Applied Electromagnetic Theory - Mr. Tony D (A-Batch)

- Dr. Cyriac M. Odackal (B-Batch)

Microcontrollers & } - Ms. Cuckoo Anitha Joseph

Microprocessors }

- Ms. Rose Maria Jose

Power Electronics - Ms. Rose Mary Kuruvithadam

Elective 1 - Digital System Design - Ms. Meelin Thomas

Biomedical Engineering - Ms. Anu C. Kunjachan

S3 ECE

Solid State Devices

- Ms. Sani John (A Batch)

- Ms. Manju Thomas T (B-Batch)

Logic Circuit Design

- Mr. Somay D Mathew (A Batch)

Ms. Meelin Thomas (B Batch)

Network Theory

- Ms. V.K. Vanitha Rugmani (A Batch)

Ms. Smitha Cyriac (B-Batch)

Basic Electronics (BLE)

S1 ME - Ms. Manju Thomas T

S1 CE - Ms. V.K. Vanitha Rugmoore

Professional Ethics

S3 EC A - Ms. Anu C Kurjathan

S3 EC B - Mr. Anish M Jose

Sustainable Engineering

S3 EC A - Ms. Niji Mathew

S3 EC B - Ms. Rosemary K.

Computer Programming

S5 ME A - Ms. Mary Nirmala George

S5 ME B - Ms. Fenny John.

Minor

Electronic Circuits - Ms. Rosemaria Jose

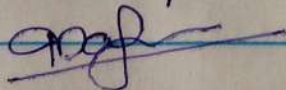
Ms. Lekshmi M.S

Introduction to Signals & Systems -

Mr. Manu Jose &

Ms. Ranjini Surendran.

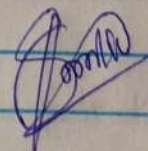
Minutes Prepared by



Manu Jose

Dept. Secretary

Minutes Approved by



Smitha Cyree

VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY, VAZHAKULAM
TIMETABLE EVEN SEMESTER-2019-2020 (S2 , S4 & S6)

	Monday							Tuesday							Wednesday							Thursday							Friday																
	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7										
S2 CE A	CP	BCE	CW	AMS/AGC	BME	EG	VDET(T)	PC	BME	EG	VDET	CHE	CP LAB	CP	BCE	VDET	CHE	EG				BME	PC	CP(T)	VDET	CHE	PC LAB	CHE	CP	VDET	AEJ	BCE	MW	FKF/VK	D 103										
S2 CE B	PC LAB	NAM/FNU	CHE	MS	VDET	EG	CLV/ABA	EG	VDET(T)	CP	CHE	BME	MS	PC	TS	ANP	CP	BME	VDET	BCE	MS	PC	BCE	SC	PC	VDET	CP	CW	SRT/RMX	MS	NG/DV	LPK	JNT	MS	EG	PHY	D 104								
S2 CS A	PHY	RIS	RMB	SJ/SO/RJ/SBR	BEE	VDET(T)	PC	BEE	VDET	BLE	WCK/RK/AT	CIS	PHY	BLE	ACK	RIS/SKR	PHY	ABA/JG	VDET	PC LAB	SBR/RIS	BEE	EG	ACK	ABA	VG	VDET(T)	C LAB	AK/ARM/SO	SHU	PC	BLE	BEE	VDET	PICT	PHY	C 323								
S2 CS B	C	PHY	VDET	EG	BEE	PC LAB	EG	VDET	C	PHY	BLE	BEE	DKP/NS	VDET	AEJ	RKA	MT	AJK	PC	BLE	WMS/SJ	EG	CP(T)	BEE	VDET	PC	PHY	RKA	VG	MT/NB	AEJ/DS	PC LAB	PHY LAB	VDET	CP	AEJ/AK/MEJ	RKA	C 324							
S2 EEE	BEE	EG			BLE	PHY	CP	PHY	BLE	PC	VDET	EG	CP LAB	AK/NEA	BEE	WMS/SJ	EG	CP(T)	BEE	VDET	PC	PHY	RKA	VG	MT/NB	AEJ/DS	PC LAB	JMG/SHV	RKA	CP	VDET	PHY	CP	VDET	PHY	AK	B 102								
S2 EC A	BLE	VDET	EM(T)	PHY	CP(T)	BLEWS	SJ/ACK	PC	BEE	EG	BLE	VDET(T)	CP LAB	VDET	EG	BEE	BTB/NEA	BEE	PHY	CP LAB	FMU	CP LAB	FMU	MNG/VIK	RMB	BTB	CP LAB	FMU	VDG	CP	ARN	VDG	BLE	RMB	FMU	SJ	BTB	BEE	C 222						
S2 EC B	EM(T)	VDET(T)	BEE	CNK/NEA	PC	CP	BLE	BEE	PHY	CP LAB	MNG/MS	EM	VDET	PC	EM	BLE	VDET	CP(T)	PC LAB	BEE	CNK	VDNT	PHY LAB	RKA	EM	PHY	CP	MNG	VDNT	PHY LAB	RKA	EM	PHY	CP	MNG	VDNT	PHY LAB	RKA	EM	B 203					
S2 ME A	JLM	VDET	EM	VD	AEJ	SHV	C	ANUS	SHV	JLM/DIB	C	ANUS	SHV	JLM/DIB	C	ANUS	SHV	JLM/DIB	C	ANUS	SHV	JLM/DIB	C	ANUS	SHV	JLM/DIB	C	ANUS	SHV	JLM/DIB	C	ANUS	SHV	JLM/DIB	C	ANUS	SHV	JLM/DIB	C	ANUS	B 104				
S2 ME B	CHE	BME	PC	CT	APJ	VDET(T)	MW	KIS	EG	CHE	MS	EG	CHE	MS	EG	CHE	MS	EG	CHE	MS	EG	CHE	MS	EG	CHE	MS	EG	CHE	MS	EG	CHE	MS	EG	CHE	MS	EG	CHE	MS	EG	CHE	MS	B 307			
S4 CE A	CT(K)	SAI	FM II	PDJ	ANS	MT LAB I	CT(K)	SAI	FM II	PDJ	ANS	MT LAB I	CT(K)	SAI	FM II	PDJ	ANS	MT LAB I	CT(K)	SAI	FM II	PDJ	ANS	MT LAB I	CT(K)	SAI	FM II	PDJ	ANS	MT LAB I	CT(K)	SAI	FM II	PDJ	ANS	MT LAB I	CT(K)	SAI	FM II	PDJ	ANS	D 208			
S4 CE B	LS LAB	CT(K)	LS	SAI	PDJ	ANS	MT LAB I	CT(K)	SAI	FM II	PDJ	ANS	MT LAB I	CT(K)	SAI	FM II	PDJ	ANS	MT LAB I	CT(K)	SAI	FM II	PDJ	ANS	MT LAB I	CT(K)	SAI	FM II	PDJ	ANS	MT LAB I	CT(K)	SAI	FM II	PDJ	ANS	MT LAB I	CT(K)	SAI	FM II	PDJ	ANS	D 209		
S4 CS A	OS	COA	SM	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	AK	D 207			
S4 CS B	POT&N	DS	FOSS LAB	JOE/DNJ	OODP	PODD	OS	COA	PODD	POT&N	LS	OS(T)	LS LAB	OODP	COA	OS	COA	PODD	POT&N	LS	OS(T)	LS LAB	OODP	COA	OS	COA	PODD	POT&N	LS	OS(T)	LS LAB	OODP	COA	OS	COA	PODD	POT&N	LS	OS(T)	LS LAB	OODP	COA	D 305		
S4 EEE	SIM	DEL	POT&N	MS	DEL	MS	SIM	MS	CM Lab	POT&N	DEL	MS	DEL	MS	CM Lab	POT&N	DEL	MS	DEL	MS	CM Lab	POT&N	DEL	MS	DEL	MS	CM Lab	POT&N	DEL	MS	DEL	MS	CM Lab	POT&N	DEL	MS	DEL	MS	CM Lab	POT&N	DEL	MS	B 114		
S4 EC A	ACE(T)	LD Lab	PDR&N	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	B 307		
S4 EC B	ECO	AIC Lab	PDR&N	S&S	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	ACE	B 305		
S4 IT	AAD	OOT	COA	PODD	AD LAB	OOT	AAD	OOT	COA	PODD	AD LAB	OOT	AAD	OOT	COA	PODD	AD LAB	OOT	AAD	OOT	COA	PODD	AD LAB	OOT	AAD	OOT	COA	PODD	AD LAB	OOT	AAD	OOT	COA	PODD	AD LAB	OOT	AAD	OOT	COA	PODD	AD LAB	OOT	A105		
S4 ME A	MT	KS	FM LAB	ECO	MT	FM	AMS	MT	KS	FM LAB	ECO	MT	FM	AMS	MT	KS	FM LAB	ECO	MT	FM	AMS	MT	KS	FM LAB	ECO	MT	FM	AMS	MT	KS	FM LAB	ECO	MT	FM	AMS	MT	KS	FM LAB	ECO	MT	FM	AMS	MT	C 308	
S4 ME B	TE	KS	FM LAB	ECO	MT	FM	AMS	MT	KS	FM LAB	ECO	MT	FM	AMS	MT	KS	FM LAB	ECO	MT	FM	AMS	MT	KS	FM LAB	ECO	MT	FM	AMS	MT	KS	FM LAB	ECO	MT	FM	AMS	MT	KS	FM LAB	ECO	MT	FM	AMS	MT	C 305	
S6 CE A	CP	POM	DCS II	TS	DHS	CP	TEI	CP	POM	DCS II	TS	DHS	CP	TEI	CP	POM	DCS II	TS	DHS	CP	TEI	CP	POM	DCS II	TS	DHS	CP	TEI	CP	POM	DCS II	TS	DHS	CP	TEI	CP	POM	DCS II	TS	DHS	CP	TEI	D 308		
S6 CE B	DCS II	POM	DCS II	TS	DHS	CP	TEI	CP	POM	DCS II	TS	DHS	CP	TEI	CP	POM	DCS II	TS	DHS	CP	TEI	CP	POM	DCS II	TS	DHS	CP	TEI	CP	POM	DCS II	TS	DHS	CP	TEI	CP	POM	DCS II	TS	DHS	CP	TEI	D 310		
S6 CS A	CN	RPL	ND	SEPM	AA	MPA	CN	RPL	ND	SEPM	AA	MPA	CN	RPL	ND	SEPM	AA	MPA	CN	RPL	ND	SEPM	AA	MPA	CN	RPL	ND	SEPM	AA	MPA	CN	RPL	ND	SEPM	AA	MPA	CN	RPL	ND	SEPM	AA	MPA	CN	D 401-A	
S6 CS B	SEPM	CD	DAA	WT	MP LAB	SKR/BC	PM	CMM	DNJ	PM	CMM	DNJ	PM	CMM	DNJ	PM	CMM	DNJ	PM	CMM	DNJ	PM	CMM	DNJ	PM	CMM	DNJ	PM	CMM	DNJ	PM	CMM	DNJ	PM	CMM	DNJ	PM	CMM	DNJ	PM	CMM	DNJ	PM	CMM	D 401-B
S6 EEE A	POM(T)	SGR	NEA	IE	BE	SMJ	PSA	ACT(T)	CE	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	C 105		
S6 EEE B	EMT	PSA	T	BE	SMJ	ACT	CE	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	EMT	PSA	ACT	B 304	
S6 EC A	DCT	KRK	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	C 212		
S6 EC B	AWP	OOP	DCT	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	DIP	ROS	CAJ	RS	C 213	
S6 IT	PM	IT	SPM	SDP	CD	ITL	CE	CD(T)	SPM	SDP	CD	ITL	CE	CD(T)	SPM	SDP	CD	ITL	CE	CD(T)	SPM	SDP	CD	ITL	CE	CD(T)	SPM	SDP	CD	ITL	CE	CD(T)	SPM	SDP	CD	ITL	CE	CD(T)	SPM	SDP	CD	ITL	B 113		
S6 ME A	AMJ	FKF	VP	MT	CAD	HMT	AMJ	FKF	VP	MT	CAD	HMT	AMJ	FKF	VP	MT	CAD	HMT	AMJ	FKF	VP	MT	CAD	HMT	AMJ	FKF	VP	MT	CAD	HMT	AMJ	FKF	VP	MT	CAD	HMT	AMJ	FKF	VP	MT	CAD	HMT	AMJ	FKF	D 224
S6 ME B	AMJ	FKF	VP	MT	CAD	HMT	AMJ	FKF	VP	MT	CAD	HMT	AMJ	FKF	VP	MT	CAD	HMT	AMJ	FKF	VP	MT	CAD	HMT	AMJ	FKF	VP	MT	CAD	HMT	AMJ	FKF	VP	MT	CAD	HMT	AMJ	FKF	VP	MT	CAD	HMT	AMJ	FKF	C 304

TIMETABLE COORDINATOR

PRINCIPAL

VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY, VAZHAKULAM

TIMETABLE EVEN SEMESTER 2019-2020 (S8 & PG)

	Monday							Tuesday							Wednesday							Thursday							Friday							
	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	
S8 CE A	IP&OB C-215 SOK TOM APR SRT	MSW	EE II	CEPM (T)	PW	PW	PW	IP&OB C-215 SOK TOM APR SRT	PW	PW	PW	MSW (T)	EE II	MSW	IP&OB C-215 SOK TOM APR SRT	EE II	CEPM	EE II (T)	PW	PW	PW	CEPM	PW	PW	PW	PW	PW	PW	MSW	CEPM	EE II	Project			D 408	
S8 CE B	IP&OB C-215 SOK TOM APR SRT	PW	PW	PW	MSW	CEPM	MSW (T)	IP&OB C-215 SOK TOM APR SRT	EE II	CEPM	EE II	PW	PW	PW	IP&OB C-215 SOK TOM APR SRT	PW	PW	PW	PW	PW	PW	CEPM	MSW	EE II (T)	MSW	Project			EE II	CEPM (T)	EE II				D 413	
S8 CS A	IP&OB C-215 SOK TOM APR SRT	DMaW	ES	PolS	PW	PW	PW	IP&OB C-215 SOK TOM APR SRT	PW	PW	PW	ES	DMaW	PolS	IP&OB C-215 SOK TOM APR SRT	PW	PW	PW	ES	PolS	DMaW	ES	DMaW	PolS	DMaW	PW	PW	PW	PW	PW	PW	PW	PW		C 313	
S8 CS B	IP&OB C-215 SOK TOM APR SRT	PW	PW	PW	DMaW	PolS	DMaW	IP&OB C-215 SOK TOM APR SRT	ES	PolS	ES	PW	PW	PW	IP&OB C-215 SOK TOM APR SRT	DMaW	PolS	DMaW	PW	PW	PW	PolS	PW	PW	PW	ES	DMaW	ES	PW	PW	PW	PW	PW		C 314	
S8 EEE A	IP&OB C-215 SOK TOM APR SRT	PW	PW	PW	DMaW	PolS	DMaW	IP&OB C-215 SOK TOM APR SRT	ES	PolS	ES	PW	PW	PW	IP&OB C-215 SOK TOM APR SRT	DMaW	PolS	DMaW	PW	PW	PW	PolS	PW	PW	PW	ES	DMaW	ES	PW	PW	PW	PW	PW		C 104	
S8 EEE B	IP&OB C-215 SOK TOM APR SRT	PW	PW	PW	DMaW	PolS	DMaW	IP&OB C-215 SOK TOM APR SRT	ES	PolS	ES	PW	PW	PW	IP&OB C-215 SOK TOM APR SRT	DMaW	PolS	DMaW	PW	PW	PW	PolS	PW	PW	PW	ES	DMaW	ES	PW	PW	PW	PW	PW		C 102	
S8 EC A	IP&OB C-215 SOK TOM APR SRT	PW	PW	PW	DMaW	PolS	DMaW	IP&OB C-215 SOK TOM APR SRT	ES	PolS	ES	PW	PW	PW	IP&OB C-215 SOK TOM APR SRT	DMaW	PolS	DMaW	PW	PW	PW	PolS	PW	PW	PW	ES	DMaW	ES	PW	PW	PW	PW	PW		C 214	
S8 EC B	IP&OB C-215 SOK TOM APR SRT	PW	PW	PW	DMaW	PolS	DMaW	IP&OB C-215 SOK TOM APR SRT	ES	PolS	ES	PW	PW	PW	IP&OB C-215 SOK TOM APR SRT	DMaW	PolS	DMaW	PW	PW	PW	PolS	PW	PW	PW	ES	DMaW	ES	PW	PW	PW	PW	PW		C 215	
S8 IT	IP&OB C-215 SOK TOM APR SRT	PW	PW	PW	DMaW	PolS	DMaW	IP&OB C-215 SOK TOM APR SRT	ES	PolS	ES	PW	PW	PW	IP&OB C-215 SOK TOM APR SRT	DMaW	PolS	DMaW	PW	PW	PW	PolS	PW	PW	PW	ES	DMaW	ES	PW	PW	PW	PW	PW		B 112	
S8 ME A	IP&OB C-215 SOK TOM APR SRT	PW	PW	PW	DMaW	PolS	DMaW	IP&OB C-215 SOK TOM APR SRT	ES	PolS	ES	PW	PW	PW	IP&OB C-215 SOK TOM APR SRT	DMaW	PolS	DMaW	PW	PW	PW	PolS	PW	PW	PW	ES	DMaW	ES	PW	PW	PW	PW	PW		D 420	
S8 ME B	IP&OB C-215 SOK TOM APR SRT	PW	PW	PW	DMaW	PolS	DMaW	IP&OB C-215 SOK TOM APR SRT	ES	PolS	ES	PW	PW	PW	IP&OB C-215 SOK TOM APR SRT	DMaW	PolS	DMaW	PW	PW	PW	PolS	PW	PW	PW	ES	DMaW	ES	PW	PW	PW	PW	PW		D 421	
S4 PG CS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	D 301	
S4 PG EC	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	THESSIS	D 303	

