



# JAGADAMBHA

## COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL

### INDEX

**1.1.1 : The Institution ensures effective curriculum delivery through a well planned and documented process**

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**Principal**

Jagadambha Collage of Engineering &  
Technology Arni Road, Kinhi, Yavatmal



## NOTICE

Date:05/08/2020

It is hereby informed to all the Head of Department that Online Zoom Meeting is to be scheduled on **06/08/2020** at 11.00 am. The Agenda of the meeting is planning of various academic activities for Odd Semester Session 2020-2021.

### Agenda of Meeting:

1. To discuss the various issues related to the academic planning in the pandemic situation.
2. To discuss about the planning of various certificate courses.
3. Other issues with the permission of chair.

Principal

Dr. H. M. Baradkar

**Principal**

**Jagadambha Collage of Engineering &  
Technology Arni Road, Kinhi, Yavatmal**

Copy to all Departments

1. Electronics and Telecommunication Dept.
2. Mechanical Dept.
3. Civil Dept.
4. Electrical Dept.
5. Computer Dept.
6. First Year



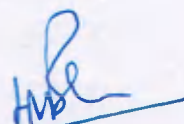
## MINUTES OF MEETING

Date:06/08/2020

Meeting of all HODs & Principal is held on 06/08/2020 at 11.00 am on Google Zoom, for planning of various issues related to curriculum delivering & planning for Odd Semester Session 2020-2021.

### **It is Decided that:-**

1. Dean Academic prepares the Academic Calender of Odd Semester Session 2020-2021. Departmental academic calender is to be prepared also.
2. Work Load & Subject Distribution must be done by respective HODs through proper procedure & coordination.
3. Lecture plan must be prepared by concern subject teacher & should be duly verified by respective HODs.
4. Course File must be maintained by Subject teacher & should be duly verified by respective HODs.
5. Feedback related to curriculum must be taken from student, Subject teacher, Alumni and employers. Any suggestion received must be effectively addressed.
6. Student's participation must be increased to attend the online classes of respective subjects.
7. It requires adding more number of cultural and sport events in Annual Social Gathering, Planning of the same will be done by Dean development & Cultural Activity.
8. Planning of Guest Lectures, local industrial Visits, field projects must be done & activity should be accordingly arranged in each department.








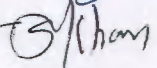
Principal

Dr. H. M. Baradkar

**Principal**

**Jagadambha Collage of Engineering & Technology Arni Road, Kinhi, Yavatmaj**

Copy to all Departments

1. Electronics and Telecommunication Dept. 
2. Mechanical Dept. 
3. Civil Dept. 
4. Electrical Dept. 
5. Computer Dept. 
6. First Year 



## NOTICE

Date:08/01/2021

It is hereby informed to all the Head of Department that Online Zoom Meeting is to be scheduled on **08/01/2021** at 1.00 pm. The Agenda of the meeting is planning of various academic activities for even Semester Session 2020-2021.

### Agenda of Meeting:

1. To discuss the various issues related to the academic planning in the pandemic situation for the even semester of academic session 2020-2021
2. To discuss about the planning of various programmes such as Annual Social Gathering,
3. To discuss about preparation & student participation in National Level Technical event, Xplore-21.
4. To arrange various sports activities in Annual Social Gathering Wings-21.
5. Other issues with the permission of chair.

Principal

Dr. H. M. Baradkar

**Principal**

**Jagadambha Collage of Engineering &  
Technology Arni Road, Kinhi, Yavatmal.**

Copy to all Departments

1. Electronics and Telecommunication Dept.
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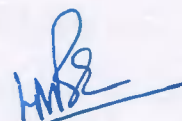
## MINUTES OF MEETING

Date:08/01/2021

Meeting of all HODs & Principal is held on 08/01/2021 at 1.00 pm on Google Zoom, for planning of various issues related to curriculum delivering & planning for even Semester Session 2020-2021.

### **It is Decided that:**

1. Dean Academic prepares the Academic Calender of even Semester Session 2020-2021. Departmental academic calender is to be prepared also.
2. Work Load & Subject Distribution must be done by respective HODs through proper procedure & coordination.
3. Lecture plan must be prepared by concern subject teacher & should be duly verified by respective HODs.
4. Course File must be maintained by Subject teacher & should be duly verified by respective HODs.
5. Feedback related to curriculum must be taken from student, Subject teacher, Alumni and employers. Any suggestion received must be effectively addressed.
6. Student's participation must be increased to attend the online classes of respective subjects.
7. It requires adding more number of cultural and sport events in Annual Social Gathering, Planning of the same will be done by Dean development & Cultural Activity.
8. Student's participation must be increased in National Level Technical Event Xplore-21, for live projects. Each HOD will take the necessary initiative.
9. Planning of Guest Lectures, local industrial Visits, field projects and internships must be done & activity should be accordingly arranged in each department.




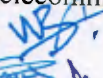

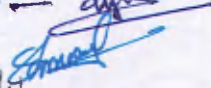
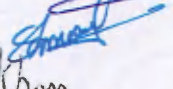
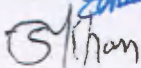
Principal

Dr. H. M. Baradkar

**Principal**

**Jagadambha Collage of Engineering & Technology Arni Road, Kinhi, Yavatmal**

Copy to all Departments

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5. Computer Dept. 
6. First Year 



**All the HODs should observe the following activities in their respective departments**

- 1) At the time of distribution of workload for session 2020-21, following things should be considered
  - a) Subject distribution must be as per choice given by the concerned faculty member
  - b) On allotment of subject notes and study material availability should be collected from faculty within seven days and must be handwritten on each unit as per syllabus of S.G.B.A. University.
- 2) All the faculty members in your department must attend the classes of English communication in the summer holidays and proof of the same should be submitted at the start of next academic session 2021-22.
- 3) All the faculty members in your department must attend the classes of Handwriting Improvement in the summer holidays and proof of the same should be submitted at the start of next academic session 2021-22.
- 4) List of first five toppers in respective classes along with marks obtained in Winter-2020 examination must be submitted within two days by HOD to Principal office.
- 5) Identification of best students must be done by HOD with the help of Class in-charges so as to take extra efforts for improvement in result.
- 6) Subject teachers must give 10 important questions to the students and make the students assure that from the above 10 questions will appear in Sessional examination.
- 7) All the HODs must conduct the meeting of students and inform those regarding fees deposition policy for session 2020-21. Video recording of the meeting must be submitted to principal office.
- 8) Faculty members of respective department must be instructed to be responsive for various posts on Face book & Whatsapp.



Principal  
JCOET, Yavatmal

**Jagadambha College of Engineering & Technology, Yavatmal**  
**Department of Electrical Engineering**  
**Workload Distribution ( SESSION 2020-21 (Odd Sem))**

DATE:- 13/08/2020

Sr. No.	Name	Branch	Class (Sem)	Subject	Th.	Th. (Extra)	Pr.	Tut	T	Total
1	Prof. V.G.Neve	ELECT.	7TH SEM	EP-II	4	0	2	0	6	10
		ELECT.	7TH SEM	project Seminar	4	0	0	0	4	
2	Prof .M.D.HEDAU	ELECT.	5TH SEM	EM-II	4	0	4	0	8	14
		ELECT	7TH SEM	EP-II	0	0	2	0	2	
		ELECT	7TH SEM	project Seminar	4	0	0	0	4	
3	Prof .P.S.WANKHADE	ELECT.	7TH SEM	CMPSA	4	0	0	0	4	16
		ELECT.	3RD SEM	EMI	4	0	4	0	8	
		ELECT.	7TH SEM	project Seminar	4	0	0	0	4	
4	Prof .A.A.Zade	ELECT.	7TH SEM	CS-II	4	0	0	0	4	16
		ELECT.	5TH SEM	CS-I	4	0	4	0	8	
		ELECT.	7TH SEM	project Seminar	4	0	0	0	4	
5	Prof .P.H.Kadam	ELECT.	3RD SEM	ERG	4	0	0	0	4	16
		ELECT	7TH SEM	SGP	4	0	4	0	8	
		ELECT.	7TH SEM	project Seminar	4	0	0	0	4	
6	Prof. V.D.Chikate (CHB)	ELECT	5TH SEM	SS	4	0	0	0	4	8
		ELECT	3RD SEM	EDC	0	0	4	0	4	
7	Prof. S.A.Shriwas	ELECT.	3RD SEM	NA	4	0	4	1	9	13
		ELECT.	7TH SEM	project Seminar	4	0	0	0	4	
8	Prof. C.H.Kidile	1ST Year	1st SEM	BEE	4	0	4	1	9	16
		EXTC	5TH SEM	EAM	3	0	0	0	3	
		ELECT.	7TH SEM	project Seminar	4	0	0	0	4	
9	Prof. D.P.Charade	ELECT.	7TH SEM	PSOC	4	0	0	0	4	14
		ELECT.	3RD SEM	EVS	2	0	0	0	2	
		1ST Year	1st SEM	BEE	0	0	4	0	4	
		ELECT	7TH SEM	project Seminar	4	0	0	0	4	
<b>Total</b>										<b>123</b>

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TIME TABLE INCHARGE  
ELECTRICAL ENGG. DEPT.