MENTORING

TIMETABLE COORDINATOR

PRINCIPAL

VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY, VAZHAKULAM
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
WORKLOAD- EVEN SEMESTER (2019-2020)

		SPM	SC	CMO	ANR	LMS	TD	AT	RS	NM	RMJ	MET	VR	CAJ	SJ	MJ	MT	KRK	RK	FMJ	AMJ	MIG	MNG	JPD	VIK	ACK	
Monday							ACE(T)					AWP			BLE			THESSIS	DCT						ACE(T)	DM	
	1	ACS		POM	PW	LD Lab		AIC Lab	ES(T)	LD Lab	PW		AIC Lab	ES(T)				THESSIS	OOP			POM					
	2											PW						SC(T)	DCT	THESSIS	OOP(T)	SC(T)		OOP(T)	PW		
	3																										
	4			NEL(TUT)					DIP											NEL(TUT)		PW		RTOS		OOP(T)	
	5			NE					Mc lab				BLE									CP (T)		CP (T)		CE lab	CE lab
	6					PW		ES					THESSIS								S&S		PW		CP		
Tuesday	7	ACS(T)	AIC(T)		ACS(T)		ACE						BLE														
	1			POM		THESSIS				DIP(T)																	
	2				ACS		ACE	ES(T)				BLE										THESSIS		OOP	ACE	ES(T)	
	3		AIC	NE		CO(T)		BLE WS	CP LAB	PW		AWP		THESSIS										CP LAB	PW	BLE WS	
	4	ACS	AIC	PW					S2 CS A	S2 EC B	PW		VLSI		Mc lab	Mc lab										S2 CS A	
	5						CE lab																				
	6					CO																					
Wednesday	7																										
	1		AIC					THESSIS				BLE WS															
	2																										
	3				ACS	CO	PW	RTOS(T)	DIP																		
	4			NE																							
	5	PROJECT	PROJECT			CO(T)	ACE	PW	Mc lab	PROJECT	VLSI(T)		AWP(T)	PW	PW												
	6			CE		BLE WS	CE	PW			THESSIS	PC LAB	AIC	BLE WS													
Thursday	7	S8 EC B	S8 EC B	S6 EC B		S2 CS B	S6 EC B			S6 EC A	S8 EC B		S2 EC B		S2 CS B												
	1							ES		THESSIS	VLSI				CO	SC		S&S			CP LAB	SC	CP LAB	CP LAB		CP LAB	
	2	ACS(T)	AIC		ACS(T)	PW	ACE(T)		THESSIS			PW		ES													
	3											BLE															
	4						ACE	THESSIS	DIP																		
	5		PROJECT	POM	PROJECT	PW	CE lab						S2 EC B		Mc lab	Mc lab											
	6																										
Friday	7																										
	1																										
	2	ACS		NEL(TUT)				ES				VLSI	BLE														
	3		AIC(T)						DIP																		
	4																										
	5																										
	6																										
TOTAL WORK LOAD		8	12	16	10	18	16	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	

Dr. Rajini Suresh
STAFF IN CHARGE

Dr. Sankar
HOD

VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,VAZHAKULAM

VISION: Moulding Professionals par excellence with integrity, fairness, and human values"

SEMESTER PLAN FOR S2, S4, S6 & S8 KTU B.Tech CLASSES (Jan-May 2020)

No. of working days	
Month	Days
January	16
February	21
March	24
April	19
May	0
Total	80

Instructions Days Lost	
Sports Day - Drona	1
Tech Fest - Bodhi	2
Series Test I & II	8
Arts Fest - Drishya	2
College Day	0.5
Total	13.5

Expected days of instruction - 66.5

Working Saturdays		
Month	Date	Time Table
January	25-1-2020	Sports Day Drona
February	15-2-2020	Tech Fest Bodhi
	22-2-2020	Series Test I
March	7-3-2020	Friday
	21-3-2020	Arts Fest Drishya
April	4-4-2020	Series Test II
	25-4-2020	Friday

IMPORTANT DATES	
13th January	Commencement of class and registration
20th January	Course selection, registration & mapping begins
25th January	Sports Day - Drona
29th January	Course selection, registration & mapping ends
14th & 15th February	Tech Fest - Bodhi
18th February	Exam Registration & FE Registration Begins, Completion of first assignment
20,22,24 & 25th February	Series Test I
2nd March	Exam Registration & FE Registration ends
9th March	Publish Series Test I marks
20th & 21st March	Arts Fest - Drishya
3-4th & 6-7th April	Series Test II
4th April	B.Tech S7 exam begins
15th April	Publish Series Test II marks & completion of second assignment
21st April	College Day
22nd April	Publish IA marks for UG & PG
23rd April	Last date for internal project evaluation (S8 B.Tech)
24th April	Project evaluation by department committee (PG)
28th April	Class ends
29th April	Commencement of summer course (S1-S4 2015 scheme)
4th May	Start date for forwarding IA marks and attendance to uty
6th May	Last date for uploading jury/practical marks
8th May	Last date for forwarding IA marks and attendance to Uty.

January								February					March					April							May					
13	14-17	20	21-24	25	27-28	29	30-31	3-7, 10-13	14-15	17-19	20, 22, 24, 25	26-28	2-7	9	10-13, 16-19	20-21	23-27, 30-31	1-3	4, 6-8	13, 15-17	20-21	22	23	24-25	27-28	29	4	6	8	
Commencement of class and registration	Regular classes	Course selection registration & mapping begins Regular class	Regular classes	Sports Day - Drona	Regular classes	Course selection registration & mapping ends Regular class	Regular classes	Regular classes	Tech Fest - Bodhi	Feb 18th Exam Registration & FE Reg. Begins and completion of first assignment Regular classes	Series Test -I	Regular classes	March 2nd Exam Registration & FE Reg. ends Regular classes	Publish Series Test-I Marks Regular class	Regular classes	Arts Fest - Drishya	Regular classes	Regular classes	Series Test II April 4th B.tech S7 exam begins	April 15th publish Series Test II Marks & completion of second assignment April 17th Last date for evaluation of practicals(PG)	April 21st College Day Regular classes	April 22nd Publish IA marks for UG & PG Regular classes	Last date for int. project evaluation(S8 B.tech) Regular class	April 24th projectevaluation by department committee (PG) Regular classes	April 28th class ends Regular classes	Commencement of summer course(S1-S4 2015 scheme)	Start date for forwarding IA marks and attendance to uty	Last date for uploading jury/practical marks	Last date for forwarding IA marks and attendance to uty.	
1	4	1	4	1	2	1	2	9	2	3	4	3	6	1	8	2	7	3	4	4	2	1	1	2	2					
1	5	6	10	11	13	14	16	25	27	30	34	37	43	44	52	54	61	64	68	72	74	75	76	78	80					

PRINCIPAL



APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar - Jan 2020 to Aug 2020

(B.Tech, B.Arch, BHMCT, B.DeS, M.Tech, M.Arch, M.Planning, MCA and Evening B.Tech & M.Tech)

Please see separate Academic Calendar for MBA

(Bold Numbers in Class indicates Instructional days)

Jan-20				Feb-20				Mar-20				Apr-20			
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class
Wed	1			Sat	1	Uty Athletic Meet		Sun	1			Wed	1		57
Thu	2	Mannam Jayanthi		Sun	2			Mon	2	Exam Registration & FE Registration ends	35	Thu	2		58
Fri	3			Mon	3		16	Tue	3		36	Fri	3		59
Sat	4			Tue	4		17	Wed	4	Test 1 to be completed	37	Sat	4	B.Tech S7 Exam Begins	
Sun	5			Wed	5		18	Thu	5		38	Sun	5		
Mon	6			Thu	6		19	Fri	6		39	Mon	6		60
Tue	7			Fri	7		20	Sat	7			Tue	7		61
Wed	8			Sat	8			Sun	8			Wed	8		62
Thu	9			Sun	9			Mon	9		40	Thu	9	Maundy Thursday	
Fri	10			Mon	10		21	Tue	10		41	Fri	10	Good Friday	
Sat	11			Tue	11		22	Wed	11		42	Sat	11		
Sun	12			Wed	12		23	Thu	12		43	Sun	12	Easter	
Mon	13	Commencement of class and registration	1	Thu	13		24	Fri	13	Last date for forwarding list of ext. Exms to Uty by cluster conv.(PG)	44	Mon	13		63
Tue	14		2	Fri	14		25	Sat	14			Tue	14	Vishu Dr Ambedkar Jayanthi	
Wed	15		3	Sat	15			Sun	15			Wed	15		64
Thu	16		4	Sun	16			Mon	16		45	Thu	16	Test 2 to be completed	65
Fri	17		5	Mon	17		26	Tue	17		46	Fri	17	Last date for evaluation of practicals(PG)	66
Sat	18			Tue	18	Exam Registration & FE Reg begins	27	Wed	18		47	Sat	18		
Sun	19			Wed	19		28	Thu	19		48	Sun	19		
Mon	20	Course selection, reg and mapping begins	6	Thu	20		29	Fri	20		49	Mon	20		67
Tue	21		7	Fri	21	Mahasivarathri		Sat	21	Arts Fest (College level) to be completed		Tue	21		68
Wed	22		8	Sat	22			Sun	22			Wed	22	Publish IA marks for UG & PG	69
Thu	23		9	Sun	23			Mon	23		50	Thu	23	Last date for int.project evaluation (S8 B.Tech)	70
Fri	24		10	Mon	24		30	Tue	24		51	Fri	24	Project Evaluation by department committee(PG)	71
Sat	25			Tue	25		31	Wed	25		52	Sat	25		
Sun	26	Repubic Day		Wed	26		32	Thu	26		53	Sun	26		

Mon	27		11	Thu	27		33	Fri	27	Tech Fest	54	Mon	27	Last date for evaluation of Jury(B.Arch)	72
Tue	28		12	Fri	28		34	Sat	28	Tech Fest		Tue	28	Class Ends Publish attendance for all programs	73
Wed	29	Course selection, registration and mapping ends	13	Sat	29			Sun	29	Tech Fest		Wed	29	, Commencement of summer course(S1-S4, 2015 scheme)	
Thu	30	Uty Athletic Meet	14					Mon	30		55	Thu	30		
Fri	31	Uty Athletic Meet	15					Tue	31		56				

ACADEMIC CALENDAR JAN 2020 - AUG 2020

May-20				Jun-20				Jul-20				Aug-20			
Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class	Days	Date	Description	Class
Fri	1	May Day		Mon	1			Wed	1			Sat	1		
Sat	2			Tue	2	Project evaluation & Viva Voce ends (S8 B.Tech)		Thu	2			Sun	2		
Sun	3			Wed	3			Fri	3			Mon	3		
Mon	4	Start date for forwarding IA marks and attendance to Uty		Thu	4	Viva Voce begins PG		Sat	4			Tue	4		
Tue	5			Fri	5	Last date for uploading Viva voce marks(UG)		Sun	5			Wed	5		
Wed	6	Last date for uploading jury/practical marks		Sat	6			Mon	6			Thu	6		
Thu	7			Sun	7			Tue	7			Fri	7		
Fri	8	Last date for forwarding IA marks and attendance to Uty		Mon	8			Wed	8			Sat	8		
Sat	9			Tue	9			Thu	9			Sun	9		
Sun	10			Wed	10			Fri	10			Mon	10		
Mon	11	B.Tech S6 (R&S) / BHMCT S2 (R&S) / MCA Regular S4 / MCA 2nd Year Direct S2 / MCA Integrated S8 Exams Begins		Thu	11			Sat	11			Tue	11		
Tue	12	B.Tech S8 / B.Tech S1S2(2019 Scheme)/ BHMCT S4 / S2 PG Exams Begins		Fri	12			Sun	12			Wed	12		
Wed	13	B.Arch S2 / MCA Regular & MCA Integrated S2 Exam Begins		Sat	13			Mon	13			Thu	13		
Thu	14	B.Arch S4 / B.Des S2 Exam Begins Summer course eligibility uploading S1-S4 B.Tech 2015 scheme		Sun	14			Tue	14			Fri	14		
Fri	15			Mon	15	Viva Voce Ends (PG)		Wed	15			Sat	15		
Sat	16			Tue	16			Thu	16			Sun	16		
Sun	17			Wed	17	Last date for uploading Viva voce marks(PG)		Fri	17			Mon	17		
Mon	18			Thu	18			Sat	18			Tue	18		
Tue	19	B.Tech S4 Exam Begins		Fri	19			Sun	19			Wed	19		
Wed	20	B.Tech S1S2 (2015 Scheme) Exam Begins		Sat	20			Mon	20	Commencement of Classes		Thu	20		
Thu	21			Sun	21			Tue	21			Fri	21		
Fri	22			Mon	22			Wed	22			Sat	22		
Sat	23	B.Tech S8 Honors		Tue	23			Thu	23			Sun	23		
Sun	24	Id-UI-Fitr		Wed	24			Fri	24			Mon	24		

Mon	25	Project evaluation & Viva Voce Begins (S8 B.Tech)	79	Thu	25			Sat	25			Tue	25		
Tue	26	MCA Integrated S4 Exam Begins		Fri	26			Sun	26			Wed	26		
Wed	27	B.Arch S6 Exam Begins		Sat	27			Mon	27			Thu	27		
Thu	28	B.Arch S8 Exam Begins Submission of project report to Uty(PG)		Sun	28			Tue	28			Fri	28		
Fri	29			Mon	29			Wed	29						
Sat	30	B.Tech S6 Honors		Tue	30			Thu	30						
Sun	31							Fri	31						



APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

Academic Calendar: Jan 2020 to Aug 2020

(B.Tech, B.Arch, BHMCT, B.DeS, M.Tech, M.Arch, M.Planning, MCA and Evening B.Tech & M.Tech)

Please see separate Academic Calendar for MBA

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Sl. No.	Events	Important Dates
EVEN SEMESTER (2019-2020)		
1	Commencement of even semester classes	Jan 13, 2020
2	Class Committee/course committee meeting	Jan 27- 30, 2020
3	Course selection, registration and mapping	Jan 20-29, 2020
4	University Athletic Meet	Jan 30 - Feb 1, 2020
5	Exam Registration & FE Registration	Feb 18- March 2, 2020
6	Test 1 to be completed for all programmes	Mar 4, 2020
7	Last date for forwarding list of ext. Exmrs to Uty by cluster conv.(PG)	Mar 13, 2020
8	Arts Fest (College level) to be completed	Mar 21, 2020
9	KTU Tech Fest 2020	Mar 27-29, 2020
10	B.Tech S7 Supplementary Examination	April 4, 2020
11	Test 2 to be completed for all programmes	April 16, 2020
12	Last Date of Evaluation of Practicals (PG)	April 17,2020
13	Class Committee/course committee meeting	April 22-27,2020
14	Publish IA marks for UG & PG	April 22, 2020
15	Last date for int.project evaluation (S8 B.Tech)	April 23, 2020
16	Project Evaluation by department committee(PG)	April 24, 2020
17	Last date for evaluation of Jury(B.Arch)	April 27, 2020
18	Classes (Even Semester) Ends & Publication of attendance	April 28, 2020
19	Commencement of summer course(S1-S4, 2015 scheme)	April 29, 2020
20	Submission of IA marks and attendance to Uty for all programmes	May 4-8, 2020
21	Last date for uploading jury/practical marks	May 6, 2020
22	End Semester Examination UG & Pg(Detailed TimeTable Attached)	May 11, 2020 Onwards
23	Upload Summer course eligibility S1-S4 B.Tech 2015 scheme	May 14, 2020
24	Project Evaluation & Viva Voce UG	May 28 - Jun 2, 2020
25	Last date for Submission of project report to Uty(PG)	May 28, 2020
26	Project Evaluation & Viva Voce PG	Jun 4 -15,2020
27	Last date for uploading Viva voce marks(UG)	June 5,2020
28	Last date for uploading Viva voce marks(PG)	June 17, 2020
29	Registration & Commencement of Classes for all programs	July 20, 2020



VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY

VAZHAKULAM P.O, MUVATTUPUZHA

DEPARTMENT OF CIVIL ENGINEERING

NOTICE

VJCET/IQAC/CED/DAC/ 19-01

DATE: 05/07/2019

There will be a meeting of Department Advisory Committee on 19.07.2019 (Friday) at 10.30 am at the chamber of Head of the Civil Engineering Department. All DAC members as listed below are requested to make it convenient to attend.

Agenda: -

- To highlight the university exam results
- Special Skill Development Modules
- Discussion on Department Budget and academic plan
- Conduct of Social Outreach programs
- Change in Institute Vision Statement
- Attainment Sheet Revision for New KTU syllabus
- Faculty Development Programs

Mrs. Shine George
HOD-CED & Convener DAC

1	Mrs. Shine George	Program Coordinator, Department of Civil Engineering
3	Dr. Anoop C K	Associate Professor, CED
4	Mrs. Tina Jose	Asst. Professor, CED
5	Mrs. Minu C Joy	Asst. Professor, CED
6	Mr. Daniel A V	Asst. Professor, CED
7	Mr. Lins Paul Kuriakose	Asst. Professor, CED
8	Ms. Ashmy Yooseph	Student Representative, (S7&8 CE)
9	Mr. Govind S	Student Representative, (S7&8 CE)
10	Mr. Baby George	MD, G & G Constructions (Employer Representative)
11	Mr. Felix Varkeykunju	MD, Felix Varkeykunju Structural Consultants (Employer Representative)
12	Mr. Tijo C Mathew	Chief Engineering Manager (Civil, Ports) Engineering Design & Research Centre- Heavy Civil Infrastructure L & T Construction, Chennai (Industry Representative)
13	Yooseph P M	(Parents Representative-S7&8 CE)
14	Jijo Thomas	Alumni Representative (2015-19 Batch)
15	Ms. Rose Maria George	Alumni Representative (2015-19 Batch)

DATE: 19/04/2019

MEMBERS PRESENT:

1. SHANEE GEORGE, MOD, CED
2. MINU C SOY, AP, CED *(Signature)*
3. Rosa Jose, AP, CED *(Signature)*
4. Lins Paul Kurakose AP, CED *(Signature)*
5. Dr. Anand C. K., TP, CED *(Signature)* 19/7/19
6. Baby Geny *(Signature)* 19/7/19
7. Ashmy Vooseph *(Signature)*
8. Rose Maria George *(Signature)*
9. Felix Varkeykurju *(Signature)*
10. Daniel. A.V. *(Signature)*

MINUTES OF THE MEETING

1. The meeting of the DAC was convened on 19-07-19 at 10:30am in the chamber of program coordinator. Meeting commenced with a silent prayer.
2. The Head of the Dept presented the action taken reports of the previous meeting; and circulated among the members.
3. The university results of the previous 8. semesters were presented by the HOD as follows:

S₁ - 56.6% (2018-22 batch)

S₂ - 52.6% (2017-21 batch)

S₃ - 68.4% (2017-21 batch)

S₄ - 48.7% (2016-20 batch)

S₅ - 69.3% (2016-20 batch)

S₆ - 59.1% (2015-19 batch)

S₇ - 71.81% (2015-19 batch)

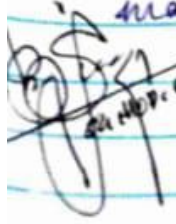
S₈ - 97.8% (2014-13 batch)

DAC appreciated the department on securing 1st position in HGU 8th exam with a 97.8% pass.

4. In view of the shift in global economy and the huge demand of skilled technical graduates in the employment sector, the inception of V-BIC (Veswagayothi Business Incubation Centre) was appreciated by the DAC.
5. DAC welcomed the suggestion for grooming session for the students. The members unanimously agreed to the decision to include skill development modules for the students, pointing out that its the need of the hour to make our graduates industry-equipped. DAC members were also happy to hear about the decision to include aptitude training from first year itself. It was also decided to plan technical sessions in collaboration with MBA Department.
6. DAC also gave approval for the PAC proposal of a one day workshop on 'Value Engineering and Lean Construction' practices.

[Signature]
10/08/19

7. DAC members positively commented on the IQAC's decision to make a change in the Institute Vision statement, pointing out that its better to replace 'Engineers' with 'Professionals' so as to include the MBA graduates also.
8. Mr Lino Paul Kuriakose has recommended the need to revise the attainment sheet as per the newly introduced curriculum of KTU.
9. DAC also expressed its support in the decision of PAC to impart training on ^{Introduction to} 'Innovative Technology' to plus two students of nearby schools. They have also requested the Department to take this effort forward by incorporating more students in the training program.
10. DAC stressed the need for quality FDP's for the faculty and it expressed its appreciation for securing the funded FDP from KTU. DAC also suggested to conduct the FDP during the forthcoming semester break so that all faculty can actively participate in the same.
11. DAC has emphasized the need for student representation from the third year and fourth year students in the Placement Training Committee, in order to prepare them before-hand.
12. DAC also appreciated the faculty and students of all years who had actively participated in the flood relief activities as well as PDNA survey in the aftermath of 2018 Kerala deluge.
13. DAC advised PAC to thoroughly go through the observations made by the NBA team and to take proper and effective action to rectify the shortcomings.


Dr. H. P. L. L.



VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY

VAZHAKULAM P.O, MUVATTUPUZHA

DEPARTMENT OF CIVIL ENGINEERING

VJ/ET/IQAC/CED/DAC/ATR - 05

DATE: 13/07/2020

ACTION TAKEN REPORT FOR ACADEMIC YEAR 2019-20

- ✓ Attainment sheet was revised as per the newly introduced curriculum of KTU, from 2019 onwards.
- ✓ As per the PAC's decision, plus two students were given training on Fab Lab as part of the introduction to innovative technology
- ✓ A KTU funded FDP on "Geo Hazards and Disaster Mitigation" was organised from Dec 12-14, 2019 as part of improving quality of FDP
- ✓ Placement Training Committee extended their training to first year, second year and third year students also, in order to prepare them beforehand. Soft- skill training and Aptitude training was made mandatory and weekly an hour was set aside exclusively for this purpose in the timetable.

Mrs. SHINE GEORGE
HOD, CED
CONVENOR PAC



VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY

VAZHAKULAM P.O, MUVATTUPUZHA

DEPARTMENT OF CIVIL ENGINEERING

NOTICE

VJCET/IQAC/CED/PAC/ 19-01

DATE: 28.06.19

There will be a meeting of Program Assessment Committee on ~~05.07.2019~~ 05.07.2019 at 10.45 am at the chamber of Head, Department of Civil Engineering. All PAC members listed below are requested to make it convenient to attend.

Agenda: -

- NBA Accreditation:
- Result Analysis, Analysis of CO-PO and CO-PSO attainments
- Course Committee Constitution
- Students Feedback and Faculty Appraisal - Analysis
- Course data Sheets - Approval
- Academic Plan for the Department
- Budget Proposal for the Department
- Internal Exam Schedule
- Mentoring Schedule

Ms. Shine George
Program Coordinator - CED & Convener PAC

Dr. Anoop C K
Ms. Tina Jose
Ms. Anu Paul
Ms. Minu C Joy
Ms. Nivya Mary Abraham
Mr. Daniel A V
Mr. Vishnu Krishnan
Ms. Nisa Ann Mathew
Mr. Abhijith R

Associate Professor
Assistant Professor
Assistant Professor
Assistant Professor
Assistant Professor
Assistant Professor
Assistant Professor
Assistant Professor
Assistant Professor

Minutes of the Meeting

The meeting of the Program Assessment Committee was convened on 05/07/2019 at 10:30 am at the chamber of the Head of the Department. The meeting started with a silent prayer. The Convener presented the minutes of the previous meeting and circulated the Action Taken Report after the same.

The following members were present.

Dr. Anoop C.K		5/7/19
Ms. Tina Jose		5/7/19
Ms. Anne Paul		
Ms. Minu C Joy		5/7
Ms. Nirya Mary		Abraham/line 5/7/19
Ms. Daniel A.V.		
Mr. Voshnu Krishnan		5/7
Ms. Nisa Ann Mathan		4/5/19
Mr. Abhijit R		5/7/19

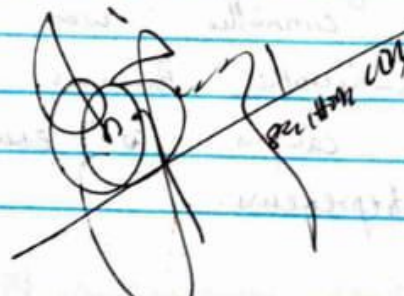
Discussions :

1. Convener presented the previous results.

The first batch of KTU has completed the 8th Semester and with a 91.82% pass which is the 4th among 139 colleges with Civil Engineering Department. Semester 7 results showed a pass percentage of 71.81%. Semester 5 students have a 69.3% pass. 3rd Semester students secured 68.4% pass. The 1st semester results gave a 56.6% pass for the students.

2. NBA Coordinator informed that there will be audit for the Department to assess the status of work that has been done so far in preparation.
3. Class committees constituted were approved by the committee, and it was decided that the same will be covered as per Principal's directions.
4. Convenor informed that students' feedback has been taken as per decision taken in the previous meeting and measures have been taken accordingly. It was also decided to continue the conduct of feedback as done previously.
5. New curriculum has been introduced by the KTU for the SI Batch. KTU Coordinator informed the committee about the same. Attainment level has been set by the university at 40%, and we will at Institution level fix our attainment level at 50%.
6. Course data sheets for the newly introduced courses were analysed and approved by the committee.
7. Project monitoring committee was constituted to oversee the work of the students [ST] in the current semester towards gearing up for their final year project.
8. Students have ample time during the semester break and it was decided to encourage as many students as possible to attend Internships during the break.
9. An orientation to Startup culture and ZEDC - a workshop was decided upon to be conducted for the first year students.
10. The committee was informed of the inauguration of "Viswajyothi Business Incubation Centre V-BIC" and the campus to encourage budding innovators and entrepreneurs.

11. There will be an Idea Fest conducted in the Campus inviting marketable innovative ideas from students and faculty and prize will be awarded for the best idea.
 12. The academic plan for the department was put up before the committee and same was approved.
 13. Budget proposal for the year '19-'20 was also approved by the committee and decided to be put up before the Management for further necessary action.
 14. 2 Series test of 2 hours [60 marks for S7, S5 and S3] and 50 marks for S1] was decided to be conducted for internal evaluation. Any changes in the marks stipulated by the University maybe incorporated in timely fashion.
 15. Academic mentoring will include Aptitude training tests to be conducted in each class by the Mentors along with the Soft skill training sessions for each batch by the external agency.
 16. The Convener asked everyone to work hard for the smooth conduct of the KTU sponsored FDP on "Geohazards and Disaster Management" scheduled for December 2019.
 17. Top priority will be given for Discipline" was the unanimous decision.
 18. It was unanimously decided to recheck the mapping components of PO and PEO, with faculty involvement.
- Meeting concluded @ 12 noon after the concluding remarks by the Convener.



per 11/11/2019



**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,
VAZHAKULAM P.O, MUVATTUPUZHA
DEPARTMENT OF CIVIL ENGINEERING**

VJCET/IQAC/CED/PAC/ATR - 09

DATE: 31-12-2019.

ACTION TAKEN REPORT FOR ODD SEMESTER 2019-2020

1. Academic plan was adhered to during the semester.
2. Class committees and course committees were reconstructed.
3. The teaching notes for newly introduced modules in courses were prepared and finalized.
4. Final year student projects were approved and finalized after minor modification.
5. Internships for students were monitored by the respective group tutor.
6. An orientation programme was conducted for first year students to introduce them to a "START-UP" culture.
7. Students qualified for IDEA FEST.
8. Aptitude training tests were conducted with the support of faculty mentors.
9. KTU sponsored FDP "Geohazards & Disaster Management" was successfully conducted with cent percent participation.
10. Curriculum mapping component with PEO was thoroughly analysed by the faculty and consistency ensured.

Ms. Shine George

Program Coordinator - CED & Convener - PAC



VISWAJYOTHI

COLLEGE OF ENGINEERING & TECHNOLOGY

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Vision

**"Moulding Professionals par Excellence
with Integrity, Fairness and Human Values"**

Mission

- We commit to develop the institution into a Centre of Excellence of International Standards.
- We guide and mould our students in the attainment of intellectual and professional competence for successfully coping with the rapid and challenging advancements in technology and the ever changing world of business, industry and services.
- We help and support our students in their personal growth shaping them into mature and responsible individuals.
- We strive to cultivate a sense of social and civic responsibility in our students, empowering them to serve humanity.
- We promise to ensure a free environment where quest for the truth is encouraged.

COURSE DIARY

Branch : Electronics & Communication Engineering
Semester : 56 EC-B Year : 2020 January - April.
Subject : Antenna & Wave Propagation
Code : EC 306

Name of Staff member	:	Merlin Thomas
Mobile No.	:	9446741339
Designation	:	Assistant Professor
Department	:	ECE Dept.

Course Plan

No.	Date & Day (Period)	Cumulative Hrs.	Topics to be Covered
1	13.1.20 Monday (1 st)	1	Introduction to the subject. Maxwell's equations, Basics of Antennas
2			<u>Module. 2</u> (16 hrs)
3	14.1.20 Tuesday (3 rd)	2	Concept of Retarded potential
4	15.1.20 Wednesday (4 th)	3	Short Electric Dipole - Magnetic Vector potential
5	17.1.20 Friday (5 th)	4	Short electric Dipole - Magnetic field components
6	20.1.20 Monday (1 st)	5	Short Electric Dipole - Electric field Components
7	21.1.20 Tuesday (3 rd)	6	Power radiated, & Radiation Resistance of a Short Electric Dipole
8	22.1.20 Wednesday (4 th)	7	Far field components of Short Electric Dipole, Problems.
9	24.1.20 Friday (5 th)	8	Half Wave Dipole - Magnetic Vector Potential.
10	25.1.20 Saturday (1 st)	9	Half wave Dipole - Magnetic field components
11	27.1.20 Monday (3 rd)	10	Half wave Dipole - Electric field components; & Avg power.
12	28.1.20 Tuesday (3 rd)	11	Radiation Resistance of a Half Wave Dipole.
13	14.2.20 Friday (5 th)	12	Antenna Measurements → Radiation Pattern

Course Plan

No.	Date & Day (Period)	Cumulative Hrs.	Topics to be Covered
14	17.2.20 (1st) Monday	13	Antenna Parameter measurement → Directivity, Gain.
15	18.2.20 Tuesday (3rd)	14	Antenna Parameter measurement → Impedance.
16	19.2.20 Wednesday (4th)	15	Tutorial problems.
17	22.2.20 Saturday	16	Class Test.
18			<u>Module - 1</u> (9 hrs)
19	29.1.20 Wednesday (4th)	1	Antenna Parameters - Definition - Radiation Pattern
20	31.1.20 Friday (5th)	2	Beamwidth, HPBW.
21	3.2.20 Monday (6th)	3	Radiation Intensity, (Beam Area / Beam Efficiency, Beam Solid angle).
22	4.2.20 Tuesday (7th)	4	Gain, Directivity, Antenna Efficiency, resolution.
23	5.2.20 Wednesday (8th)	5	Antenna temperature, Radiation resistance, Antenna field zones, Duality of antennas.
24	7.2.20 Friday (9th)	6	Effective Aperture, Effective Height.
25	10.2.20 Monday (1st)	7	Wave polarization, Polarization Loss factor, Polarization efficiency.
26	11.2.20 Tuesday (2nd)	8	Reciprocity theorem & Proof


Course Plan

No.	Date & Day (Period)	Cumulative Hrs.	Topics to be Covered
27	12.2.20 Wednesday (4 th)	9	Tutorial problems.
28			<u>Module-3.</u> (11 hrs)
29	26.2.20 Wednesday (3 rd)	1	Antenna Arrays :- Types, Array of 2 point sources.
30	28.2.20 Friday (5 th)	2	2 point sources - Radiation pattern of equal magnitude - in phase, out of phase
31	2.3.20 Monday (1 st)	3	Radiation pattern of unequal magnitude.
32	3.3.20 Tuesday (3 rd)	4	Linear array of n isotropic point sources with equal amplitude & equal spacing
33	4.3.20 Wednesday (4 th)	5	Beamwidth, Radiation pattern, Directivity of Broadside Array, End fire Array
34	6.3.20 Friday (5 th)	6	Array of n isotropic point sources.
35	7.3.20 (5 th) Saturday	7	Principle of Multiplication of Pattern, Applications, Grating Lobes
36	9.3.20 Monday (1 st)	8	Dolph - Chebyshev Optimum Pattern Steps & Procedure, Characteristics of Chebyshev Polynomials
37	10.3.20 Tuesday (3 rd)	9	Problems of Dolph - Tchebyshev Design
38	11.3.20 Wednesday (4 th)	10	Binomial Array - Design
39	13.3.20 Friday (5 th)	11	Tutorial Exercise.

Course Plan

No.	Date & Day (Period)	Cumulative Hrs.	Topics to be Covered
40			<u>Module - IV (6 hrs)</u>
41	16.3.20 Monday (1 st)	1	Beam Steering Antenna, horn wave Antenna.
42	17.3.20 Tuesday (2 nd)	2	Travelling wave Antenna.
43	18.3.20 Wednesday (3 rd)	3	V & Rhombic Antenna
44	23.3.20 Monday (1 st)	4	Horn & Parabolic Reflector Antenna
45	24.3.20 Tuesday (2 nd)	5	Cassegrain Antenna
46	25.3.20 Wednesday (3 rd)	6	Tutorial Exercise.
47			<u>Module - V (5 hrs)</u>
48	27.3.20 Friday (5 th)	1	Helical Antenna
49	30.3.20 Monday (1 st)	2	Log-Periodic Antenna
50	31.3.20 Tuesday (2 nd)	3	Design of Rectangular Patch Antenna & Problem.
51	1.4.20 Wednesday (3 rd)	4	Antennas for Mobile Base Station & handsets, Smart Antennas.
52	8.4.20 Wednesday (4 th)	5	Tutorial Exercise.