*[Signature]*

HOD  
ELECTRICAL ENGG. DEPT.

*[Signature]*

Dean Academic  
JE YAVATMAL

*[Signature]*

PRINCIPAL  
JE YAVATMAL



*[Signature]*

Principal  
Jagadambha Collage of Engineering &  
Technology Arni Road, Kinhi, Yavatmal

**Jagadamba College of Engineering & Technology, Yavatmal**  
**Department of Electrical Engineering**  
**Workload Distribution ( SESSION 2020-21 (Even Sem))**

DATE:-14/01/2021

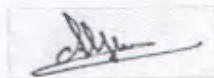
Sr. No.	Name	Branch	Class (Sem)	Subject	Th.	Pr.	Tut	T	Total
1	Prof. Dr.V.G.Neve	ELECT.	8TH SEM	DSP	4	4	0	8	14
		ELECT.	8TH SEM	PROJ & SEM	6	0	0	6	
2	Prof .M.D.Hedau	ELECT.	6TH SEM	CAMD	4	6	0	10	20
		ELECT.	4TH SEM	EMI	4	0	0	4	
		ELECT.	8TH SEM	PROJ & SEM	6	0	0	6	
3	Prof .P.S.Wankhade	ELECT.	4TH SEM	EMF	4	0	1	5	21
		ELECT.	6TH SEM	EP-I	4	0	0	4	
		ELECT.	4TH SEM	EMI	0	6	0	6	
		ELECT.	8TH SEM	PROJ & SEM	6	0	0	6	
4	Prof .A.A.Zade	ELECT.	8TH SEM	PSS	4	0	0	4	20
		ELECT.	4TH SEM	PS-I	4	6	0	10	
		ELECT.	8TH SEM	PROJ & SEM	6	0	0	6	
5	Prof .P.H.Kadam	ELECT.	6TH SEM	EEU	4	6	0	10	20
		ELECT.	8TH SEM	ED&C	4	0	0	4	
		ELECT.	8TH SEM	PROJ & SEM	6	0	0	6	
6	Prof. S.A.Shriwas	MECH.	4TH SEM	BEDC	4	6	0	10	20
		ELECT.	4TH SEM	SS	4	0	0	4	
		ELECT.	8TH SEM	PROJ & SEM	6	0	0	6	
7	Prof. C.H.Kidile	1ST YEAR	1ST SEM	BEE	4	6	1	11	20
		MECH.	6TH SEM	PSS	3	0	0	3	
		ELECT.	8TH SEM	PROJ & SEM	6	0	0	6	
8	Prof.D.P.Charade	ELECT.	8TH SEM	HVE	4	0	0	4	20
		MECH.	6TH SEM	OPT	4	0	0	4	
		ELECT.	4TH SEM	ETI (LAB)	0	6	0	6	
		ELECT.	8TH SEM	PROJ & SEM	6	0	0	6	
<b>Total</b>									155



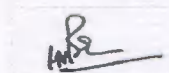
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HOD  
ELECTRICAL ENGG. DEPT.



DEAN ACADEMIC  
JE YAVATMAL



PRINCIPAL  
JE YAVATMAL



Principal  
Jagadamba Collage of Engineering &  
Technology Arni Road, Kinhi, Yavatmal






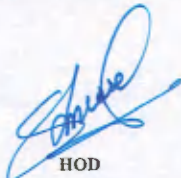
**JAGADAMBHA COLLEGE OF ENGINEERING AND TECHNOLOGY, YAVATMAL**

**COMPUTER ENGINEERING DEPARTMENT**


**Load Distribution (SESSION 2020-2021 ODD SEM)**

Sr. No.	Name of Staff	B.E. / M. E.	Year/Sem	Subject	Th.	Tu.	Pr.	Project	Seminar	Total
1	PROF. S.A.MURAB	B.E.	VII	CN	4	0	4	4	0	16
		M.E.	I	OSD	4	0	0	0	0	
2	PROF. P.D.THAKARE	B.E.	V	FSDP	4	1	0	0	0	17
			VII	Proj	0	0	0	4	0	
		M.E.	IST YR	CP	0	0	4	0	0	
			I	DP	4	0	0	0	0	
3	PROF.R.K.SOLANKI	B.E.	VII	AI	4	0	0	4	0	17
			III	DIS	4	1	0	0	0	
		M.E.	I	ACA	4	0	0	0	0	
4	PROF. A.V.MAHALLE	B.E.	III	CO	4	0	0	0	2	19
				C-LAB-I	1	0	4	0	0	
		M.E.	VII	Proj	0	0	0	4	0	
			I	ESD	0	0	4	0	0	
5	PROF. A.M.DHORE	B.E.	III	EVS	2	0	0	0	0	21
			V	STLD	4	1	4	0	0	
			VII	Proj	0	0	0	4	0	
			IST YR	CP	0	0	4	0	0	
		M.E.	I	ESD	4	0	0	0	0	
6	PROF. R.M.RAUT	B.E.	V	SS	4	0	4	0	0	16
			VII	MCOM	4	0	0	4	0	
7	PROF. R.V.DESHMUKH	B.E.	V	DC	4	0	0	0	2	22
			VII	MCOM	0	0	4	4	0	
			IST YR	CP	0	0	4	0	0	
		M.E.	I	ALGO	4	0	0	0	0	
8	PROF. R.S.SAWANT	B.E.	VII	Proj	0	0	0	4	0	16
			IST YR	CP	10	2	0	0	0	
9	PROF. K.L.CHAVHAN	B.E.	VII	M&I	3	1	4	4	0	17
				SS	4	1	0	0	0	
10	PROF.A.A.KOLPYAKWAR	B.E.	III	PM	4	0	4	0	2	22
			VII	Proj	0	0	0	4	0	
		M.E.	IST YR	CP	0	0	4	0	0	
			I	DP	0	0	4	0	0	
Total load										183

  
TIMETABLE INCHARGE  
COMPUTER ENGG. DEPT.

  
HOD  
(Comp.Engg.Dept.)

  
DEAN ACADEMIC  
JE YAVATMAL

  
PRINCIPAL  
JE YAVATMAL



**JAGADAMBHA COLLEGE OF ENGINEERING AND TECHNOLOGY, YAVATMAL**  
**COMPUTER ENGINEERING DEPARTMENT**  
**Load Distribution (SESSION 2020-2021 EVEN SEM)**

Sr. No	Name of Staff	B.E.	Year/Se m	Subject	Th.	Tu.	Pr.	Projec t	Semin ar	Total
1	PROF. S.A.MURAB	B.E.	VIII	SE	4			4		12
			IST YR	CP			4			
2	PROF. P.D.THAKARE	B.E.	IV	ENV. STUDIES (T)	2					15
			VI	CRM(T)	4					
				C-LAB IV(T+P)	1		4			
			VIII	PROJECT GRP				4		
3	PROF.R.K.SOLANKI	B.E.	IV	TOC(T)	3	1				16
			VI	PE(T) + OS(P)	2		4			
			VIII	PROJECT GRP				4		
			IST YR	CP			2			
4	PROF. A.V.MAHALLE	B.E.	IST YR	CP	10		4			18
			VIII	PROJECT GRP				4		
5	PROF. A.M.DHORE	B.E.	IV	CN(T & P)	3		8			19
			IV	JAVA (T) (EXTC)	4					
			VIII	PROJECT GRP				4		
6	PROF. R.M.RAUT	B.E.	IV	OS(T&P)	3		8			19
			VI	OS(T&P)	4					
			VIII	PROJECT GRP				4		
7	PROF. R.V.DESHMUKH	B.E.	VI	DBS(T+P)	4		4			20
			IV	C-skill (P)			8			
			VIII	PROJECT GRP				4		
8	PROF. R.S. SAWANT	B.E.	IV	AI(T)	3					19
			VIII	MMT(T) + DSP (P) + PROJECT GRP	4		4	4		
			IST YR	CP			4			
10	PROF. K.L.CHAVHAN	B.E.	IV	M&I(T&P)	3		8			19
			VIII	DSP( T & P)	4					
				PROJECT GROUP			4			
12	PROF.A.A.KOLPYAKWAR	B.E.	VI	CA(T)	4					18
			VIII	ES (T & P). PROJECT GRP	4		4	4		
			IST YR	CP			2			



*[Signature]*  
Time Table I/C

*[Signature]*  
H.O.D  
(Comp.Engg.Dept.)

*[Signature]*  
Principal  
JE, Yavatmal

# JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL

Approved by AICTE, Recognised by DTE & Affiliated to S.G.B. Amravati University, Amravati

## DEPARTMENT OF ELECTRICAL ENGINEERING TIME-TABLE 2020-2021 (ODD SEMESTER) ONLINE MODE

Third Year - 5th Sem

Class Incharge:- Prof.M.D.Hedau

W.E.F 17/08/2020

DAY/TIME	10.30 To 11.15	11.30 To 12.15	12.16 To 1.00	1.00 To 1.45	2.00 To 2.45
MON	SS (SAS)	Free Elective-CE (DVP)	L U N C H  B R E A K	EM-II (MDH)	CS -I (AAZ)
TUE	SS (SAS)	Free Elective-CE (DVP)		EM-II (MDH)	CS -I (AAZ)
WED	SS (SAS)	MPMC (SDK)		EM-II (MDH)	Free Elective-CE (DVP)
THU	SS (SAS)	MPMC (SDK)		Free Elective-CE (DVP)	CS -I (AAZ)
FRI	MPMC (SDK)	MPMC (SDK)		EM-II (MDH)	CS -I (AAZ)
SAT					

MDH  
AAZ  
VDC  
SDK  
DVP

M.D.Hedau  
A.A.Zade  
V.D.Chikate  
S.D.Kale  
D.V.Pohare

Batch T1- RollNo. 1 To 30

Batch T2- RollNo. 31 To onward



*[Signature]*  
TIME TABLE INCHARGE  
ELECTRICAL ENGG. DEPT.

*[Signature]*  
HOD  
ELECTRICAL ENGG. DEPT.

*[Signature]*  
Dean Academic  
JE YAVATMAL

*[Signature]*  
Principal  
JE YAVATMAL

*[Signature]*  
Principal

Jagadamba Collage of Engineering  
Technology Arni Road, Yavatmal

# JAGADAMBHA

## COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL

Approved by AICTE, Recognised by DTE & Affiliated to S.G.B. Amravati University, Amravati

### DEPARTMENT OF ELECTRICAL ENGINEERING TIME-TABLE 2020-2021 (ODD SEMESTER)

Final Year - 7th Sem

Class Incharge:- Prof.P.S.Wankhade

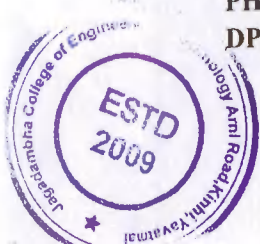
W.E.F 17/08/2020


DAY/TIME	10.30 To 11.15	11.30 To 12.15	12.16 To 1.00	1.00 To 1.45	2.00 To 2.45
MON	PSOC (DPC)	EP-II (VGN)	L U N C H  B R E A K	CMPSA (PSW)	SGP (PHK)
TUE	CMPSA (PSW)	EP-II (VGN)		CS-II (AAZ)	SGP (PHK)
WED	PSOC (DPC)	EP-II (VGN)		CS-II (AAZ)	SGP (PHK)
THU	CS-II (AAZ)	EP-II (VGN)		CMPSA (PSW)	PSOC (DPC)
FRI	CS-II (AAZ)	SGP (PHK)		PSOC (DPC)	CMPSA (PSW)
SAT					


VGN  
PSW  
AAZ  
PHK  
DPC

V.G.Neve  
P.S.Wankhade  
A.A.Zade  
P.H.Kadam  
D.P.Charade

Batch T1- RollNo. 1 To 20  
Batch T2- RollNo. 21 To 40



  
TIME TABLE INCHARGE  
ELECTRICAL ENGG. DEPT.

  
HOD  
ELECTRICAL ENGG. DEPT.

  
Dean Academic  
JE YAVATMAL

  
Principal  
JE YAVATMAL

  
Principal  
Jagadambha Collage of Engineering  
Technology Arni Road, Kinhi, Yavatmal

# JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL

Approved by AICTE, Recognised by DTE & Affiliated to S.G.B. Amravati University, Amravati

## DEPARTMENT Of ELECTRICAL ENGINEERING TIME-TABLE 2020-2021 (ODD SEMESTER) ONLINE MODE

Third Year - 3rd Sem

Class Incharge:- Prof.M. D.Hedau

DAY/TIME	W.E.F 04/01/2021				
	10.30 To 11.15	11.30 To 12.15	12.16 To 1.00	1.00 To 1.45	2.00 To 2.45
MON	NA (SAS)	ERG (PHK)	L U N C H  B R E A K	EMI (PSW)	M-III (NKC)
TUE	M-III (NKC)	ERG (PHK)		NA (SAS)	EDC (ARD)
WED	EDC (ARD)	NA (SAS)		EMI (PSW)	EVS (DPC)
THU	EDC (ARD)	NA (SAS)		ERG (PHK)	EMI (PSW)
FRI	EMI (PSW)	ERG (PHK)		EVS (DPC)	EDC (ARD)
SAT					

PSW  
PHK  
SAS  
ARD  
DPC

P.S.Wankhade  
P.H.Kadam  
S.A.Shriwas  
A.R.Dudhe  
D.P.Charade

Batch S1- RollNo. 1 To 25  
Batch S2- RollNo. 25 To onward



*[Signature]*  
TIME TABLE INCHARGE  
ELECTRICAL ENGG. DEPT.

*[Signature]*  
HOD  
ELECTRICAL ENGG. DEPT.

*[Signature]*  
Dean Academic  
JE YAVATMAL

*[Signature]*  
Principal  
JE YAVATMAL

*[Signature]*  
Jagadambha Coll  
Technology Amri



Jagadamba Bahuuddeshiya Gramin Vikas Sanstha's  
**JAGADAMBHA**  
**COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL**



Approved by AICTE, Recognized by DTE & Affiliated to S.G.B. Amravati University, Amravati

**ELECTRONICS & TELECOMMUNICATION ENGINEERING DEPARTMENT**

Class: Second Year

Session: 2020-2021

Room No.: Rotating

Date: 04/01/2021

TIME	10.30 AM to 11.30 AM	11.30 AM to 12.20 PM	12.20 PM to 12.45 PM	12.45 PM to 01.45 PM	01.45 PM to 02.45 PM	02.45 PM to 3.00 PM	3.00 PM to 4.00 PM	4.00 PM to 5.00 PM		
DAY	EDC Lab (PRP)		R E C E S S	EDC (PRP)	DSD (VKB)	R E C E S S	EM-III (APM)	EVS (VRT)		
MON	EDC Lab (PRP)			R E C E S S	EDC (PRP)		DSD (VKB)	R E C E S S	EM-III (APM)	EVS (VRT)
TUE	OOP (ARD)	EMW (SDK)			DSD Lab (VKB)		DSD (VKB)		EM-III (APM)	
WED	Electronics Workshop (ARD)				EDC (PRP)		EMW (SDK)		OOP (ARD)	Library
THR	EM-III (APM)	EDC (PRP)			SEMINAR		DSD (VKB)		EM-III (APM)	
FRI	OOP Lab (ARD)				EDC (PRP)		EMW (SDK)		OOP (ARD)	EVS (VRT)
SAT	OOP (ARD)	DSD (VKB)			EMW (SDK)		EM-III (APM)		Mini Project	

Batch :- Roll No. 1 to Onwards

Note: If any discrepancy, please informed to T. T. Incharge



Prof. S. D. Kale  
 Time Table Incharge

Prof. V. K. Barbudhe  
 H.O.D., E&TC Engg. Deptt.