Course Plan

No.	Date & Day (Period)	Cumulative Hrs.	Topics to be Covered
53			<u>Module - VI</u> (9 hrs)
54	13.4.20 Monday (1 st)	1	Different layers of atmosphere, Modes of Propagation. Effective Dielectric Constant
55	17.4.20 Friday (5 th)	2	Refractive index of medium critical frequency
56	20.4.20 Monday (1 st)	3	Maximum Usable Freq - for flat earth surface
57	21.4.20 Tuesday (2 nd)	4	MUF for curved surface, skip distance, virtual height.
58	22.4.20 Wednesday (3 rd)	5	Space wave Propagation, LOS expression field strength of space wave
59	24.4.20 Friday (5 th)	6	Effect of Earth's Magnetic field, ionospheric abnormalities & absorption
60	25.4.20 Saturday	7	Duct propagation, VHF & UHF Mobile radio propagation
61	27.4.20 Monday (1 st)	8	Fading & Diversity Techniques. Tropospheric Scatter propagation
62	28.4.20 Tuesday (3 rd)	9	Tutorial problems, Discussion of University QP
63			————— 
64			
65			

Details of Assignments

No.	Date of submission	Date of return after evaluation	Description
1.	5.2.2020	7.2.2020	<ol style="list-style-type: none"> 1. Describe the structure of atmosphere. 2. Describe the different modes of radio wave propagation. 3. Briefly explain tropospheric scatter propagation.
2.	17.3.2020	8.4.20 Online submission	<ol style="list-style-type: none"> 1. What are the requirements for an antenna used in a mobile handset? Give some typical antennas used in cellular handsets. 2. Explain VHF & UHF mobile radio propagation 3. Give notes on smart antennas
3.	22.4.2020	Online submission	<p>3 University Questions - 2 Problems related to Dolph Tchebyscheff array & 1 Problem - to obtain radiation pattern for a 4 array with $d = \frac{\lambda}{4}$.</p> <p style="text-align: right;"><i>[Signature]</i></p>

Details of Tutorials

No.	Date	Description
1	5.2.20	Problems on Radiation Resistance, Directivity, Antenna efficiency & Beam Solid Angle.
2	7.4.20	Problems related to Directivity & FNBW of Broadside & Endfire Array.
3.	21.5.20	<p><u>Questions on Module-2. (Online Exam)</u></p> <ol style="list-style-type: none"> 1. Prove that the radiation resistance of a half wave dipole is 73Ω. (12) 2. Find the expression for the radiation resistance of a short electric dipole. (12) 3. Using appropriate figures, explain the experimental setup to plot the radiation pattern of an antenna. (8) 4. Using appropriate figures explain how antenna impedance can be measured for low and high frequencies. (10) 5. Explain the measurement of gain of an antenna with appropriate figures. (8 marks). <p style="text-align: right;">(50 marks)</p>

[Signature]

Details of Tutorials

No.	Date	Description
4	28.5.20	<p style="text-align: center;"><u>Test on Module 3 (Online)</u> (40 marks)</p> <ol style="list-style-type: none"> 1. Derive the expression for array factor of an N element linear uniform array and obtain its maximum value. (6 marks) 2. Derive expressions and plot the radiation pattern for the field radiated by two isotropic point sources fed with current of same magnitude & phase (5 marks) 3. Derive the expressions for the maximum directions of major lobe and minor lobes of an N port Broadside array. Draw the radiation pattern for an array of 4 isotropic sources of equal amplitude & spacing = $\frac{\lambda}{5}$. Also find its HPBW and write the expression for directivity (12 marks) 4. State and explain the principle of Pattern Multiplication. Illustrate the principle by drawing the radiation pattern of 4 isotropic elements fed in phase, spaced $\frac{\lambda}{2}$ apart (12 marks) 5. Explain Binomial array (5 marks)

Details of Tutorials

No.	Date	Description
		Quizes conducted using Quizzz
5	14.5.20	Quiz on Module 1
6	28.5.20	Quiz on Module 3.



VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY, VAZHAKULAM
FIRST YEAR STUDENT INDUCTION PROGRAM -2019-20 ODD SEMESTER

DATE & DAY		S1 CE A	S1 CE B	S1 CS A	S1 CS B	S1 EEE	S1 EC A	S1 EC B	S1 IT	S1 ME A	S1 ME B	
22/07/2019 MONDAY	1	GENERAL MEETING	GENERAL MEETING	GENERAL MEETING	GENERAL MEETING	GENERAL MEETING	GENERAL MEETING	GENERAL MEETING	GENERAL MEETING	GENERAL MEETING	GENERAL MEETING	
	2											
	3											
	4											
	5	HOD/TUTOR	HOD/TUTOR	HOD/TUTOR	HOD/TUTOR	HOD/TUTOR	HOD/TUTOR	HOD/TUTOR	HOD/TUTOR	HOD/TUTOR		
	6											
	7											
23/07/2019 TUESDAY	1	PLACEMENT TRAINING	PLACEMENT TRAINING	GOAL SETTING (GEO BABY)	GOAL SETTING (GEO BABY)	TECHNICAL SKILL DEVELOPMENT (RABBITSQUARE)	PLACEMENT TRAINING	PLACEMENT TRAINING	PLACEMENT TRAINING	TECHNICAL SKILL DEVELOPMENT (RABBITSQUARE)	TECHNICAL SKILL DEVELOPMENT (RABBITSQUARE)	
	2											
	3			FOREIGN LANGUAGE	FOREIGN LANGUAGE							
	4											
	5			FAB LAB	LIBRARY							
	6											
	7	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	
24/07/2019 WEDNESDAY	1	PLACEMENT TRAINING	PLACEMENT TRAINING	TECHNICAL SKILL DEVELOPMENT (RABBITSQUARE)	TECHNICAL SKILL DEVELOPMENT (RABBITSQUARE)	FAB LAB	PLACEMENT TRAINING	PLACEMENT TRAINING	PLACEMENT TRAINING	HOD/TUTOR	HOD/TUTOR	
	2					INTRO TO SCIENTIFIC CALCULATOR (AJ)				INTRO TO KTU (ANR)	INTRO TO SCIENTIFIC CALCULATOR (ANS)	INTRO TO SCIENTIFIC CALCULATOR (INT)
	3										LIBRARY	ENERGY MANAGEMENT(AK)
	4											
	5					LIBRARY				FAB LAB		
	6											
	7	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	
25/07/2019 THURSDAY	1	GOAL SETTING (GEO BABY)	GOAL SETTING (GEO BABY)	PLACEMENT TRAINING	PLACEMENT TRAINING	PLACEMENT TRAINING	TECHNICAL SKILL DEVELOPMENT (RABBITSQUARE)	TECHNICAL SKILL DEVELOPMENT (RABBITSQUARE)	INTRO TO KTU (ANR)	PLACEMENT TRAINING	PLACEMENT TRAINING	
	2	INTRO TO KTU (ANR)	LIBRARY						ENERGY MANAGEMENT(AK)			
	3								FOREIGN LANGUAGE			FOREIGN LANGUAGE
	4	FAB LAB										
	5											
	6											
	7	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	
26/07/2019 FRIDAY	1	TECHNICAL SKILL DEVELOPMENT (RABBITSQUARE)	TECHNICAL SKILL DEVELOPMENT (RABBITSQUARE)	PLACEMENT TRAINING	PLACEMENT TRAINING	PLACEMENT TRAINING	FOREIGN LANGUAGE	FOREIGN LANGUAGE	TECHNICAL SKILL DEVELOPMENT (RABBITSQUARE)	PLACEMENT TRAINING	PLACEMENT TRAINING	
	2						INTRO TO SCIENTIFIC CALCULATOR (INT)	LIBRARY				
	3											ENERGY MANAGEMENT(AK)
	4						LIBRARY	FAB LAB				
	5											
	6											
	7	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	
29/07/2019 MONDAY	1	Talk on ANTI-NARCOTICS	Talk on ANTI-NARCOTICS	Talk on ANTI-NARCOTICS	Talk on ANTI-NARCOTICS	Talk on ANTI-NARCOTICS	Talk on ANTI-NARCOTICS	Talk on ANTI-NARCOTICS	Talk on ANTI-NARCOTICS	Talk on ANTI-NARCOTICS	Talk on ANTI-NARCOTICS	
	2	YOGA CLASS	YOGA CLASS	YOGA CLASS	YOGA CLASS	YOGA CLASS	YOGA CLASS	YOGA CLASS	YOGA CLASS	YOGA CLASS	YOGA CLASS	
	3											
	4											
	5	LIBRARY	INTRO TO KTU (ANR)	KTU DATA ENTRY	SPOKEN TUTORIAL	FOREIGN LANGUAGE	ETHICS & HUMAN VALUES	KTU DATA ENTRY	FOREIGN LANGUAGE	KTU DATA ENTRY	FAB LAB	
	6		SPOKEN TUTORIAL		INTRO TO SCIENTIFIC CALCULATOR (AJ)							
	7	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS
30/07/2019 TUESDAY	1	KTU DATA ENTRY	ENERGY MANAGEMENT(AK)	INTRO TO SCIENTIFIC CALCULATOR (ANS)	INTRO TO ELEMENTARY MATHEMATICS (AJ)	KTU DATA ENTRY	FAB LAB	INTRO TO SCIENTIFIC CALCULATOR (DS)	ETHICS & HUMAN VALUES	INTRO TO KTU (ANR)	KTU DATA ENTRY	
	2	FAB LAB	KTU DATA ENTRY	INTRO TO ELEMENTARY MATHEMATICS (ANS)				INTRO TO ELEMENTARY MATHEMATICS (DS)		SPOKEN TUTORIAL		
	3			INTRO TO KTU (ANR)	KTU DATA ENTRY	GOAL SETTING (GEO BABY)	KTU DATA ENTRY	ENERGY MANAGEMENT(AK)	GOAL SETTING (GEO BABY)	FOREIGN LANGUAGE	FOREIGN LANGUAGE	
	4	DEPARTMENT ACTIVITIES	INTRO TO SCIENTIFIC CALCULATOR (AJ)	ENERGY MANAGEMENT(AK)				SPOKEN TUTORIAL				
	5				TUTOR/HOD	DEPARTMENT ACTIVITIES	INTRO TO KTU (ANR)	TUTOR/HOD	INTRO TO SCIENTIFIC CALCULATOR (DS)	INTRO TO ELEMENTARY MATHEMATICS (ANS)	INTRO TO SCIENTIFIC CALCULATOR (INT)	
	6	ROAD SAFETY CLASS	ROAD SAFETY CLASS	ROAD SAFETY CLASS	ROAD SAFETY CLASS	ROAD SAFETY CLASS	ROAD SAFETY CLASS	ROAD SAFETY CLASS	ROAD SAFETY CLASS	ROAD SAFETY CLASS	ROAD SAFETY CLASS	
	7											
31/07/2019 WEDNESDAY		HOLIDAY (KARKIDAKAVU)										
1/8/2019 THURSDAY	1	DEPARTMENT ACTIVITIES	INTRO TO ELEMENTARY MATHEMATICS (AJ)	TUTOR/HOD	FAB LAB	TUTOR/HOD	INTRO TO ELEMENTARY MATHEMATICS (INT)	ETHICS & HUMAN VALUES	KTU DATA ENTRY	INTRO TO ELEMENTARY MATHEMATICS (ANS)	SPOKEN TUTORIAL	
	2	INTRO TO SCIENTIFIC CALCULATOR (DS)	DEPARTMENT ACTIVITIES	DEPARTMENT ACTIVITIES		DEPARTMENT ACTIVITIES	DEPARTMENT ACTIVITIES	DEPARTMENT ACTIVITIES		DEPARTMENT ACTIVITIES	ENERGY MANAGEMENT(AK)	INTRO TO KTU (ANR)
	3	TALK ON CYBER SECURITY	TALK ON CYBER SECURITY	TALK ON CYBER SECURITY	TALK ON CYBER SECURITY	TALK ON CYBER SECURITY	TALK ON CYBER SECURITY	TALK ON CYBER SECURITY	TALK ON CYBER SECURITY	TALK ON CYBER SECURITY	TALK ON CYBER SECURITY	
	4	RESEARCH & DEVELOPMENT	RESEARCH & DEVELOPMENT	RESEARCH & DEVELOPMENT	RESEARCH & DEVELOPMENT	RESEARCH & DEVELOPMENT	RESEARCH & DEVELOPMENT	RESEARCH & DEVELOPMENT	RESEARCH & DEVELOPMENT	RESEARCH & DEVELOPMENT	RESEARCH & DEVELOPMENT	
	5											
	6	START UP	START UP	START UP	START UP	START UP	START UP	START UP	START UP	START UP	START UP	
	7											
2/8/2019 FRIDAY	1	SPOKEN TUTORIAL	HOD/TUTOR	KTU DATA ENTRY	DEPARTMENT ACTIVITIES	INTRO TO ELEMENTARY MATHEMATICS (AJ)	KTU DATA ENTRY	INTRO TO KTU (ANR)	TUTOR/HOD	ETHICS & HUMAN VALUES	KTU DATA ENTRY	
	2	ENERGY MANAGEMENT(AK)	DEPARTMENT ACTIVITIES					INTRO TO ELEMENTARY MATHEMATICS (DS)				SPOKEN TUTORIAL
	3	KTU DATA ENTRY	FAB LAB	LIBRARY	INTRO TO KTU (ANR)	KTU DATA ENTRY	TUTOR/HOD	KTU DATA ENTRY	KTU DATA ENTRY	GOAL SETTING (GEO BABY)	GOAL SETTING (GEO BABY)	
	4	INTRO TO ELEMENTARY MATHEMATICS (INT)	KTU DATA ENTRY	SPOKEN TUTORIAL	INTRO TO ELEMENTARY MATHEMATICS (ANS)	KTU DATA ENTRY	GOAL SETTING (GEO BABY)	GOAL SETTING (GEO BABY)	LIBRARY	KTU DATA ENTRY	ETHICS & HUMAN VALUES	
	5											
	6											
	7	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	



VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY, VAZHAKULAM
FIRST YEAR STUDENT INDUCTION PROGRAM -2019-20 ODD SEMESTER