Prof. Dr. V. G. Neve  
 Dean Academic

Dr. H. M. Baradkar  
 Principal



Jagadamba Bahuuddeshiya Gramin Vikas Sanstha's  
**JAGADAMBHA**  
**COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL**



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**ELECTRONICS & TELECOMMUNICATION ENGINEERING DEPARTMENT**

Class: Third Year

Session: 2020-2021

Room No.: 111

Date: - 17/08/2020

TIME	10.30 AM to 11.30 AM	11.30 AM to 12.20 PM	12.20 PM to 12.45 PM	12.45 PM to 01.45 PM	01.45 PM to 02.45 PM	02.45 PM to 3.00 PM	3.00 PM to 4.00 PM	4.00 PM to 5.00 PM	
MON	FE-EAM (CHK)	MPMC (ARD)	R E C E S S	CE-II (ARD)	PE&D (HMB)	R E C E S S	S. D. Lab - III T1 (SDK) MPMC Lab T2 (ARD)		
TUE	AE-II Lab T1 (VRT) PE&D Lab T2 (HMB)			MPMC (ARD)	AE-II (VRT)		S. D. Lab - III T2 (SDK) MPMC Lab T1 (ARD)		
WED	FE-EAM (CHK)	AE-II (VRT)		PE&D (HMB)	CE-II (ARD)		S. D. Lab - III (SDK)	Library	
THR	AE-II Lab T2 (VRT) PE&D Lab T1 (HMB)			MPMC (ARD)	AE-II (VRT)		MPMC (ARD)	CE-II (SDK)	
FRI	FE-EAM (CHK)	AE-II (VRT)		SEMINAR			PE&D (HMB)	S. D. Lab - III (SDK)	
SAT	CE-II (SDK)	AE-II (VRT)		PE&D (HMB)	MPMC (ARD)		Mini Project		

Batch :- Roll No. 1 to Onwards

Note: If any discrepancy, please informed to T. T. Incharge

  
Prof. S. D. Kale

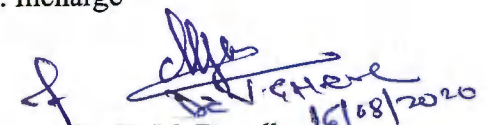
Time Table Incharge

  
Prof. V. K. Barbudhe

H.O.D., E&TC Engg. Deptt.

  
Prof. Dr. V. G. Neve

Dean Academic

  
Dr. H. M. Baradkar

Principal





Jagadamba Bahuuddeshiya Gramin Vikas Sanstha's  
**JAGADAMBHA**  
**COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL**



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**ELECTRONICS & TELECOMMUNICATION ENGINEERING DEPARTMENT**

Class: Fourth Year

Session: 2020-2021


Room No.: 110

Date: - 17/08/2020

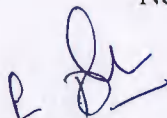
TIME	10.30 AM to 11.30 AM	11.30 AM to 12.20 PM	12.20 PM to 12.45 PM	12.45 PM to 01.45 PM	01.45 PM to 02.45 PM	02.45 PM to 3.00 PM	3.00 PM to 4.00 PM	4.00 PM to 5.00 PM	
MON	VLSI DESIGN (SDK)	DIP (VKB)	R E C E S S	VLSI Design Lab (SDK)		R E C E S S	IMQC (VRT)	S. D. Lab - V (VKB)	
TUE	DIP (VKB)	SOFC (PRP)		VLSI DESIGN (SDK)	CO (HMB)		IMQC (VRT)	S. D. Lab - V (VKB)	
WED	VLSI DESIGN (SDK)	SOFC (PRP)		S. D. Lab - V (VKB)			CO (HMB)	IMQC (VRT)	
THR	DIP (VKB)	VLSI DESIGN (SDK)		SOFC (PRP)	CO (HMB)		IMQC (VRT)	Library	
FRI	VLSI DESIGN (SDK)	SOFC (PRP)		CO (HMB)	DIP (VKB)		PROJECT & SEMINAR		
SAT	SEMINAR			PROJECT & SEMINAR					

Batch :- Roll No. 1 to Onwards


Note: If any discrepancy, please informed to T. T. Incharge

  
 Prof. S. D. Kale


Time Table Incharge

  
 Prof. V. K. Barbudhe

H.O.D., E&TC Engg. Deptt.

  
 Prof. Dr. V. G. Neve

Dean Academic

  
 Dr. H. M. Baradkar

Principal





# JAGADAMBHA

## COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL

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### DEPARTMENT OF MECHANICAL ENGINEERING TIME-TABLE 2020-2021 (ODD SEMESTER) ONLINE MODE

Third Year - 3rd Sem


Class Incharge:- Prof. A. B. SAMARTH

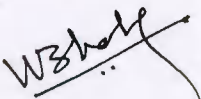
W.E.F. 04/01/2021


DAY/TIME	10.30 To 11.15	11.30 To 12.15	12.16 To 1.00	1.00 To 1.45	2.00 To 2.45
MON	MOM (KNK)	ETD (ABD)	L U N C H  B R E A K	FP I (ABS)	MP I (SSB)
TUE	MP I (SSB)	FP I (ABS)		ETD (ABD)	M III (NKC)
WED	M III (NKC)	ETD (ABD)		FP I (ABS)	MP I (SSB)
THU	ETD (ABD)	MOM (KNK)		FP I (ABS)	M III (NKC)
FRI	MOM (KNK)	MP I (SSB)		ETD (ABD)	M III (NKC)
SAT	M III (NKC)	MOM (KNK)			


ABD  
KNK  
ABS  
SSB  
NKC

A. B. DHUMNE  
K. N. KALASPURKAR  
A. B. SAMARTH  
S. S. BELE  
N. K. CHOUKADE

  
TIME TABLE INCHARGE  
MECHANICAL ENGG. DEPT.

  
HOD  
MECHANICAL ENGG. DEPT.

  
Dean Academic  
J.E., YAVATMAL

  
Principal  
J.E., YAVATMAL

  
Principal



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## COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL

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### DEPARTMENT OF MECHANICAL ENGINEERING TIME-TABLE 2020-2021 (ODD SEMESTER)

Final Year - 7th Sem


Class Incharge:- Prof. B. K. CHAVHAN

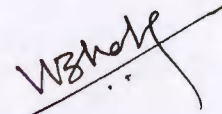
W.E.F 17/08/2020


DAY/TIME	10.30 To 11.15	11.30 To 12.15	12.16 To 1.00	1.00 To 1.45	2.00 To 2.45
MON	MDD II (BKC)	TE (SSB)	L U N C H  B R E A K	EC II (ABD)	AE (KNK)
TUE	AE (KNK)	IM&C (VLB)		EC II (ABD)	MDD II (BKC)
WED	IM&C (VLB)	TE (SSB)		AE (KNK)	EC II (ABD)
THU	IM&C (VLB)	TE (SSB)		EC II (ABD)	AE (KNK)
FRI	IM&C (VLB)	MDD II (BKC)		EC II (ABD)	TE (SSB)
SAT					


VLB  
BKC  
ABD  
KNK  
SSB


V. L. BHAMBERE  
B. K. CHAVHAN  
A. B. DHUMNE  
K. N. KALASPURKAR  
S. S. BELE

  
TIME TABLE INCHARGE  
MECHANICAL ENGG. DEPT.

  
HOD  
MECHANICAL ENGG. DEPT.

  
Dean Academic  
J.E., YAVATMAL

  
Principal  
J.E., YAVATMAL

  
Principal  
Jagadambha Collage of Engineering &  
Technology Arni Road, Kinhi, Yavatmal  
Page 17



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### DEPARTMENT OF MECHANICAL ENGINEERING TIME-TABLE 2020-2021 (ODD SEMESTER) ONLINE MODE

Third Year - 5th Sem

Class Incharge:- Prof. A. M. SHENDE

W.E.F 17/08/2020

DAY/TIME	10.30 To 11.15	11.30 To 12.15	12.16 To 1.00	1.00 To 1.45	2.00 To 2.45
MON	HT (AMS)	TOM I (BKC)	L U N C H  B R E A K	MS (AMS)	PT (ABS)
TUE	PT (ABS)	HT (AMS)		MS (AMS)	Free Elective-BBC (SDM)
WED	TOM I (BKC)	HT (AMS)		Free Elective-BBC (SDM)	MS (AMS)
THU	HT (AMS)	PT (ABS)		Free Elective-BBC (SDM)	TOM I (BKC)
FRI	HT (AMS)	MS (AMS)		PT (ABS)	TOM I (BKC)
SAT					

AMS  
BKC  
ABS  
SDM

A. M. SHENDE3  
B. K. CHAVHAN  
A. B. SAMARTH  
S. D. MISHRA



*(Signature)*  
TIME TABLE INCHARGE  
MECHANICAL ENGG. DEPT.