DATE & DAY		S1 CE A	S1 CE B	S1 CS A	S1 CS B	S1 EEE	S1 EC A	S1 EC B	S1 IT	S1 ME A	S1 ME B
05/08/2019 MONDAY	1	HOD	TUTOR	HOD	TUTOR	HOD	HOD	TUTOR	HOD	HOD	TUTOR
	2	TUTOR	HOD	TUTOR	HOD	TUTOR	TUTOR	HOD	TUTOR	TUTOR	HOD
	3	Introduction to IEDC activities	ETHICS & HUMAN VALUES	Introduction to Engineering Electrical / Electronics	Introduction to IEDC activities	Introduction to Engineering Physics / Chemistry	Introduction to Engineering Civil / Mechanical	Introduction to Engineering Electrical / Electronics	Introduction to Engineering Physics / Chemistry	Address by Placement Officer	Introduction to IEDC activities
	4	Introduction to Engineering Mathematics		Visit to Common facilities	Talk by Vice- Principal	Talk by Vice- Principal	Introduction to Engineering Mathematics	DEPARTMENT ACTIVITIES	Introduction to Life Skills	Introduction to Engineering Mechanics / Graphics	Introduction to Life Skills
	5	Introduction to Engineering Physics / Chemistry	Introduction to Engineering Mechanics / Graphics		Introduction to Engineering Civil / Mechanical						Introduction to Engineering Civil / Mechanical
	6										Introduction to Engineering Physics / Chemistry
	7	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS
06/08/2019 TUESDAY	1	ETHICS & HUMAN VALUES	Introduction to Engineering Mathematics	Introduction to Engineering Physics / Chemistry	Introduction to Engineering Electrical / Electronics	Introduction to Engineering Civil / Mechanical	Introduction to Engineering Electrical / Electronics	Introduction to Engineering Civil / Mechanical	Familiarization to Engineering Labs Physics / Chemistry	Familiarization to Engineering Workshops Civil / Mechanical	Address by Placement Officer
	2		Introduction to IEDC activities								Talk by Vice- Principal
	3	Introduction to Engineering Mechanics / Graphics	Visit to Common facilities	Introduction to Engineering Mathematics	Familiarization to Engineering Workshops Civil / Mechanical	Familiarization to Engineering Labs Physics / Chemistry	Introduction to Engineering Physics / Chemistry	Familiarization to Engineering Workshops Electrical / Electronics	Introduction to Engineering Electrical / Electronics	Introduction to Engineering Physics / Chemistry	Introduction to Engineering Electrical / Electronics
	4			Talk by Vice- Principal							
	5	Visit to Department Labs	Introduction to Engineering Physics / Chemistry	Familiarization to Engineering Workshops Electrical / Electronics	Introduction to Engineering Mathematics	ETHICS & HUMAN VALUES	Familiarization to Engineering Workshops Civil / Mechanical	Introduction to Engineering Mathematics	Introduction to Engineering Civil / Mechanical	Visit to Common facilities	Familiarization to Engineering Labs Physics / Chemistry
	6				Introduction to Life Skills			DEPARTMENT ACTIVITIES			
	7	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS
07/08/2019 WEDNESDAY	1	Introduction to Engineering Electrical / Electronics	Talk by Vice- Principal	Address by Placement Officer	Introduction to Engineering Mechanics / Graphics	Introduction to Life Skills	Introduction to Engineering Mathematics	Familiarization to Engineering Workshops Civil / Mechanical	Familiarization to Engineering Workshops Electrical / Electronics	Familiarization to Engineering Labs Physics / Chemistry	Visit to Common facilities
	2		Introduction to Engineering Mathematics	Introduction to Life Skills		Introduction to IEDC activities	DEPARTMENT ACTIVITIES				
	3	Visit to Common facilities	Introduction to Engineering Civil / Mechanical	ETHICS & HUMAN VALUES	Address by Placement Officer	Familiarization to Engineering Workshops Civil / Mechanical	Familiarization to Engineering Labs Physics / Chemistry	Introduction to Engineering Physics / Chemistry	Talk by Vice- Principal	Introduction to Engineering Mathematics	Familiarization to Engineering Workshops Electrical / Electronics
	4				Introduction to Engineering Mathematics				DEPARTMENT ACTIVITIES	Introduction to IEDC activities	
	5	Familiarization to Engineering Labs Physics / Chemistry	Visit to Department Labs	Introduction to Engineering Civil / Mechanical	Familiarization to Engineering Workshops Electrical / Electronics	Introduction to Engineering Electrical / Electronics	Introduction to Life Skills	Introduction to Engineering Mathematics	Visit to Common facilities	Talk by Vice- Principal	Introduction to Engineering Mechanics / Graphics
	6						Address by Placement Officer	DEPARTMENT ACTIVITIES		DEPARTMENT ACTIVITIES	
	7	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS
08/08/2019 THURSDAY	1	Address by Placement Officer	Introduction to Engineering Electrical / Electronics	Introduction to IEDC activities	Introduction to Engineering Physics / Chemistry	Introduction to Engineering Mechanics / Graphics	Familiarization to Engineering Workshops Electrical / Electronics	Familiarization to Engineering Labs Physics / Chemistry	Familiarization to Engineering Workshops Civil / Mechanical	Introduction to Engineering Mechanics / Graphics	Introduction to Engineering Civil / Mechanical
	2	Introduction to Life Skills		Introduction to Engineering Mathematics							
	3	Familiarization to Engineering Workshops Electrical / Electronics	Familiarization to Engineering Workshops Civil / Mechanical	Visit to Department Labs	ETHICS & HUMAN VALUES	Visit to Common facilities	Introduction to Engineering Mechanics / Graphics	Visit to Department Labs	Familiarization to Engineering Labs Physics / Chemistry	Introduction to Engineering Mathematics	Introduction to Life Skills
	4									Address by Placement Officer	DEPARTMENT ACTIVITIES
	5	Introduction to Engineering Civil / Mechanical	Familiarization to Engineering Labs Physics / Chemistry	Familiarization to Engineering Workshops Civil / Mechanical	Visit to Department Labs	Familiarization to Engineering Workshops Electrical / Electronics	Talk by Vice- Principal	Visit to Common facilities	Introduction to Engineering Mathematics	Introduction to Engineering Electrical / Electronics	Visit to Department Labs
	6						Introduction to IEDC activities		Address by Placement Officer		
	7	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS
09/08/2019 FRIDAY	1	Talk by Vice- Principal	Address by Placement Officer	Introduction to Engineering Mechanics / Graphics	Familiarization to Engineering Labs Physics / Chemistry	Visit to Department Labs	Visit to Common facilities	Introduction to Engineering Mechanics / Graphics	Introduction to IEDC activities	Familiarization to Engineering Workshops Electrical / Electronics	Familiarization to Engineering Workshops Civil / Mechanical
	2	Introduction to Engineering Mathematics	Introduction to Life Skills						Introduction to Engineering Mathematics		
	3	Introduction to Mentoring and Mentor-Mentee Group formation	Introduction to Mentoring and Mentor-Mentee Group formation	Introduction to Mentoring and Mentor-Mentee Group formation	Introduction to Mentoring and Mentor-Mentee Group formation	Introduction to Mentoring and Mentor-Mentee Group formation	Introduction to Mentoring and Mentor-Mentee Group formation	Introduction to Mentoring and Mentor-Mentee Group formation	Introduction to Mentoring and Mentor-Mentee Group formation	Introduction to Mentoring and Mentor-Mentee Group formation	Introduction to Mentoring and Mentor-Mentee Group formation
	4										
	5	Familiarization to Engineering Workshops Civil / Mechanical	Familiarization to Engineering Workshops Electrical / Electronics	Familiarization to Engineering Labs Physics / Chemistry	Visit to Common facilities	Address by Placement Officer	Visit to Department Labs	Talk by Vice- Principal	Introduction to Life Skills	Visit to Department Labs	Introduction to Engineering Mathematics
	6					Introduction to Engineering Mathematics		Introduction to IEDC activities	DEPARTMENT ACTIVITIES		DEPARTMENT ACTIVITIES
	7	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS	ARTS & SPORTS

TIME TABLE COORDINATOR

(Rajini Sundar)

PRINCIPAL



VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,
VAZHAKULAM P.O, MUVATTUPUZHA, ERNAKULAM - 686670

COURSE INFORMATION SHEET

PROGRAMME: ELECTRONICS & COMMUNICATION	DEGREE: B TECH
COURSE: DIGITAL SIGNAL PROCESSING	SEMESTER: V CREDITS: 4
COURSE CODE: C301(EC 301)	COURSE TYPE: CORE
COURSE STREAM: SIGNAL PROCESSING	CONTACT HOURS: 4+1 (Tutorial) hours/Week
CORRESPONDING LAB COURSE CODE:(EC 333)	LAB COURSE NAME: DIGITAL SIGNAL PROCESSING LAB
COURSE COORDINATOR NAME : Vinija Kurian	

SYLLABUS:

MODULE	DETAILS	HOURS
I	The Discrete Fourier Transform: DFT as a linear transformation, Relationship of the DFT to other transforms, IDFT Properties of DFT and examples Circular convolution Linear Filtering methods based on the DFT- linear convolution using circular convolution, overlap save and overlap add methods Frequency Analysis of Signals using the DFT	11
II	Computation of DFT: Radix-2 Decimation in Time and Decimation in Frequency FFT Algorithms IDFT computation using Radix-2 FFT Algorithms Efficient computation of DFT of Two Real Sequences and a 2N-Point Real Sequence.	7
III	Design of FIR Filters- Symmetric and Anti-symmetric FIR Filters. Design of linear phase FIR Filters using Window methods (rectangular, Hamming and Hanning) and frequency sampling Method. Comparison of Design Methods for Linear Phase FIR Filters.	9
IV	Design of IIR Digital Filters from Analog Filters (Butterworth). IIR Filter Design by Impulse Invariance, and Bilinear Transformation. Frequency Transformations in the Analog and Digital Domain.	9
V	Block diagram and signal flow graph representations of filters. FIR Filter Structures: (Linear structures), Direct Form, Cascade Form and Lattice Structure. IIR Filter Structures: Direct Form, Transposed Form, Cascade Form and Parallel Form. Computational Complexity of Digital filter structures. Computer architecture for signal processing : Introduction to TMS320C67xx digital signal processor.	9
VI	Multi-rate Digital Signal Processing: Decimation and Interpolation (Time domain and Frequency Domain Interpretation without proof).	9

	Finite word length effects in DSP systems: Introduction (analysis not required), fixed-point and floating-point DSP arithmetic, ADC quantization noise. Finite word length effects in IIR digital filters: coefficient quantization errors. Finite word length effects in FFT algorithms: Round off errors.	
TOTAL HOURS		54

TEXT/REFERENCE BOOKS:

T/R	BOOK TITLE/AUTHORS/PUBLICATION
1	Oppenheim A. V., Schafer R. W. and Buck J. R., Discrete Time Signal Processing, 3/e, Prentice Hall, 2007.
2	Proakis J. G. and Manolakis D. G., Digital Signal Processing, 4/e, Pearson Education, 2007.
3	Lyons, Richard G., Understanding Digital Signal Processing, 3/e. Pearson Education India, 2004.
4	Mitra S. K., Digital Signal Processing: A Computer Based Approach, 4/e McGraw Hill (India), 2014.
5	Salivahanan, Digital Signal Processing, 3e, Mc Graw –Hill Education New Delhi, 2014 (Smart book)
6	NagoorKani, Digital Signal Processing, 2e, Mc Graw –Hill Education New Delhi, 2013

COURSE PRE-REQUISITES:

C.CODE	COURSE NAME	DESCRIPTION	SEM
EC 202	Signals and Systems	Entire Syllabus	S4

COURSE OBJECTIVES:

1	To provide an understanding of Digital Signal Processing principles, algorithms and applications
2	To study the design techniques for digital filters
3	To give an understanding of Multi-rate Signal Processing and its applications
4	To introduce the architecture of DSP processors

COURSE OUTCOMES:

S.NO.	DESCRIPTION
C301.1	Use DFT to evaluate time response and frequency response of signals and systems
C301.2	Implement DFT via Radix -2 FFT
C301.3	Design digital FIR filters using windowing and frequency sampling techniques.
C301.4	Design of digital IIR filters from analog filters using IIT & BLT.
C301.5	Implement digital filters in a computer with DSP architecture for signal processing using structures.
C301.6	Describe the fundamental concepts of Multirate digital signal processing and illustrate finite word length effects in DSP systems.

Vinija Kucian @G's

Subject Coverage

No.	Date & Day (Period)	Cumulative Hrs.	Topics to be Covered <u>Module-2 (16 hrs)</u>	Mode of Instruction
1	13.1.2020 Monday (1 st)	1	Fundamentals of Electromagnetic Theory. Maxwell's equations	Chalk & Talk
2	13.1.2020 Monday (6 th)	2	Introduction to Antennas Basic Structure	PPT, Chalk & Talk
3	14.1.2020 Tuesday (4 th)	3	Concept of Retarded Potential.	Chalk & Talk
4	17.1.2020 Friday (5 th)	4	Short Electric Dipole - fields. Analysis, Magnetic field Components	Chalk & Talk
5	17.1.2020 Friday (6 th)	5	Electric field Components of Short Dipole	Chalk & Talk
6	20.1.2020 Monday (3 rd)	6	Electrostatic field, Near field, far field, Antenna Zones.	Chalk & Talk
7	20.1.2020 Monday (6 th)	7	Far field components, Distance at which radiation & induction fields become equal	Chalk & Talk
8	21.1.2020 Tuesday (4 th)	8	Problems. Power radiated by a Current element.	Chalk & Talk.
9	24.1.2020 Friday (5 th)	9	Continuation of Power Radiated Radiation resistance R_r , Problems	Chalk & Talk
10	25.1.2020 Saturday (3 rd)	11	Half Wave Dipole - Derivation of Magnetic field Potential	Chalk & Talk
11	27.1.2020 Monday (1 st)	12	Half wave dipole - deriving B_ϕ & hence H_ϕ .	Chalk & Talk
12	28.1.2020 Tuesday (3 rd)	13	E_θ of Half wave dipole & Total power radiated & Radiation resistance = 73Ω	Chalk & Talk
13	29.1.2020 Wednesday (4 th)	14	Proof of $\int_0^\pi \frac{\cos^2(\frac{\pi}{2} \cos \theta)}{\sin \theta} d\theta$	Chalk & Talk


Subject Coverage

No.	Date & Day (Period)	Cumulative Hrs.	Topics to be Covered	Mode of Instruction
14			<u>Module -1</u> (10 hrs)	
15	31.1.2020 Friday (5 th)	1	Antenna Parameters, Radiation Pattern, HPBW.	Chalk & Talk
16	3.2.2020 Monday (2 nd)	2	Beam Area/Beam solid angle, Beam efficiency, Problems.	Chalk & Talk
17	4.2.2020 Tuesday (3 rd)	3	Radiation Intensity, Gain, G ₀ , G _p , Directivity.	Chalk & Talk
18	5.2.2020 Wednesday (4 th)	4	Resolution, Antenna Efficiency Tutorial problems (T)	Chalk & Talk
19	7.2.2020 Fri (5 th)	5	Problems on Radiation Intensity, & Beam Solid Angle	Chalk & Talk
20	10.2.2020 Monday (1 st)	6	Effective Aperture, Derivation, Problem.	Chalk & Talk
21	11.2.2020 Tuesday (3 rd)	7	Max Effective Aperture of a Short Electric Dipole & Half wave Dipole	Chalk & Talk.
22	12.2.2020 Wednesday (4 th)	8	Effective height, Relation b/w Directivity & Duality theorem	Antenna Chalk & Talk
23	17.2.2020 Monday	9	Reciprocity theorem & Applications.	Chalk & Talk
24	18.2.20 Tuesday	10	Polarization of antennas <u>Module -2:</u> Antenna Imp Measurements	Chalk & Talk
25	26.2.20 Wednesday	15	Slotted line block diagram. Radiation pattern measurement & Directivity	Chalk & Talk.
26	28.2.20 Friday	16	Measurement of Gain using Comparison Method	Chalk & Talk

Subject Coverage

No.	Date & Day (Period)	Cumulative Hrs.	Topics to be Covered	Mode of Instruction
27	2.3.20 Monday	17	Measurement of Gain using First method & Problems	Chalk & Talk
28			<u>Module-3.</u>	
29	3.3.20 Tuesday	1	Antenna Array - Intro. Broadside, Endfire - definition Array of 2 isotropic point source	Chalk & Talk
30	4.3.20 Wednesday	2	Collinear, Parasitic arrays, Array of 2 point sources - Equal amplitude & in phase	Chalk & Talk.
31	5.3.20 Thursday	3	Array of 2 point sources - Equal amplitude, out of phase, Radiation pattern	Chalk & Talk.
32	7.3.20 Saturday	5	Array of 2 pt source - unequal amp & any phase, equal amp & in phase quadrature, n point source	Chalk & Talk.
33	9.3.20 Monday	6	Broadside array - n isotropic point source. direction of maxima & minima of major lobe & minor lobe.	Chalk & Talk
34			Lockdown started.	
35	28.3.2020	3 lectures	Revision of Broadside array	Video lecturing
36	29.3.20	3 lectures	End fire array - Array of n isotropic sources, Radiation pattern, BWFN, HPBW	
37	31.3.20	1 lecture	Directivity of Broadside & End fire Array	
38	5.4.2020	2 lectures	Principle of Pattern Multiplication	
39	6.4.2020	1 lecture	Applications of Principle of Pattern Multiplication	

Subject Coverage

No.	Date & Day (Period)	Cumulative Hrs.	Topics to be Covered	Mode of Instruction
40	7.4.2020	2 lecture	Tutorial Problems	
41	8.4.2020	4 lecture	Grating lobes, Tutorial problems.	
42	11.4.2020	1 lecture	Tchebyscheff polynomial	
43	13.4.20	2 lecture	Dolph patter method of obtaining optimum pattern using chebyshev polynomial	
44	14.4.20	1 lecture	Calculation of Dolph Tchebyscheff Amplitude Distribution	Video
45	15.4.20	1 lecture	Problems related to Dolph. Tchebyscheff array	Lecturing
46	23.4.20	1 lecture	Comparison of Diff. Broadside arrays.	
47	24.4.20	1 lecture	Proof of α_0 formula	
48	25.4.20	1 lecture	FNBW & HPBW of Chebyshev polynomial pattern	
49	26.4.20	1 lecture	Binomial array, & problem	
50				25 video lectures + 6 class hours
51	28.5.20	12-2pm	Online Test on module 3	
52	1-6.20 2.6.20	9-10am 12-1pm	Revision on Mod-3 Pattern Multiplication	Google meet

Subject Coverage

No.	Date & Day (Period)	Cumulative Hrs.	Topics to be Covered	Mode of Instruction
53			<u>Module. IV</u> - <u>Types of Antennas</u>	
54	5.5.2020	2 lectures	Long Wire Antenna - Resonant & Non resonant	Video lecturing
55	7.5.2020	1 lecture	V antenna	Video Lecturing
56	14.5.2020	from 10 am - 12 am	Online Quiz on Module 1.	
57	21.5.20	from 10 - 12 noon	Exam on Module 2 (Out of 50) To be Submitted through Google Classroom	
58	22.5.20	1 Lecture	Rhombic antenna - Part 1	} Video lecture.
59	23.5.20	1 Lecture	Rhombic Antenna - Part 2	
60	28.5.20	9-10 Quiz	Quiz & Test on <u>Module - 3</u> (Online meet)	
61	1-6.20 2-6.20 3-6.20	9-10 am 12-1 pm	(Online class) Quiz on, Module - 3	Google meet Google Classroom
62	4.6.20 Thursday	1-2 pm	Broadside array & End fire array Test.	Google meet
63	6.6.20 Saturday	9-10 am	Principle of Pattern Multiplication - Cases. Sending Videos in Malayalam.	Google Meet
64	8.6.20 Monday	9-10 am	Cases of Pattern Multiplication	Google Meet
65	9.6.20 Tuesday	1-2 pm	Dolph. Chebyshev Array Procedure	Google meet.