*(Signature)*  
HOD  
MECHANICAL ENGG. DEPT.

*(Signature)*  
Dean Academic  
J.E., YAVATMAL

*(Signature)*  
Principal  
J.E., YAVATMAL

*(Signature)*  
Principal  
Jagadambha Collage of Engineering &  
Technology Arni Road, Kinhi, Yavatmal

**JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL**  
FIRST YEAR ENGINEERING DEPARTMENT

**TIME TABLE**

**SECTION -A**

**GROUP-B Sem-II**

**CLASS INCHARGE- Prof. C.H.KIDILE**

**SEMESTER: SECOND**

DAY/TIME	11.00am -12.00pm	1.00pm-2.00pm
MONDAY	MATHEMATICS-II (APM)	ENGINEERING GRAPHICS (MAK)
TUESDAY	MATHEMATICS-II (APM)	ENGINEERING CHEMISTRY (MBW)
WEDNESDAY	ELECTRICAL ENGINEERING (CHK)	ENGINEERING CHEMISTRY (MBW)
THURSDAY	ELECTRICAL ENGINEERING (CHK)	ENGINEERING GRAPHICS (MAK)
FRIDAY	MATHEMATICS-II (APM)	ENGINEERING CHEMISTRY (MBW)
SATURDAY	ELECTRICAL ENGINEERING (CHK)	ENGINEERING GRAPHICS (MAK)

APM            Prof.A.P.Manglekar  
CHK            Prof. C.H.Kidile  
MBW           Dr.M.B.Wasu  
MAK            Prof.M.A.Khan

**JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL**  
FIRST YEAR ENGINEERING DEPARTMENT

**TIME TABLE**

**SEMESTER: SECOND**

**SECTION -B**

**CLASS INCHARGE- Prof.U. C.ADE**

**GROUP-A SEM-II**

DAY/TIME	11.00am -12.00pm	1.00pm-2.00pm
MONDAY	ENGG.MECHANICS(SSL)	COMPTER PROGRAMMING(RVS)
TUESDAY	ENGG.MECHANICS(SSL)	ENGG. PHYSICS (UCA)
WEDNESDAY	MATHEMATICS-I (NKC)	COMPTER PROGRAMMING(RVS)
THURSDAY	ENGG. PHYSICS (UCA)	MATHEMATICS-I (NKC)
FRIDAY	ENGG.MECHANICS(SSL)	ENGG. PHYSICS (UCA)
SATURDAY	MATHEMATICS-I (NKC)	COMPTER PROGRAMMING(RVS)

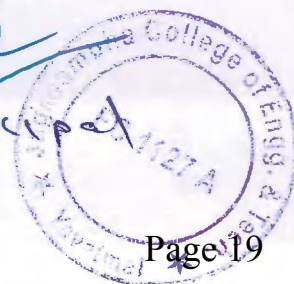
UCA            Prof.U.C.Ade  
RVS            Prof.R.V.Savant  
NKC            Prof.N.K.Chaukade  
SSL            Prof.S.S.Ladvikar

*Time table  
Coordinator*

*SKhan  
Istye  
IIC*

*Devichan  
Dean  
Academic*

*Principal*



**JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL**  
**FIRST YEAR ENGINEERING DEPARTMENT**

**TIME TABLE**

SEMESTER: SECOND

**SECTION -B**

CLASS INCHARGE- Prof. C.H.KIDILE

GROUP-B Scm-I

DAY/TIME	11.00am -12.00pm	1.00pm-2.00pm
MONDAY	MATHEMATICS-II (APM)	ENGINEERING GRAPHICS (MAK)
TUESDAY	MATHEMATICS-II (APM)	ENGINEERING CHEMISTRY (MBW)
WEDNESDAY	ELECTRICAL ENGINEERING (CHK)	ENGINEERING CHEMISTRY (MBW)
THURSDAY	ELECTRICAL ENGINEERING (CHK)	ENGINEERING GRAPHICS (MAK)
FRIDAY	MATHEMATICS-II (APM)	ENGINEERING CHEMISTRY (MBW)
SATURDAY	ELECTRICAL ENGINEERING (CHK)	ENGINEERING GRAPHICS (MAK)

APM            Prof.A.P.Manglekar  
 CHK           Prof. C.H.Kidile  
 MBW          Dr.M.B.Wasu  
 MAK           Prof.M.A.Khan

**JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL**  
**FIRST YEAR ENGINEERING DEPARTMENT**

**TIME TABLE**

SEMESTER: SECOND

**SECTION -A**

CLASS INCHARGE- Prof.U. C.ADE

GROUP-A SEM-I

DAY/TIME	11.00am -12.00pm	1.00pm-2.00pm
MONDAY	ENGG.MECHANICS(SSL)	COMPTER PROGRAMMING(RVS)
TUESDAY	ENGG.MECHANICS(SSL)	ENGG. PHYSICS (UCA)
WEDNESDAY	MATHEMATICS-I (NKC)	COMPTER PROGRAMMING(RVS)
THURSDAY	ENGG. PHYSICS (UCA)	MATHEMATICS-I (NKC)
FRIDAY	ENGG.MECHANICS(SSL)	ENGG. PHYSICS (UCA)
SATURDAY	MATHEMATICS-I (NKC)	COMPTER PROGRAMMING(RVS)

UCA            Prof U.C.Ade  
 RVS            Prof.R.V.Savant  
 NKC            Prof.N.K.Chaukade  
 SSL            Prof.S.S.Ladvikar

*Time table*  
*Co-ordinator*

*AKhan*  
*1st yr*  
*I/c*

*Dean*  
*Academic*

*Principal*



# JAGADAMBHA

## COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL

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### ELECTRICAL ENGINEERING DEPARTMENT TIME TABLE FOR ONLINE CLASSES Session 2020-21 (Even Semester)

It is hereby informed to all the students of third and Final year electrical engineering dept. that they should attend the online lectures from 18-01-2021 as per the following schedule.

So all of you should attend this online lecture through mobile app and the link of the online lecture will be given by the respective subject incharge.

Date:- 18-01-2021

Day / Time		1 <sup>ST</sup>	2 <sup>ND</sup>	3 <sup>RD</sup>	4 <sup>TH</sup>
		11.00 AM TO 11.45	12.00 AM TO 12.45	1.15 PM TO 2.00	2.15 PM TO 3.00
MON	6th Sem	CAMD (MDH)	FE (SKW)	EP-I (PSW)	EEU (PHK)
	8th Sem	HVE (DPC)	ED&C (PHK)	DSP (VGN)	PSS (AAZ)
TUE	6th Sem	CAMD (MDH)	FE (SKW)	OPT (DPC)	PE (ADN)
	8th Sem	HVE (DPC)	ED&C (PHK)	DSP (VGN)	PSS (AAZ)
WED	6th Sem	CAMD (MDH)	PE (ADN)	OPT (DPC)	EEU (PHK)
	8th Sem	HVE (DPC)	ED&C (PHK)	DSP (VGN)	PSS (AAZ)
THU	6th Sem	EP-I (PSW)	PE (ADN)	OPT (DPC)	EEU (PHK)
	8th Sem	HVE (DPC)	ED&C (PHK)	DSP (VGN)	PSS (AAZ)
FRI	6th Sem	PE (ADN)	FE (SKW)	EP-I (PSW)	EEU (PHK)
SAT	6th Sem	OPT (DPC)	FE (SKW)	CAMD (MDH)	EP-I (PSW)

TT Incharge

EE Dept

HOD

EE Dept

Dean Academic

JE, Yavatmal

Principal

Yavatmal



Principal  
Jagadamba College of Engineering &  
Technology Amni Road, Kinhi, Yavatmal

# JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL

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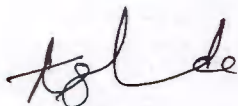
## MECHANICAL ENGINEERING DEPARTMENT TIME TABLE FOR ONLINE CLASSES Session 2020-21 (Even Semester)

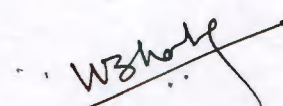
It is hereby informed to all the students of third and Final year Mechanical Engineering Dept. that they should attend the online lectures from 18-01-2021 as per the following schedule.


So all of you should attend this online lecture through mobile app and the link of the online lecture will be given by the respective subject incharge.

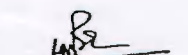
Date:- 18-01-2021

Day / Time		1 <sup>ST</sup>	2 <sup>ND</sup>	3 <sup>RD</sup>	4 <sup>TH</sup>
		11.00 AM TO 11.45	12.00 AM TO 12.45	1.15 PM TO 2.00	2.15 PM TO 3.00
MON	6th Sem	CSE (AMS)	TOM II (BKC)	CSA (AMS)	CS (VLB)
	8th Sem	AE (VLB)	ORT (KNK)	RAC/MTD (ABD/SSB)	IC (BKC)
TUE	6th Sem	CSE (AMS)	TOM II (BKC)	CSA (AMS)	FP II (ABD)
	8th Sem	ORT (KNK)	RAC/MTD (ABD/SSB)	AE (VLB)	IC (BKC)
WED	6th Sem	CSE (AMS)	FP II (ABD)	CSA (AMS)	PSS (CHK)
	8th Sem	AE (VLB)	ORT (KNK)	RAC/MTD (ABD/SSB)	IC (BKC)
THU	6th Sem	CSE (AMS)	TOM II (BKC)	FP II (ABD)	PSS (CHK)
FRI	6th Sem	CS (VLB)	PSS (CHK)	TOM II (BKC)	FP II (ABD)
SAT	6th Sem	TOM II (BKC)	FP II (ABD)		

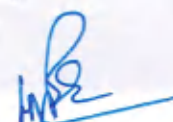
  
TT Incharge  
Mech. Engg. Dept

  
HOD  
Mech. Engg. Dept.

  
Dean Academic  
J.E., Yavatmal

  
Principal  
J.E., Yavatmal



  
**Principal**  
Jagadamba Collage of Engineering &  
Technology Arni Road, Kinhi, Yavatmal

# JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL

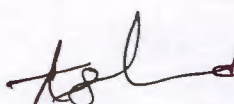
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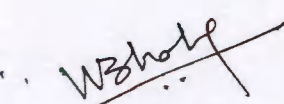
## MECHANICAL ENGINEERING DEPARTMENT TIME TABLE FOR ONLINE CLASSES Session 2020-21 (Even Semester)

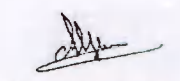
It is hereby informed to all the students of Second Year Mechanical Engineering Dept. that they should attend the online lectures from 23/04/2021 as per the following schedule.


So all of you should attend this online lecture through mobile app and the link of the online lecture will be given by the respective subject incharge.

Day / Time		1 <sup>ST</sup>	2 <sup>ND</sup>	3 <sup>RD</sup>	4 <sup>TH</sup>
		11.00 AM TO 11.45	12.00 AM TO 12.45	1.15 PM TO 2.00	2.15 PM TO 3.00
MON	4th Sem	EC I (ABS)	MP II (SSB)	MDD I (KNK)	EM (ABS)
TUE	4th Sem	EC I (ABS)	BEDC (SAS)	EM (ABS)	MP II (SSB)
WED	4th Sem	EC I (ABS)	BEDC (SAS)	EM (ABS)	ES (SKW)
THU	4th Sem	EC I (ABS)	MP II (SSB)	EM (ABS)	BEDC (SAS)
FRI	4th Sem	BEDC (SAS)	EC I (ABS)	MDD I (KNK)	ES (SKW)
SAT	4th Sem	MDD I (KNK)	MP II (SSB)		

  
TT Incharge  
Mech. Engg. Dept.

  
HOD  
Mech. Engg. Dept.

  
Dean Academic  
JE, Yavatmal

  
Principal  
JE Yavatmal



  
Principal  
Jagadamba Collage of Engineering &  
Technology Arni Road, Kinhi, Yavatmal



**JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL**  
**MECHANICAL ENGINEERING DEPARTMENT**

**TEACHING PLAN**

**SUBJECT :- CONTROL SYSTEM ENGINEERING 6ME03**

**SUBJECT TEACHER:- PROF. A. M. SHENDE**

**SESSION:- 2020-2021**

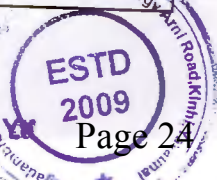
UNIT NO.	SR. NO.	MAIN TOPIC	SUB-TOPICS	NO. OF LECTURES REQUIRED
I	1	Introduction	System Concept, Open & Close Loop System	1
	2	Block Diagrams Reduction	Definations, Steps for Solving Problems & Problems	2
	3	Signal Flow Graphs	Steps for Solving Problems & Problems	2
	4	Transfer Functions	Definations & Steps	1
	5	Mathematical Modeling	Mathematical Models of Physical System & Its Problems	2
II	6	Transient Response Analysis	Introduction Standard Test Signals	1
	7		Steady State Response of First and Second Order Systems for Stop	2
	8		Ramp and Impulse Input	2
	9		Ttransient Response Specifications	2
	10		Steady State Error & Error Constants	1
III	11	Root Locus	Concept Stability	1
	12		Necessary Condition for Stability	1
	13		Rauths Stability Criterion	2
	14		Root Locus Concept, Construction of Root Loci	2
	15		Systems with Transporation Lag	2
IV	16	Frequency Response Methods & Bode Plot	Introduction	1
	17		Concept of Bode Diagrams	1
	18		Problems of First Order Systems	3
	19		Problems of Second Order Systems	3
V	20	Basic Control actions and Industrial Controllers	Classification of Industrial automatic Controllers	2
	21		Control Action	1
	22		Proportional Controllers	2
	23		Obtaining Derivative and Integral Control Actoin	2
	24		Effects of Integral and Derivative Control Action on Systems Performance	1
VI	25	Motors & Generators	Study of Important Automatic Speed Control Systems in Machine Tools	2
	26		Prime Movers	2
	27		System Generators	2
	28		Analysis of Performance Characteristics	2

*A.M.S.*  
 Sign and Name of Subject Teacher

*H.M.S.*  
 Principal

Jagadambha Collage of Engineering & Technology  
 Arni Road, Kinhi, Yavatmal

*W.S.H.*  
 Dr.V.L.Bhambere  
 H.O.D. [Mech] Jcoet, Yr



**JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL**  
**MECHANICAL ENGINEERING DEPARTMENT**

**TEACHING PLAN**

**SUBJECT: - AUTOMATION ENGINEERING 7ME04**

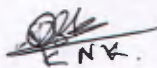
SESSION:- 2020-2021

TEACHER:- PROF. K. N. KALASPURKAR

Sr. No.	Unit No.	Topic	No. of Lecture Required
01	UNIT I	Automation & Types, Automation for mass manufacturing and Assembly,	02
		Automation of continuous processing systems,	01
		Detroit type automation, Automated flow lines,	01
		Methods of work part transport,	01
		Transfer mechanisms, control function,	01
		General terminology and analysis of automated flow line,	01
		Partial automation, Assembly,	01
		Systems and Line balancing.	01
02	UNIT II	NC/CNC:- Basic concept,	01
		N.C. controls - point to point, straight cut and continuous path control,	01
		machine control units, closed system	01
		NC machine components, tooling,	01
		CNC & DNCs, Manual part programming formats, programming languages, - APT, ADAPT, EXAPT etc.	02
		NC/CNC Programming- Various Programming codes,	01
		Manual part programming for drilling, Milling and turning operations,	02
		Examples of APT, Sensors and adaptive control in machining,	01
		Applications and economics of CNC.	01
		03	UNIT III
Robots anatomy, Arm geometry, drive system,	01		
End efforts, Sensors,	01		
Evolution of geometrical configurations for robots Programming techniques of Robots.	02		
Application of Robots in manufacturing, casting, welding,	01		
Painting, m/c loading, handling, heat treatment,	01		
Assembly, Inspection, etc.	01		



Sr. No.	Unit No.	Topic	No. of Lecture Required
04	UNIT IV	GROUP TECHNOLOGY AND PROCESS PLANNING:- Introduction-Part families,	01
		Part classification and coding systems,	01
		Group technology machine cells,	01
		Advantage of group technology, The planning function,	02
		Retrieval type process planning system,	01
		Generative process planning systems Benefits of CAPP,	01
		Expert systems	01
		Expert system approach to CAPP.	01
05	UNIT V	FMS:- Introduction, schematic of FMS,	01
		FMs cells, Components of FMS,	01
		Relation of Group Technology, with FMS, Planning,	02
		Simulation and analysis of FMS, Applications of FMS.	02
		Material handling:- Automated storage and Retrieval system (ASRS),	01
		Automated Guided Vehicle (AGV)etc.	01
06	UNIT VI	Computer Integrated Manufacturing; Introduction,	01
		Sequence of functions in CIM	01
		Elements of CIM system,	01
		CIM Wheel, structure of CIM database system.	01
		Guidelines for CIM development,	01
		Benefits of CIM shop floor control and process monitoring	01
		Automated inspection and testing:- Introduction to automated inspection, Advantages over traditional method.	01
		On-line & offline inspection,	01
		CMM construction, types & working.	01

  
ENK.