Subject Coverage

No.	Date & Day (Period)	Cumulative Hrs.	Topics to be Covered	Mode of Instruction
66	10.6.20 Wednesday	12-1pm	Problem of Dolph-Chebyshev Array	Google classroom
67	11.6.20 Thursday	1-2pm	Problem of Dolph-Chebyshev Array	Google meet
68	13.6.20 Saturday	11-12	Binomial Array	Google meet
69	13.6.20	1-2pm	Sent a video on Proof of $\psi = \beta d \cos \theta$ for a Broadside array	Whatsapp Google classroom
70	15.6.20 Monday	9-10am	Discussion on Module 3	Google meet
71	16.6.20 Tuesday	12-1pm 1	<u>Module 4 Online</u> (13 hours) Submission on Resonant & Non-resonant long wire antennas	Google classroom
72	17.6.20 Wednesday	12-1pm 2	Discussion on Resonant & Travelling Wave Antennas	Google meet
73	18.6.20 Thursday	1-2pm 3	Making them watch my video on λ antenna & uploading notes written	Google classroom
74	20.6.20 Saturday	11-12 4	Question Answering on λ antenna.	Google meet
75	22.6.20 Monday	9-10am 5	Making students watch my video on Rhombic antenna & uploading notes	Google classroom
76	23.6.20 Tuesday	12-1pm 6	Question Answering on Rhombic Antenna	Google meet
77	24.6.20 Wednesday	12-1pm 7	Uploaded video on Horn antenna & sent thru Whatsapp & Class room	Google classroom
78	25.6.20 Thursday	1-2pm 8	Beam steering Antenna video Uploaded & note submission	Google classroom

Subject Coverage

No.	Date & Day (Period)	Cumulative Hrs.	Topics to be Covered	Mode of Instruction
79	27.6.20 11-12 noon Saturday	9	Discussion on Horn Antenna & Beam steering	Google meet
80	29.6.20 9-10 am Monday	10	Reflector antenna. note & video uploaded.	Google classroom
81	30.6.20 12-1 pm Tuesday	11	Made students watch video & discussion on Parabolic Reflector	Google meet
82	1-7-20 12-1 pm Wednesday	12	Cassegrain Feed	Google meet
83	2-7-20 1-2 pm Thursday	13	Revision of Parabolic Reflector antenna	Google meet
84			<u>Module -5</u> (4 hours)	
85	4-7-20 11-12 Saturday	1	Uploading Note & Video of Helical Antenna	Google classroom
86	6-7-20 9-10 am Monday	2	Discussion on Helical antenna	Google meet.
87	7-7-20 12-1.15 pm Tuesday	3	uploaded note & video of log Periodic Antenna & Discussed in class	Google class & Google meet
88	8-7-20 12-1.10 pm Wednesday	4	Upload notes in Team & video in Google classroom of Microstrip Patch Antenna, in Meet	Teams Google meet Google classroom
89	14-7-20 9-7-20 1-2 pm Thursday		<u>2nd Series Exam.</u> did problem <u>Module -6</u>	Google meet.
90			Uploaded Videos in Class room.	
91				



VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY, VAZHAKULAM

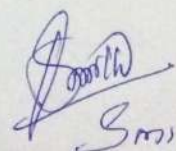
Department of Electronics & Communication Engineering

Semester	III
Batch	B

Subject	EC201 Network Theory
Course Code	C202
Faculty Name	Mrs.SMITHA CYRIAC

GAP IN THE SYLLABUS

SI No	Gap	Action Taken	Date-Month-Year	Resource Person with Designation	% of Students	Relevance to POs and PSOs
1	Transient Analysis using differential function	Handout provided	25/11/2019	Mrs.SMITHA CYRIAC	88.8	PO1,PO2,PO3, PO4,PO5,PO6, PO9,PO12
2	Simulation of networks using software	Handout provided	25/11/2019	Mrs.SMITHA CYRIAC	88.8	PO1,PO2,PO3, PO4,PO5,PO6, PO9,PO12
3	Network synthesis	Handout provided	25/11/2019	Mrs.SMITHA CYRIAC	88.8	PO1,PO2,PO3, PO4,PO5,PO6, PO9,PO12


Mrs. Smitha Cyriac



VISWAJYOTHI

COLLEGE OF ENGINEERING & TECHNOLOGY

Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University

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Established in 2001

Managed by Catholic Diocese Kothamangalam



DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

COURSE FILE-CONTENTS

1. PREFACE OF THE SUBJECT
2. COURSE INFORMATION SHEET
3. INTERNAL QUESTION PAPER WITH ANSWER KEY.
4. ASSIGNMENT TOPICS WITH SUBMISSION DATES.
5. INTERNAL ASSESSMENT MARK RECORDS
6. STUDENT NAME LIST-COMMON & CATEGORY WISE
7. REMEDIAL CLASS PLAN AND CONTINUOUS EVALUATION RECORDS.
8. UNIVERSITY RESULT AND ANALYSIS
9. COURSE ASSESSMENT SHEET
10. SAMPLE ASSIGNMENTS.
11. TUTORIAL SHEETS
12. SAMPLE ANSWER SHEETS
13. LIST OF CO-CURRICULAR ACTIVITIES



VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

29/01/2020

NOTICE

A class committee of S4 ECE A is scheduled on 29/01/2020 at 01.15 pm in communication II lab. The members of the class committee for S4 ECE A are requested to attend the meeting.

Agenda of the class committee

1. Welcome address and introductory remarks (Objectives and functions of the committee by chairman)
2. Adherence to the course plan
3. Difficulties faced by students and remedial actions to be taken
4. Response from faculty
5. Concluding remarks by Chairman

Thomas
Chairman

de la hna
Convenor









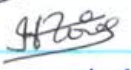
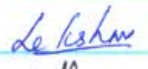



Smitha
HOD(ECE)
Smitha Cyriac

Ms. Dany Sebastian *DS*
Ms. Ann Neetha Sabu *Ann*
Ms. Vinija Kurian *Vinija*
Ms. Smitha Cyriac *Smitha*
Ms. Sani John *Sani*
Mr. Jibby Peter D'cruz *Jibby*
Mr. Biju George *Biju*
Ms. Anitta Thomas *Anitta*
Ms. Rose Maria Jose *Rose*
Ms. Lakshmi M.S *Lakshmi*
Ms. Niji Mathews *Niji*
Mr. Jaimon James *Jaimon*
Ms. Bindu Vincent *Bindu*

Date : 29/1/2020 , Time : 1:15 pm

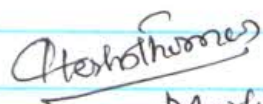
Venue : Communication II Lab.

Members Attended the Meeting.

1. Mrs. Smetha Cyriac 
2. Mrs. Ann Neetha Sabar 
3. Ms. Biju George 
4. Ms. Dany Sebastian 
5. Ms. Vinija Kurian 
6. Ms. Sami John 
7. Mr. Jibby Peter Deez 
8. Ms. Anitha Thomas 
9. Ms. Rose Maria Jose 
10. Ms. Lakshmi M.S. 
11. Ms. Niji Mathews 
12. Mr. Jaimon James 
13. Ms. Bindu Vincent 

Minutes of Meeting.

1. The chairman welcomed all staff & students to the meeting. The objective & functions of class committee was briefed.
2. Progress of each subject was discussed.
3. The faculties expressed their regrets for the poor performance of the students.
4. The students were asked to work hard, & read daily, to come in proper time to lab.
5. Students expressed their satisfaction in the conduction of classes.
6. The meeting was over by 1:40 pm.



Merlin Thomas



Viswajyothi College of Engineering and Technology, Vazhakula P.O

Examination

Cla S5-EC A

Pa EC301 Digital Signal Processing

Roll No	Name	IT 1(60)	IT 2(60)	Assignment 1(10)	Assignment 2(10)	Attendance %	Test Marks(40)	Assignment (10)	Sessional Mark(50)
1	AANJANA M BABY	44.0	37.0	10.0	10.0	83.0	27.0	10.0	37.
2	ABIN SUNNY	19.0	17.0	5.0	5.0	79.0	12.0	5.0	17.
3	ALBIN JOHN	24.0	15.0	10.0	10.0	85.0	13.0	10.0	23.
4	ALEENA SAJI KURIAKOSE	34.0	47.0	10.0	10.0	87.0	27.0	10.0	37.
5	ALFRED ROY	30.0	27.0	10.0	10.0	83.0	19.0	10.0	29.
6	ALWIN C VARGHESE	35.0	33.0	10.0	10.0	90.0	22.7	10.0	33.
7	AMAL SURESH	30.0	16.0	9.0	10.0	85.0	15.3	9.5	25.
8	ANN NIDHIYA P T	57.0	43.0	10.0	10.0	92.0	33.3	10.0	43.
9	ARADHANA PRAKASH	46.0	55.0	10.0	10.0	94.0	33.7	10.0	44.
10	ARSHIYA NOUSHAD	48.0	59.0	10.0	10.0	87.0	35.7	10.0	46.
11	AUGUSTINA K MARTIN	35.0	54.0	10.0	10.0	89.0	29.7	10.0	40.
12	BRISTO SAVIO	41.0	30.0	10.0	10.0	94.0	23.7	10.0	34.
13	DONA SAJI K	53.0	48.0	10.0	10.0	87.0	33.7	10.0	44.
14	HARIKRISHNAN K S	34.0	13.0	4.0	10.0	77.0	15.7	7.0	23.
15	HELNA ELDHO	35.0	39.0	10.0	10.0	92.0	24.7	10.0	35.
16	JEES JOY	31.0	16.0	4.0	10.0	77.0	15.7	7.0	23.
17	JERIN GEORGE	44.0	16.0	10.0	10.0	93.0	20.0	10.0	30.
18	LIBIYA PATHROSE	41.0	45.0	10.0	10.0	87.0	28.7	10.0	39.
19	LIYA JOJO	41.0	54.0	10.0	10.0	90.0	31.7	10.0	42.
20	LIYA TOMY	40.0	40.0	10.0	10.0	92.0	26.7	10.0	37.
21	MARIYA GEORGE	56.0	47.0	10.0	10.0	83.0	34.3	10.0	44.
22	MERILA ANN JOSEPH	49.0	51.0	10.0	10.0	86.0	33.3	10.0	43.
23	MINNU MARY JOLLY	50.0	54.0	10.0	10.0	87.0	34.7	10.0	45.
24	NELSON JOSEPH	21.0	28.0	9.0	10.0	89.0	16.3	9.5	26.
25	NIVYA THOMAS	49.0	52.0	10.0	10.0	93.0	33.7	10.0	44.
26	PADMAKUMAR J	24.0	25.0	4.0	10.0	76.0	16.3	7.0	23.
27	ROSE PIUS	49.0	50.0	10.0	10.0	92.0	33.0	10.0	43.
28	SALVIYA MATHEW	48.0	51.0	10.0	10.0	90.0	33.0	10.0	43.
29	SARASWATHY S NAIR	33.0	47.0	10.0	10.0	87.0	26.7	10.0	37.
30	SHILPA VARGHESE	34.0	50.0	10.0	10.0	90.0	28.0	10.0	38.
31	SNEHA GEORGE	49.0	53.0	10.0	10.0	94.0	34.0	10.0	44.
32	SOLU PAULOSE	26.0	23.0	4.0	10.0	82.0	16.3	7.0	23.
33	SUSAN SHAJI	43.0	40.0	10.0	10.0	89.0	27.7	10.0	38.
34	VYSHAKH ANIL	21.0	19.0	10.0	10.0	92.0	13.3	10.0	23.
35	YAMUNA M.S	46.0	50.0	10.0	10.0	90.0	32.0	10.0	42.
Total Mark									1234.
Avg									35.
Max Mark									46.
Min Mark									17.

Viswajyothi Kucian



**VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY,
VAZHAKULAM**

**Department of Electronics & Communication Engineering
Total**

Semester	V
Batch	A

Subject	Digital Signal Processing
Course code	C 301
Faculty Name	VINIJA KURIAN

Roll No	Name	CT1	CT2
		60	60
1	AANJANA M BABY	44	37
2	ABIN SUNNY	19	17
3	ALBIN JOHN	24	6
4	ALEENA SAJI KURIAKOSE	34	47
5	ALFRED ROY	30	27
6	ALWIN C VARGHESE	35	33
7	AMAL SURESH	30	16
8	ANN NIDHIYA P T	57	43
9	ARADHANA PRAKASH	46	55
10	ARSHIYA NOUSHAD	48	59
11	AUGUSTINA K MARTIN	35	54
12	BRISTO SAVIO	41	30
13	DONA SAJI K	53	48
14	HARIKRISHNAN K S	34	4
15	HELNA ELDHO	35	39
16	JEES JOY	31	10
17	JERIN GEORGE	44	16
18	LIBIYA PATHROSE	41	45
19	LIYA JOJO	41	54
20	LIYA TOMY	40	40
21	MARIYA GEORGE	56	47
22	MERILA ANN JOSEPH	49	51
23	MINNU MARY JOLLY	50	54
24	NELSON JOSEPH	21	28
25	NIVYA THOMAS	49	52
26	PADMAKUMAR J	19	6
27	ROSE PIUS	49	50
28	SALVIYA MATHEW	48	51
29	SARASWATHY S NAIR	34	47
30	SHILPA VARGHESE	34	50
31	SNEHA GEORGE	49	53
32	SOLU PAULOSE	26	17
33	SUSAN SHAJI	43	40
34	VYSHAKH ANIL	21	7
35	YAMUNA M.S	46	50

Brighter Students

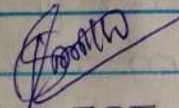
Weaker Students

Vinija Kurian

Date: 02-07-2020

Notice

A meeting of all staff members of Electronics and Communication Engineering department will be held on 03-07-2020 through Google meet at 3pm. The meeting id is xxtk-smbs-qet



HOD - ECE

Agenda .

1. National Conference - VLES'20
2. Subject Allocation
3. Internal Test
4. Online Teaching Platform
5. Summer class
6. NAAC/NBA work
7. Staff Appraisal

Members Attended the meeting

Date : 03-07-2020

Time : 3.00PM - 4.15 PM

- | | |
|----------------------------|----------------------------------|
| 1. Smitha Cyraic | HOD-ECE |
| 2. Sonny P Mathew | Vice-Principal |
| 3. Cyriac M Odlockal | Asst. Prof. |
| 4. Tony D | Asst. Prof. |
| 5. R Anilkumar | Asst. Prof. |
| 6. Lekshmi M.S | Asst. Prof. |
| 7. Anetta Thomas | Asst. Prof. |
| 8. Ranjini Surendran | Asst. Prof. |
| 9. Neje Mathew | Asst. Prof. |
| 10. Rose Maria Jose | Asst. Prof. |
| 11. Meelin Thomas | Asst. Prof. |
| 12. V.K. Vanitha Rugmani | Asst. Prof. |
| 13. Cuckoo Anitha Joseph | Asst. Prof. |
| 14. Sane John | Asst. Prof. |
| 15. Manu Jose | Asst. Prof. |
| 16. Manju Thomas T | Asst. Prof. |
| 17. Krishnaendu K | Asst. Prof. |
| 18. Rose Mary Kuruvithadam | Asst. Prof. |
| 19. Ferry John | Asst. Prof. |
| 20. Anish M Jose | Asst. Prof. |
| 21. Mary Nirmala George | Asst. Prof. |
| 22. Jibby Peter D'cruz | Asst. Prof. |
| 23. Vineja Kurian | Asst. Prof. |
| 24. Anu C Kunjachan | Asst. Prof. |
| 25. Thankachan P.J | 1 st Grade Instructor |
| 26. Ginu Jose | 2 nd Grade Instructor |
| 27. Denny Joseph | 2 nd Grade Instructor |
| 28. Renji Issac | Trade Instructor |
| 29. Shiju Jose | Trade Instructor |
| 30. Jackson George | Trade Instructor |
| 31. Thomas Mathew | Tradesman. |

Minutes of the meeting held on 03-07-2020

1. HOD informed that the National Conference - VLES'20- is scheduled to be conducted on 14th and 15th July, 2020. Ms. Ranjini Surendran is ^{appointed as} the staff-in-charge for the event and Mohid Antony Jimmy, SA EC & student, is the student co-ordinator for the programme. Various committees are formed for the smooth conduct of the event.

1. Google form for registration - Mr. Krishnendu K

2. Registration, Feedback, Google meet } - Ms. Fanny John
id creation } Ms. Marysimola George

3. Plagiarism - Ms. Cuckoo Anitha Joseph & Ms. Anitha Thomas

4. Presentation : Day 1 : Ms. Niji Mathan, Ms. Madelin Thomas,
Ms. Anu C. Kariyadann

Day 2 : Ms. Sani John, Ms. Rosemary K., Ms. Vinija Karim

5. Judges Slot : Ms. Manju Thomas T. & Ms. V.K. Vanitha Rajagopal

Internal Judges : Dr. Cynric M Odorick, Dr. Tony D., Mr. Anilkumar P.
from Dept. } Ms. Rosemaria Jose

6. e-Certificate - Mr. Anish M Jose & Mr. Tibby Peter D'Costa

7. Proceedings - Ms. Lekshmi M.S.

Ms. Ranjini Surendran briefed the duties of each committee. HOD said all SA project groups & M-Tech students should present their papers in the conference. Tutors and guides have to take special interest regarding this. Manju miss & Vanitha miss have to form a panel of internal judges from other depts. by including HODs and senior staffs from CSE, IT & EEE departments. Conference will be inaugurated by Dr. Abdulla, Professor, School of Engg., CUSAT. He will also deliver a Technical talk on Communication Engineering.

2. Even semester (S2, S4 and S6) classes have to be completed by 17th July. If any staff requires extra hours to complete their subject, Tutors have to

make suitable arrangements for the same. Internal test (Series Test 2) for these semesters will be conducted after July 17th. Students have to appear for online exam by turning on their video and the concerned staff has to monitor the exam. Classwise common timetable will be provided later. The exam duration will be of 1 hour.

3. Odd semester classes (S3, S5 and S7) is decided to start from July 27th onwards. A total of 5 hours, each of 45 minutes duration will be there in each day with the following timing

Hour 1 - 9 am to 9.45 am

Hour 2 - 9.55 am to 10.40 am

Hour 3 - 10.50 am to 11.35 am

Hour 4 - 11.45 am to 12.30 pm

Hour 5 - 1.15 pm to 2 pm.