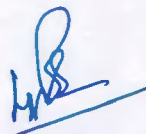
Subject Teacher



HOD

Mech. Engg. Dept.  
Dr.V.L.Bhambere  
H.O.D.[Mech]Jcoet,Yti





Principal

Jagadamba Collage of Engineering &  
Technology Arni Road, Kinhi, Yavatmai



### Computer Engineering Department

### Teaching Plan

**Academic Year :** 2020-21

**Date :** 12/12/2020

**Staff Name :** Prof. A. A. Kolpyakwar

**Subject :** ES (8KE02)

**Semester:** 8<sup>th</sup> Computer Engineering

**Teaching Scheme :** Lectures/week 4

**Year :** Final Year

**Examination Scheme :**


**Theory :** Max. Marks Theory Paper : 80 Marks

Max. Marks College Assessment ; 20 Marks

**Practical :** Max. Marks External Practical : 25 Marks

Max. Marks Internal Practical : 25 Marks

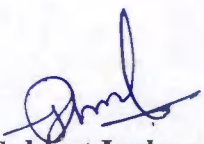
Topics to be Taught	Unit	Lectures	Total lectures Required
Introduction to Embedded System	1	1	8
Embedded Systems Vs General Computing Systems		1	
History and classification of embedded system.		1	
Major application areas and purpose of Embedded Systems		2	
Components of Embedded system: General Purpose and Domain Specific Processors.		2	
Memories for embedded systems		1	
Components of Embedded system: Sensors & Actuators.	2	1	8
Communication Interface, Embedded Firmware and other components		2	
Characteristics of Embedded System		1	
Quality Attributes of Embedded System.		1	
Embedded Systems Examples: Washing machine.		1	
Automotive application		2	
Introduction to 8051 Microcontroller: 8051 Architecture	3	1	9
8051 Memory Organization,		1	
8051 Registers, Oscillator Unit		1	
Ports of 8051		2	
Interrupt System		1	
Timer units		1	
The Serial Port of 8051		1	
8051 Power Saving Modes.		1	
Programming the 8051 Microcontroller: Addressing modes.	4	1	8
8051 Instruction Set: Data transfer instructions,		1	
Arithmetic instructions,		2	
Logical instructions, Boolean instructions		1	
Program Control Transfer instructions		2	

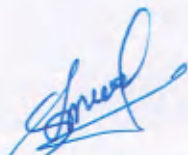

  
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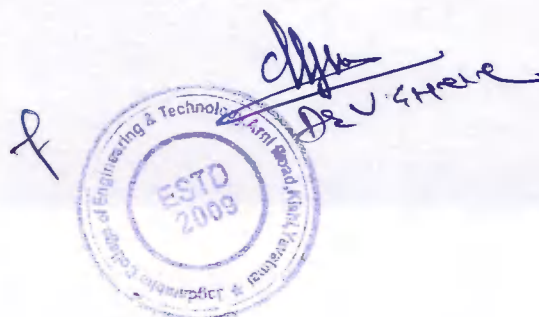
Assembly Language based Embedded Firmware development		1	
Programming in Embedded C: Review of various constructs in C	5	1	8
Delay Constant declarations, 'volatile' type qualifier,		1	
Generation and Infinite loops in Embedded C		1	
Coding Interrupt Service Routines,		2	
Recursive and Re-entrant Functions		2	
Dynamic memory allocation.		1	
: VxWorks Real Time Operating System (RTOS): Characteristics, Real Time Kernel, Hard/Soft Real time.	6	2	8
VxWorks Task Creation, Management and Task Scheduling,		1	
Kernel Services, Inter Task Communication,		1	
VxWorks Task Synchronization and Mutual Exclusion		1	
Interrupt Handling		1	
Watchdog for task Execution monitoring		1	
Timing and Reference in VxWorks		1	

#### Books Recommended:

1. "Shibu K V "Introduction to Embedded Systems" McGraw-Hill.
2. Rajkamal , "Embedded Systems, Architecture, Programming & Design"TMH.
3. Tammy Noergaard "Embedded Systems Architecture" Elsevier Newness Publication
4. Peter Marwedel "Embedded Systems Design" Springer, Netherland..

  
**Subject Incharge**  
**Prof. K. L. Chavhan**

  
**Head of Department**  
**Prof. P. D. Thakare**



## Computer Engineering Department

### Teaching Plan

**Academic Year : 2020-21**

**Date : 18/12/2020**

**Staff Name : Prof. S.A.MURAB/Prof.R.V.Deshmukh**

**Subject : SE (8KE03/8KS03)**

**Semester: 8<sup>th</sup> Computer Engineering**

**Teaching Scheme: Lectures/week 4**

**Year : Final Year**

**Examination Scheme :**

**Theory : Max. Marks Theory Paper : 80 Marks**

**Max. Marks College Assessment ; 20 Marks**

**Practical : Max. Marks External Practical : 25 Marks**

**Max. Marks Internal Practical : 25 Marks**

Topics to be Taught	Unit	Lectures	Total lectures Required
Evolving role of Software. Software crises & myths. Software engineering.	1	1	8
Software process & process models: Linear sequential, prototyping, RAD		1	
Evolutionary Product & Process		1	
Project management concepts: People, Product, Process, Project		2	
W5HH principles, critical practice		2	
Measures, Metrics & Indicators	2	1	8
Metrics in process & project domains-software measurement		2	
Metrics for software quality, small organization		1	
Software projects Planning: Scope, resources, estimation, decomposition technique, Tools		1	
Software risks : identification, risk projection, refinement & RMMM plan.		2	
Project Scheduling: Concepts. Peoples Efforts.	3	2	8
Task set, Task network.		2	
EV analysis, Project Plan. Software quality concepts.		2	
SQ Assurance, Software reviews, technical reviews, software reliability		1	
ISO 900 L, SQA Plan. SCM process. Version control. SCM standard		1	
System engineering: Hierarchy, Business Process & Product engineering: Overviews.	4	2	8


Requirement engineering, System modeling. Requirement analysis.	5	2	8
Analysis principles. Software prototyping, Specification. Design Process		2	
Design Principles & Concepts, Effective modular design.		2	
Design model & documentation		2	
Software architecture, Data Design, Architectural styles, Requirement mapping. UTD		2	
Transform & Transaction mappings. User interface design : Golden Rule.		1	
Task analysis & modelling, ID activities, Tools, design evaluation		2	
Component level design: Structure programming,		1	
Comparison of design notation.		2	
Software testing fundamentals; test case design, Whitebox testing		6	
Basis path, control structure- Blackbox-Testing, specialized environments.	2		
Strategic approach to S/W testing	1		
Unit testing, integration testing, validation testing, system testing.	2		
Debugging. Technical metrics for software.	1		

### TEXT BOOK:

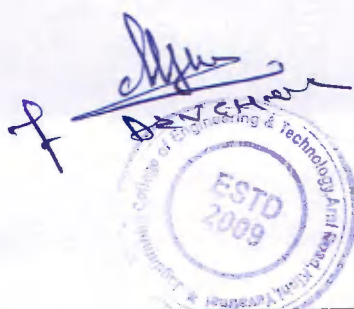
Pressman Roger. S: Software Engineering, A Practitioner's Approach, TMH.