4. List of Summer class attendees has to be prepared by S4 Tutors on or before 6th July. Those students has to attend a 20 hr. summer class before July 25th.
5. Regarding online teaching platform, it is mandatory to use Microsoft Teams from 8th July onwards. Next semester onwards, only Teams will be allowed.
6. Subject allocation for next odd semester will be done on 6th July. S5 & S7 Tutors has to collect the elective list from students. S3 Tutors have to prepare the list who opted for minor degree. HOD asked all staff members to email the subject preferences (atleast 3 subjects) to Ranjini miss & Smitha miss before 10 am, 4th July.
7. HOD asked all staff members to submit the filled appraisal form to her by 20th July.

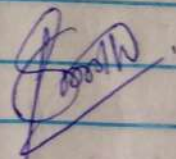
8. HOD asked Manu Jose to brief the admission related things. He explained the fee structure and current status of admission.
9. HOD informed the meeting that to carry out any work through publication division permission letter from HOD is mandatory.
10. HOD informed that alternate ^{day} work is compulsory. Day change can be done with prior permission from HOD.
11. HOD told that NBA and NAAC related works has to be restarted at the earliest. NBA compliance report has to be completed by December.
12. HOD asked Gino sir to test the mic in all PC's of the department.
13. HOD congratulated Cyriac sir and Tony sir for securing Ph.D.
14. HOD congratulated Samy sir, Cyriac sir and Tony sir for having 78% attendance in the online aptitude test conducted by Konfidence for 56 students.

Minutes Prepared by



Manu Jose
Dept. Secretary

Minutes Approved by





Roll No:NPTEL18CS52S11250201

To

AARCHA PAUL
PALATTY HOUSE
KODANAD P.O
ERNAKULAM
KERALA
683544
PH. NO :9744507069



No. of credits recommended by NPTEL:2

Score	Type of Certificate
≥ 90	Elite + Gold Medal
60-89	Elite
40-59	Successfully Completed the course
< 40	No Certificate



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to

AARCHA PAUL

for successfully completing the course

Introduction to R Software

with a consolidated score of **83 %**

Online Assignments	24.21/25	Proctored Exam	59.25/75
--------------------	----------	----------------	----------

T V Prabhakar

Prof. T. V. Prabhakar
Chairman
Center for Continuing Education, IITK

Total number of candidates certified in this course: **2009**

Aug-Sep 2018
(8 week course)

Satyaki Roy

Prof. Satyaki Roy
NPTEL Coordinator
IIT Kanpur



Indian Institute of Technology Kanpur



Roll No: NPTEL18CS52S11250201

To validate and check scores: <http://nptel.ac.in/noc>



07/06/2020

TONY KURIAN

has successfully completed

**Introduction to the Internet of Things and
Embedded Systems**

an online non-credit course authorized by University of California, Irvine and offered
through Coursera

A handwritten signature in black ink, which appears to read "Ian Harris", is positioned above a horizontal dotted line.

Ian Harris
Professor
Department of Computer Science

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/VUH96NJ2TSW6

Coursera has confirmed the identity of this individual and
their participation in the course.

live webinar



Google Meet
rtc-mwxf-pbj

23rd June
2020
10.00 am - 11.00 am

**LASER SURFACE
MODIFICATION
(ADDITIVE TECHNOLOGY)
&
DESIGN OUTLOOK
IN AN INDUSTRY (HMT)**



Resource Person

Dr. Rakesh K R

Deputy Engineer - Design
HMT Machine Tools Limited
Kalamassery



Coordinators

Dr. Shunmugesh K (HOD MED)

Arun K.R. (Asst. Prof. MED)



9947929956
9747953565



Organised by
DEPARTMENT OF
MECHANICAL ENGINEERING



VISWAJYOTHI

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Ernakulam Dist., Kerala - 686 670
Tel: 0485 2262211 / 44
Email: vjcet@vjcet.org
www.vjcet.ac.in





ONLINE TRAINING

Introduction to Analysis Software **ISRO FEAST**

**21st August
2020**

11.00 am - 12.00 noon



Google Meet

iki-zrfg-nhn

Resource Person

Mr. Sreejan

*Application Engineer
interCAD Systems Pvt Ltd
Trivandrum*



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MECHANICAL ENGINEERING ASSOCIATION

in association with

**INDUSTRY INSTITUTE INTERACTION CELL (IIIC),
R&D & INTERCAD SYSTEMS PVT. LTD.**



8593838408

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WEBINAR SERIES

*Business Transformation
during to COVID 19 -
Now, Next and Beyond?*



Resource Person

Mr. Rajesh Nair

Associate Partner, Markets, EY

22nd May 2020
10.00 am- 11.00 am



Meeting ID : 738 337 5844
Password : mbaweb2020

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9746249464
9847946548

**E-Certificate
will be
Provided**



CERTIFICATE OF COMPLETION



THIS CERTIFICATE IS
PRESENTED TO

Binusree PCA

student of Viswajyothi College of Engineering and Technology Vazhakulam, has successfully completed 20 hours Internship program on "Electronic circuits and components" by Rabbitsquare LLP in the month of February and March. She was sincere, punctual and diligent during the internship. Her code of conduct was good.

We wish her every success in her career.

Date of issue:
25-08-2020




Varghse Benny
CEO, Rabbitsquare LLP



RABBITSQUARE LLP
www.rabbitsquare.in

SPIN 2020



5th National Conference on Security, Parallel Processing, Image Processing and Networking



Keynote Speaker
Dr. Anand Kumar
Dept. of IT, NIT, Surathkal

17th & 18th
June 2020
09.30 am - 02.00 pm



Google Meet
pfknvfojyk



Adarsh : 8547615580
Nidhin : 7561022524
Riya : 8547312330
Aiswarya : 9526146395

spin2020@vjcet.org

**Introduction to
Deep Learning and it's applications.**

Co-ordinators

Mrs. Silpa Joseph, Asso. Prof., CSE

Mrs. Mili Els Jose, Asst. Prof., CSE

All the selected papers will be published in the proceedings of the conference and extended or modified version of the paper will be recommended to be published in the biannual journal "Technology & Future" of VJCET.

NB. The papers should be sent in editable word format.

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DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

In association with

CSI, ISTE and R&D



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**E-Certificate
will be
Provided**



LIVE
WEBINAR

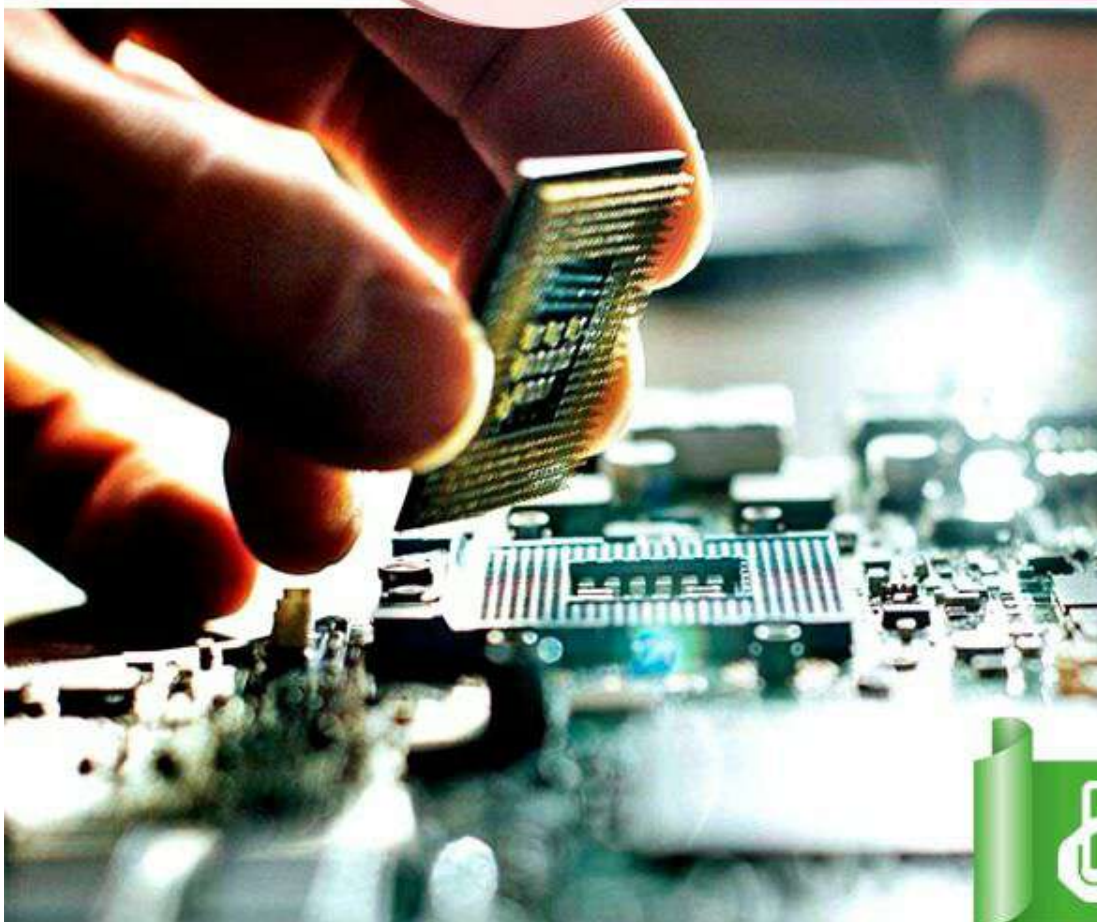


Electronic Industry- Post COVID

2nd June
2020
10.00 am



Reg. Link : <https://bit.ly/3cgeDs2>



Resource Person
K.Narayanan Renjith
Hardware Architect
Robert Bosch



9447523022
9847146256

Organised by

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

in association with **IETE STUDENT CHAPTER OF VJCT**



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COLLEGE OF ENGINEERING & TECHNOLOGY

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will be
Provided





ENGINEERING APPLICATIONS OF NANO MATERIALS



Google Meet
kwr-rwdr-zab

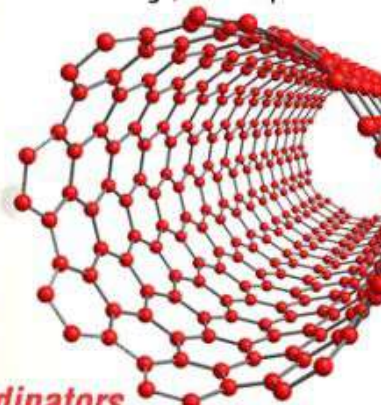
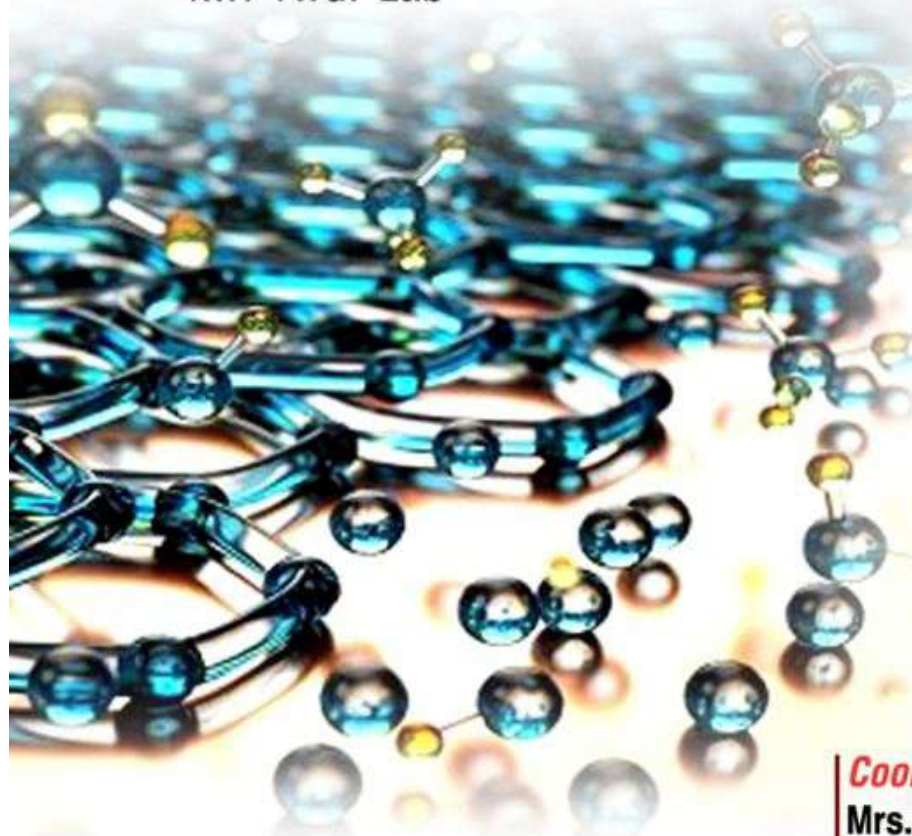
6th July
2020
10.00 am - 11.00 am



Resource Person

Dr. Ajitha A.R.

Department of Chemistry
Nirmala College, Muvattupuzha



Coordinators

Mrs. Mereya Baby, AP, EEE

Mrs. Smitha Jacob, AP, EEE

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in association with
INDUSTRY INSTITUTE INTERACTION CELL



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www.vjcet.org



NATIONAL CONFERENCE ON ADVANCEMENTS IN CONTROL AND COMPUTING TECHNOLOGIES IN ELECTRICAL ENGINEERING



Google Meet
vxr-xnip-wyv



Keynote Speaker

Dr. A K Parvathy

Prof. & HOD, Dept. of EEE
Hindustan Institute of
Technology & Science, Chennai

Co-ordinators

Ms. Jane Maria S, Asst. Prof., EEE

Ms. Seena Paul, Asst. Prof., EEE

15th & 16th
July 2020
09.30 am - 02.00 pm



7510444565
9048532747

All the selected papers will be published in the proceedings of the conference and extended or modified version of the paper will be recommended to be published in the biannual journal "Technology & Future" of VJCET.

NB : The papers should be sent in editable word format to nacct2020@vjcet.org

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&
IEEE PES VJCET CHAPTER



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will be
Provided





GATE²⁰²⁰ Scorecard

Graduate Aptitude Test in Engineering

Name

APARNA R NAIR

Registration Number

EE20S57219045

Examination Paper

Electrical Engineering (EE)



Signature

(Candidate's Signature)

Marks out of 100*

35.67

Qualifying Marks**

33.4

30.0

22.2

GEN/EWS

OBC (NCL)

SC/ST/PwD

All India Rank
in this paper

11977

Number of Candidates
appeared in this paper

93526

GATE Score

379

Valid from March 18, 2020 to March 17, 2023

Qualified

March 18, 2020

Signature

Prof. B. R. Chahar

Organizing Chairman, GATE 2020
(on behalf of NCB – GATE, for MHRD)

* Normalized marks for Civil Engineering and Mechanical Engineering Papers

** A candidate is considered qualified if the marks secured are greater than or equal to the qualifying marks mentioned for the category for which valid category certificate, if applicable, is produced along with this scorecard



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Qualifying in GATE 2020 does not guarantee either an admission to a post-graduate programme or a scholarship/assistantship. Admitting institutes may conduct further tests or interviews for final selection.

In the GATE 2020, the qualifying marks for a general category candidate in each paper is $\mu + \sigma$ or 25 marks (out of 100), whichever is greater, where μ is the mean and σ is the standard deviation of marks of all the candidates who appeared in the paper. The qualifying marks for OBC(NCL) and SC/ST/PwD candidates are 90% and two-third of a general category candidate in the paper respectively.

The GATE 2020 score was calculated using the formula

$$GATE\ Score = S_q + (S_t - S_q) \frac{(M - M_q)}{(\bar{M}_t - M_q)}$$

where

M is marks (out of 100) obtained by the candidate in the paper

M_q is the qualifying marks for general category candidate in the paper

\bar{M}_t is the mean of marks of top 0.1% or top 10 (whichever is greater) of the candidates who appeared in the paper (in case of multi-session papers including all sessions)

$S_q = 350$, is the score assigned to M_q

$S_t = 900$, is the score assigned to \bar{M}_t

In multi-session (Civil Engineering and Mechanical Engineering) papers, the normalized mark of j^{th} candidate in the i^{th} session \hat{M}_{ij} was computed using the formula

$$\hat{M}_{ij} = \frac{\bar{M}_t^g - M_q^g}{\bar{M}_{ti} - M_{iq}} (M_{ij} - M_{iq}) + M_q^g$$

where

M_{ij} is the actual marks obtained by the j^{th} candidate in i^{th} session

\bar{M}_t^g is the average marks of the top 0.1% of the candidates considering all sessions

M_q^g is the sum of mean and standard deviation marks of the candidates in the paper considering all sessions

\bar{M}_{ti} is the average marks of the top 0.1% of the candidates in the i^{th} session

M_{iq} is the sum of the mean marks and standard deviation of the i^{th} session

Graduate Aptitude Test in Engineering (GATE) 2020 was organised by Indian Institute of Technology Delhi on behalf of the National Coordination Board (NCB) – GATE for the Department of Higher Education, Ministry of Human Resources Development (MHRD), Government of India.

Test Report Form

ACADEMIC

NOTE Admission to undergraduate and post graduate courses should be based on the ACADEMIC Reading and Writing Modules.
GENERAL TRAINING Reading and Writing Modules are not designed to test the full range of language skills required for academic purposes.
It is recommended that the candidate's language ability as indicated in this Test Report Form be re-assessed after two years from the date of the test.

Centre Number

IN855

Date

28/SEP/2019

Candidate Number

246103

Candidate Details

Family Name

ALIAS

First Name

DEENA ANNA

Candidate ID

T3124459



Date of Birth

23/02/1997

Sex (M/F)

F

Scheme Code

Private Candidate

Country or Region
of OriginCountry of
Nationality

INDIA

First Language

MALAYALAM

Test Results

Listening

6.5

Reading

7.0

Writing

6.0

Speaking

6.5

Overall
Band
Score

6.5

CEFR
Level

B2

Administrator Comments

Centre stamp



Validation stamp

Administrator's
Signature

Date

11/10/2019

Test Report Form
Number

19IN246103ALID855A

Cambridge Assessment
English



APJ Abdul Kalam Technological University
CET Campus, Thiruvananthapuram
Kerala -695016
India

Academic Audit Report
2019 - 2020

Basic Details

Institution	VISWAJYOTHI COLLEGE OF ENGINEERING & TECHNOLOGY
First Auditor Name	Manish T I
Second Auditor Name	
Visit	First
Semester Type	Odd

College Specific Assessments

Key Aspects	Rating	Auditor Remarks	Principal's Response
Compliance to the Academic Calendar of KTU	Excellent(5)	Class/course committee meetings are conducted in accordance with KTU. Action taken report should be specific and relevant to minutes	
Functioning of students grievances and appeal committee	Good(4)	Functioning of students grievances and appeal committee meetings are conducted in accordance with KTU.	
Functioning of Academic Discipline & Welfare committee	Good(4)	Functioning of Academic Discipline & Welfare committee are in accordance with KTU.	
Facility for co- curricular and extracurricular activities	Fair(3)	Current semester there is no activities mentioned for extracurricular activities.	
Average student to faculty ratio	Good(4)	FSR 0.97	

Faculty Retention	Excellent(5)	Faculty Retention = 95%	
Faculty Qualification Index	Fair(3)	FQ>5	
Number of qualified technical staff	Good(4)	In accordance with the requirement	
Facility of central library with respect to volume and title of books, online & print journals	Excellent(5)	In accordance with the syllabus	
Functioning of IQAC and progress of IQAC report uploading	Fair(3)	IQAC is not constituted as per the new KTU guidelines.	
Principal's response on previous audit reports	Fair(3)	Previous audit report is not updated where comments are required.	

Student Interaction

Key Aspects	Rating	Auditor Remarks	Principal's Response
Syllabus coverage	Good(4)	In accordance with the syllabus	
Lab Facility and conduct of Labs	Excellent(5)	In accordance with the syllabus	
Co-curricular facility	Good(4)	In accordance with the KTU regulations	
Extra-curricular facility	Good(4)	In accordance with the KTU regulations	
All intimation from University conveyed properly in time	Good(4)	Yes, Using social media like Telegram	
Extra fees/fine imposed on students	Fair(3)	Some students are concerned about the late fee.	
Approach of the management in addressing student grievances	Fair(3)	Grievances cell are not familiar with students	
Availability of Faculty for all subjects	Excellent(5)	In accordance with the syllabus subjects	
Any other remarks	Fair(3)	Students having doubts about the revaluation eligibility for KTU	

B.Tech

No of B.Tech Students	1936
-----------------------	------

ELECTRONICS & COMMUNICATION ENGG-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Good(4)	Class/course committee meetings are conducted in accordance with KTU. Action taken report should be specific and relevant to minutes	

Advisory meetings and action taken report	Fair(3)	Advisory meetings not conducted in accordance with KTU.	
Schedule of Time Table	Good(4)	In accordance with the syllabus	
Conduct of Tutorial Classes	Good(4)	In accordance with the syllabus	
Conduct of series tests	Good(4)	In accordance with the syllabus	
Syllabus coverage of practical course	Good(4)	In accordance with the syllabus In accordance with the syllabus list of experiments	
Evaluation of students performance in practical classes	Good(4)	In accordance with the syllabus	
Conduct of Practical test	Good(4)	In accordance with the syllabus	
Facility to do experiments in the lab	Good(4)	In accordance with the syllabus	
Conduct of remedial/minor/honours classes	Good(4)	In accordance with the examination performance	
Assessment of Outcomes	Good(4)	CO assessment process is started in the higher semester.	
Faculty evaluation & remarks of the HOD	Good(4)	Faculty evaluation is done periodically.	
Facility in the department library for references	Fair(3)	There is no department library available; it is transferred to main library.	
Maintenance of course diary	Good(4)	In accordance with the college policy	
Syllabus coverage as per course plan	Good(4)	In accordance with the syllabus and KTU Calendar	

COMPUTER SCIENCE & ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Good(4)	Class/course committee meetings are conducted in accordance with KTU. Action taken report should be specific and relevant to minutes	
Advisory meetings and action taken report	Fair(3)	Advisory meetings not conducted in accordance with KTU.	
Schedule of Time Table	Good(4)	In accordance with the syllabus	
Conduct of Tutorial Classes	Excellent(5)	The conduct of tutorial class is conducted and copy of tutorials kept in the course file.	
Conduct of series tests	Good(4)	In accordance with the KTU Calendar	
Syllabus coverage of practical course	Good(4)	In accordance with the syllabus	
Evaluation of students performance in practical classes	Good(4)	In accordance with the syllabus	
Conduct of Practical test	Good(4)	In accordance with the syllabus list of experiments	
Facility to do experiments in the lab	Excellent(5)	In accordance with the college policy	
Conduct of remedial/minor/honours classes	Good(4)	In accordance with the examination performance	
Assessment of Outcomes	Good(4)	CO assessment process is done in the higher semester.	
Faculty evaluation & remarks of the HOD	Good(4)	Faculty evaluation is done periodically	
Facility in the department library for references	Fair(3)	There is no department library available; it is transferred to main library.	

Maintenance of course diary	Good(4)	In accordance with the college policy	
Syllabus coverage as per course plan	Fair(3)	Some subject the order of the module completion deviation is done.	

INFORMATION TECHNOLOGY-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Good(4)	Class/course committee meetings are conducted in accordance with KTU. Action taken report should be specific and relevant to minutes	
Advisory meetings and action taken report	Fair(3)	Advisory meetings not conducted in accordance with KTU.	
Schedule of Time Table	Good(4)	In accordance with the syllabus	
Conduct of Tutorial Classes	Good(4)	In accordance with the syllabus	
Conduct of series tests	Good(4)	In accordance with the syllabus and KTU Calendar	
Syllabus coverage of practical course	Good(4)	In accordance with the syllabus	
Evaluation of students performance in practical classes	Good(4)	In accordance with the syllabus	
Conduct of Practical test	Good(4)	In accordance with the syllabus	
Facility to do experiments in the lab	Excellent(5)	In accordance with the syllabus	
Conduct of remedial/minor/honours classes	Good(4)	In accordance with the examination performance	
Assessment of Outcomes	Good(4)	CO assessment process is started in the higher semester.	

Faculty evaluation & remarks of the HOD	Good(4)	Faculty evaluation is done periodically	
Facility in the department library for references	Fair(3)	There is no department library available; it is transferred to main library.	
Maintenance of course diary	Good(4)	In accordance with the college policy	
Syllabus coverage as per course plan	Good(4)	In accordance with the syllabus and KTU Calendar	

ELECTRICAL AND ELECTRONICS ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Good(4)	Class/course committee meetings are conducted in accordance with KTU. Action taken report should be specific and relevant to minutes	
Advisory meetings and action taken report	Fair(3)	Advisory meetings not conducted in accordance with KTU.	
Schedule of Time Table	Good(4)	In accordance with the syllabus	
Conduct of Tutorial Classes	Excellent(5)	In accordance with the syllabus	
Conduct of series tests	Excellent(5)	In accordance with the syllabus & KTU calendar	
Syllabus coverage of practical course	Excellent(5)	In accordance with the syllabus	
Evaluation of students performance in practical classes	Good(4)	Evaluation of students completed partially in the regular lab experiments	
Conduct of Practical test	Good(4)	In accordance with the syllabus list of experiments	
Facility to do experiments in the lab	Good(4)	In accordance with the syllabus	

Conduct of remedial/minor/honours classes	Good(4)	In accordance with the examination performance	
Assessment of Outcomes	Excellent(5)	Assessment of Outcomes done for first year subjects	
Faculty evaluation & remarks of the HOD	Good(4)	Faculty evaluation is done periodically. HOD remarks are provided only for non performing subjects.	
Facility in the department library for references	Fair(3)	There is no department library available; it is transferred to main library.	
Maintenance of course diary	Excellent(5)	In accordance with the college policy	
Syllabus coverage as per course plan	Excellent(5)	In accordance with the syllabus and course plan.	

MECHANICAL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Good(4)	Class/course committee meetings are conducted in accordance with KTU. Action taken report should be specific and relevant to minutes	
Advisory meetings and action taken report	Fair(3)	Advisory meetings not conducted in accordance with KTU.	
Schedule of Time Table	Good(4)	In accordance with the syllabus	
Conduct of Tutorial Classes	Good(4)	In accordance with the syllabus	
Conduct of series tests	Good(4)	In accordance with the syllabus	
Syllabus coverage of practical course	Good(4)	In accordance with the syllabus	

Evaluation of students performance in practical classes	Fair(3)	Need to complete in the regular intervals	
Conduct of Practical test	Good(4)	In accordance with the syllabus	
Facility to do experiments in the lab	Excellent(5)	In accordance with the syllabus	
Conduct of remedial/minor/honours classes	Good(4)	In accordance with the examination performance	
Assessment of Outcomes	Good(4)	CO assessment process is started in the higher semester.	
Faculty evaluation & remarks of the HOD	Good(4)	Faculty evaluation is done periodically	
Facility in the department library for references	Fair(3)	There is no department library available; it is transferred to main library.	
Maintenance of course diary	Good(4)	In accordance with the college policy	
Syllabus coverage as per course plan	Good(4)	In accordance with the syllabus and course plan.	

CIVIL ENGINEERING-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Class/course committee meetings and action taken report	Good(4)	Class/course committee meetings are conducted in accordance with KTU. Action taken report should be specific and relevant to minutes	
Advisory meetings and action taken report	Fair(3)	Advisory meetings not conducted in accordance with KTU.	
Schedule of Time Table	Good(4)	In accordance with the syllabus	
Conduct of Tutorial Classes	Good(4)	In accordance with the syllabus	

Conduct of series tests	Good(4)	In accordance with the syllabus and KTU Calendar	
Syllabus coverage of practical course	Good(4)	In accordance with the syllabus list of experiments	
Evaluation of students performance in practical classes	Good(4)	In accordance with the syllabus	
Conduct of Practical test	Good(4)	In accordance with the syllabus	
Facility to do experiments in the lab	Good(4)	In accordance with the syllabus	
Conduct of remedial/minor/honours classes	Good(4)	In accordance with the examination performance	
Assessment of Outcomes	Good(4)	Partial CO assessment is done	
Faculty evaluation & remarks of the HOD	Good(4)	Faculty evaluation is done periodically	
Facility in the department library for references	Fair(3)	There is no department library available; it is transferred to main library.	
Maintenance of course diary	Good(4)	In accordance with the college policy	
Syllabus coverage as per course plan	Fair(3)	Some subject the order of the module completion deviation is done.	

M.Tech

No of M.Tech Students	8
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ELECTRONICS AND COMMUNICATION ENGINEERING(VLSI AND EMBEDDED SYSTEMS)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of course diary	Good(4)	In accordance with the college policy	
Syllabus coverage as per course plan	Good(4)	In accordance with the syllabus	

Class committee meetings and action taken report	Good(4)	Class/course committee meetings are conducted in accordance with KTU. Action taken report should be specific and relevant to minutes	
Conduct of Seminar & Mini project	Good(4)	In accordance with the syllabus	
Conduct of Thesis	Good(4)	In accordance with the syllabus	
Faculty with Ph.D for the program	Good(4)	In accordance with KTU	
Students attending MOOC or other online courses	Good(4)	PG students attending MOOC.	
Facility in the department library for journal reference	Fair(3)	There is no department library available; it is transferred to main library.	
Computing facility in the department	Excellent(5)	In accordance with the syllabus	
Facility available in the department to do thesis work(all relevant licensed software)	Excellent(5)	In accordance with the KTU	

COMPUTER SCIENCE AND ENGINEERING(COMPUTER SCIENCE AND ENGINEERING)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of course diary	Good(4)	In accordance with the college policy	
Syllabus coverage as per course plan	Good(4)	In accordance with the syllabus	
Class committee meetings and action taken report	Good(4)	In accordance with the KTU calendar	
Conduct of Seminar & Mini project	Excellent(5)	In accordance with the syllabus	
Conduct of Thesis	Good(4)	In accordance with the syllabus	
Faculty with Ph.D for the program	Good(4)	In accordance with KTU	

Students attending MOOC or other online courses	Good(4)	PG students attending MOOC, not completed	
Facility in the department library for journal reference	Fair(3)	There is no department library available; it is transferred to main library.	
Computing facility in the department	Excellent(5)	In accordance with the syllabus	
Facility available in the department to do thesis work(all relevant licensed software)	Excellent(5)	In accordance with KTU syllabus	

MECHANICAL ENGINEERING(INDUSTRIAL ENGINEERING AND MANAGEMENT)-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of course diary	Good(4)	In accordance with the college policy	
Syllabus coverage as per course plan	Good(4)	In accordance with the syllabus	
Class committee meetings and action taken report	Good(4)	Class/course committee meetings are conducted in accordance with KTU. Action taken report should be specific and relevant to minutes	
Conduct of Seminar & Mini project	Good(4)	In accordance with the syllabus	
Conduct of Thesis	Good(4)	In accordance with the syllabus	
Faculty with Ph.D for the program	Good(4)	In accordance with KTU	
Students attending MOOC or other online courses	Good(4)	PG students attending MOOC courses.	
Facility in the department library for journal reference	Fair(3)	There is no department library available; it is transferred to main library.	
Computing facility in the department	Good(4)	In accordance with the syllabus	

Facility available in the department to do thesis work(all relevant licensed software)	Good(4)	In accordance with the KTU	
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MBA

No of MBA Students	102
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MASTERS IN BUSINESS ADMINISTRATION-(Full Time)

Key Aspects	Rating	Auditor Remarks	Principal's Response
Maintenance of course diary	Excellent(5)	In accordance with the KTU	
Syllabus coverage as per course plan	Excellent(5)	In accordance with the syllabus	
Class committee meetings and action taken report	Good(4)	Class/course committee meetings are conducted in accordance with KTU. Action taken report should be specific and relevant to minutes	
Conduct of Seminar & Mini project	Good(4)	The mark distribution of project component in the respective subjects should be more specific with subdivision.	
Conduct of Thesis	Good(4)	In accordance with the syllabus and current academic year consist of semester T1,T4	
Faculty with Ph.D for the program	Excellent(5)	Four faculty members are Ph.D holders	
Students attending MOOC or other online courses	Good(4)	Two students completed and some students are doing MOOC courses	
Facility in the department library for journal reference	Excellent(5)	Department library with required titles and volumes.	

Computing facility in the department	Excellent(5)	Department Computing facility is available for students	
Facility available in the department to do thesis work(all relevant licensed software)	Good(4)	In accordance with the syllabus	



VISWAJYOTHI

COLLEGE OF ENGINEERING & TECHNOLOGY

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Teacher Performance Evaluation X

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Teacher Performance Evaluation Form

Select Evaluation Group : TEACHER PERFORMANCE EVALUTION

Evaluate : Remya Paul : BE 101-05 - INTRODUCTION TO COMPUTING AND PROBLEM SOLVING(01/11/2017)



Sl.No	Attributes	Keys		
-: Teacher Performance				
1	Clearly explains the objectives of the course and follows the syllabus systematically.	<input type="radio"/> Strongly Agree	<input type="radio"/> Somewhat Agree	<input type="radio"/> Disagree
2	Have adequate and updated knowledge in the subject.	<input type="radio"/> Strongly Agree	<input type="radio"/> Somewhat Agree	<input type="radio"/> Disagree
3	Communicates very clearly and leaves no ambiguity.	<input type="radio"/> Strongly Agree	<input type="radio"/> Somewhat Agree	<input type="radio"/> Disagree
4	Is enthusiastic and able to get best attention of the students.	<input type="radio"/> Strongly Agree	<input type="radio"/> Somewhat Agree	<input type="radio"/> Disagree
5	Has reasonably good command in the language and the flow of presentation is attractive.	<input type="radio"/> Strongly Agree	<input checked="" type="radio"/> Somewhat Agree	<input type="radio"/> Disagree
6	Presents the ideas in an interesting manner and stimulates interest in the subject.	<input type="radio"/> Strongly Agree	<input type="radio"/> Somewhat Agree	<input type="radio"/> Disagree
7	Sessions are well planned with opportunity to ask questions and time managed efficiently.	<input type="radio"/> Strongly Agree	<input type="radio"/> Somewhat Agree	<input type="radio"/> Disagree
8	Utilizes educational resources effectively (blackboard, videos, slides, etc) and uses appropriate instructional materials to facilitate understanding of class.	<input type="radio"/> Strongly Agree	<input type="radio"/> Somewhat Agree	<input type="radio"/> Disagree
9	Is regular in taking classes and completes syllabus in time.	<input type="radio"/> Strongly Agree	<input type="radio"/> Somewhat Agree	<input type="radio"/> Disagree
10	Shows concern for the development of the students and keeps a friendly and healthy relationship with students.	<input type="radio"/> Strongly Agree	<input type="radio"/> Somewhat Agree	<input type="radio"/> Disagree
11	Able to maintain proper discipline in the class.	<input type="radio"/> Strongly Agree	<input type="radio"/> Somewhat Agree	<input type="radio"/> Disagree

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