### REFERENCE BOOKS :

1. Somerville: Software Engineering (Addison-Wesley) (5/e)
2. Fairly R: Software Engineering (McGraw Hill)
3. Davis A: Principles of Software Development (McGraw Hill)
4. Shooman, M.L: Software Engineering (McGraw-Hill)

  
Subject Incharge  
Prof. S. A. Murab

  
Head of Department  
Prof. S. A. Murab



**JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL**

**Department of Electrical Engineering**

**Syllabus Coverage Upto 30/11/2020**

**2nd Year, 3rd Sem**

Sr. No.	Name Of Subject	Name Of Staff	No. Of Lectures Taken	No. Of Unit Completed	Remark
1	ERG	Ms. P.H.Kadam	27	2.1	
2	M-III	Mr. A. P. Manglekar	25	2.1	
3	EM-I	Mr. P.S.Wankhade	24	2.3	
4	ECA	Mr. S.A.Shriwas	23	2.1	
5	EDC	Mr. A. R. Dudhe	22	1.9	

**3rd Year, 5th Sem**

Sr. No.	Name Of Subject	Name Of Staff	No. Of Lectures Taken	No. Of Unit Completed	Remark
1	SS	Mr. S.A.Shriwas	60	6	
2	FE	Ms. D.B. Pohare	54	6	
3	EM-II	Ms. M.D.Hedau	57	5.9	
4	CS-I	Mr. A.A. Zade	59	5.7	
5	MPMC	Mr. A. Kolpyakwar	56	5.5	
6	CMS	Mr. C. H. Kidile	33	3	

**4th Year, 7th Sem**

Sr. No.	Name Of Subject	Name Of Staff	No. Of Lectures Taken	No. Of Unit Completed	Remark
1	EP-II	Dr V G Neve	57	6	
2	CMPSA	Mr. P.S.Wankhade	54	5.7	
3	CS-II	Mr. A.A. Zade	58	5.5	
4	SGP	Ms. P.H.Kadam	55	5.3	
5	PSOC	Mr. D.P.Charde	59	5.9	



HOD

Electrical Eng. Dept.  
**Dr. Vijay Gajanan Neve**  
Professor & Head of  
Electrical Engg. Deptt  
J.C.O.E.T. Yavatmal



**JAGADAMBHA COLLEGE OF ENGINEERING & TECHNOLOGY, YAVATMAL**

**Department of Electrical Engineering**

**Syllabus Coverage Upto 30/09/2020**

**3rd Year, 5th Sem**

Sr. No.	Name Of Subject	Name Of Staff	No. Of Lectures Taken	No. Of Unit Completed	Remark
1	SS	Mr. S.A.Shriwas	34	3.2	
2	FE	Ms. D.B. Pohare	27	2.75	
3	EM-II	Ms. M.D.Hedau	32	3.2	
4	CS-I	Mr. A.A. Zade	31	3.2	
5	MPMC	Mr. A. Kolpyakwar	27	3.5	
6	CMS	Mr. C. H. Kidile	12	1.1	

**4th Year, 7th Sem**

Sr. No.	Name Of Subject	Name Of Staff	No. Of Lectures Taken	No. Of Unit Completed	Remark
1	EP-II	Dr V G Neve	32	3.6	
2	CMPSA	Mr. P.S.Wankhade	30	3	
3	CS-II	Mr. A.A. Zade	35	3.6	
4	SGP	Ms. P.H.Kadam	33	3.5	
5	PSOC	Mr. D.P.Charde	35	3.9	



HOD

Electrical Eng. Dept.

**Dr. Vijay Gajanan Neve**  
Professor & Head of  
Electrical Engg. Deptt  
J.C.O.E.T. Yavatmal



B.E. Seventh Semester (Computer Engineering) (CGS)  
10281 : Signals and Systems : 7 KE 01

P. Pages : 2

Time : Three Hours



AW - 3342

Max. Marks : 80

- Notes : 1. Due credit will be given to neatness and adequate dimensions.  
2. Illustrate your answer necessary with the help of neat sketches.

SECTION - A

1. a) Compare energy and power signals. 6  
b) If  $x(n) = \delta(n) + 2\delta(n-1) + 3\delta(n-2) + 4\delta(n-8)$  sketch 8  
i)  $x(n-1)\delta(n)$  ii)  $x(n-2)$   
iii)  $x\left(\frac{n}{2}\right)$  iv)  $x(-n-1)$

OR

2. a) The discrete time sequence is given below 6  
 $\{1, 1, \frac{2}{3}, 1, 0\}$   
sketch  
i)  $x(-n)$   
ii)  $x(-n-2)$   
iii)  $x(n)\delta(n)$   
b) Define following with example 8  
i) Unit Impulse ii) Unit step  
iii) Unit Ramp iv) Amplitude and time scaling  
3. a) Determine zero input response of the system described by second order difference 9  
equation.  
 $y(n) - \frac{5}{6}y(n-1) + \frac{1}{6}y(n-2) = 0$  where  $y(-1) = y(-2) = 1$   
b) Examine following systems for linearity and causality. 4  
i)  $y(n) = x(n) - x(n-1)$  ii)  $y(n) = \cos(x(n))$

OR

4. a) Determine the natural response of the system described by homogeneous difference 8  
equation.  
 $y(n) - 7y(n-1) + 12y(n-2) = x(n)$   
b) Determine whether the following systems are time variant or time invariant. 5  
i)  $y(n) = e^{x(n)}$  ii)  $y(n) = x(2n)$   
5. a) Explain the Parseval's relation for continuous time periodic signals. 5  
b) Determine the complex exponential Fourier series for each of the following. 8  
i)  $x(t) = \cos \omega_0 t$   
ii)  $\sin \omega_0 t$

AW - 3342



P.T.O

6. a) What is filtering? What are its types? Explain in brief frequency shaping filtering. 6  
 b) Explain the properties of Discrete Fourier series. 7

**SECTION - B**

7. a) Determine Fourier transform for following signals. 8  
 i)  $x(t) = \sin\left(2\pi t + \frac{\pi}{4}\right)$  ii)  $x(t) = 1 + \cos\left(6\pi t + \frac{\pi}{6}\right)$   
 b) Explain convolution property & multiplication property of Fourier transform. 6

**OR**

8. a) Using duality find Fourier transform  $G(j\omega)$  for  $g(t) = \frac{2}{1+t^2}$  7  
 b) Find fourier transform of the following signals 7  
 i)  $x(t) = e^{-at}u(t) a > 0$  ii)  $x(t) = e^{-at} \sin 2t$   
 9. a) Explain with neat diagram the process of analog to digital conversion. 5  
 b) Determine Nyquist sampling frequency & Nyquist interval for following signals. 8  
 i)  $\frac{\sin 1200\pi t}{\pi t}$  ii)  $\left(\frac{\sin 100\pi t}{\pi t}\right)^2$

**OR**

10. a) Explain the following in brief. 6  
 i) Digital differentiator ii) Half sample delay  
 b) State and explain sampling theorem. What is alising effect? How do you prevent alising while sampling continuous time signal. 7  
 11. a) State and prove differentiation & convolution property for Z-transform. 6  
 b) Find Z-transform of following signals 7  
 i)  $\cos \omega_0 n u(n)$  ii)  $a^n u(n)$

**OR**

12. Determine IZT of  $x(z) = \frac{1}{1 - \frac{3}{2}z^{-1} + \frac{1}{2}z^{-2}}$  13  
 by using  
 i) Partial fraction method ii) Power series expansion method

\*\*\*\*\*



## Unit - I

### \* IMP Questions

Q1. Draw a neat schematic arrangement of hydroelectric power plant & explain working of each component.

Q2 Explain base load and peak load hydro electric power plants.

Q3 what are the factors required to be considered for selecting a site for  
 i) hydro electric power plant  
 ii) Thermal power plant

Q4. Give the classification of hydro power plant and explain each type in brief.

\* Q5 Draw and describe the schematic arrangement of thermal power plant & explain the function of economizer, air preheater, cooling towers, & feed water heater, condensate etc.

Q6 write a detailed note on pumped storage hydro plant.

Name of Dept. : Electrical Name of Faculty : P. H. Kudam Unit No : 1

Semester : 3<sup>rd</sup> Subject : ERG Page No : \_\_\_\_\_



Unit - I

1) Introduction :-

Energy plays a very important role in day to day life for overall development of country. There are different forms of energy out of that the dependance of electrical energy is such that without it life get somewhat cumbersome. The use of electrical energy is in different fields such as for domestic purpose, where it is used for heating, cooking, etc. also it is used in industries commercial complex etc.

The fig. 1 indicates the general arrangements of a power system.

→ It mainly consists of generating stations (also known as power stations), substations, transmission network & distribution network.

→ According to the law of conservation, energy can neither be created nor be destroyed, it can be transferred from one form to another form.

→ Therefore power stations converts some form of energy into the electrical energy. It mainly consists of two parts, one is turbine & another is alternator.

→ Turbine converts some form of energy into the mechanical form & then alternator converts it into electrical form.

Name of Dept. : Electrical Name of Faculty : Prof. P. H. Kadam Unit No : 1

Semester : 3<sup>rd</sup> sem, 2<sup>nd</sup> year Subject : ERG Page No : 1



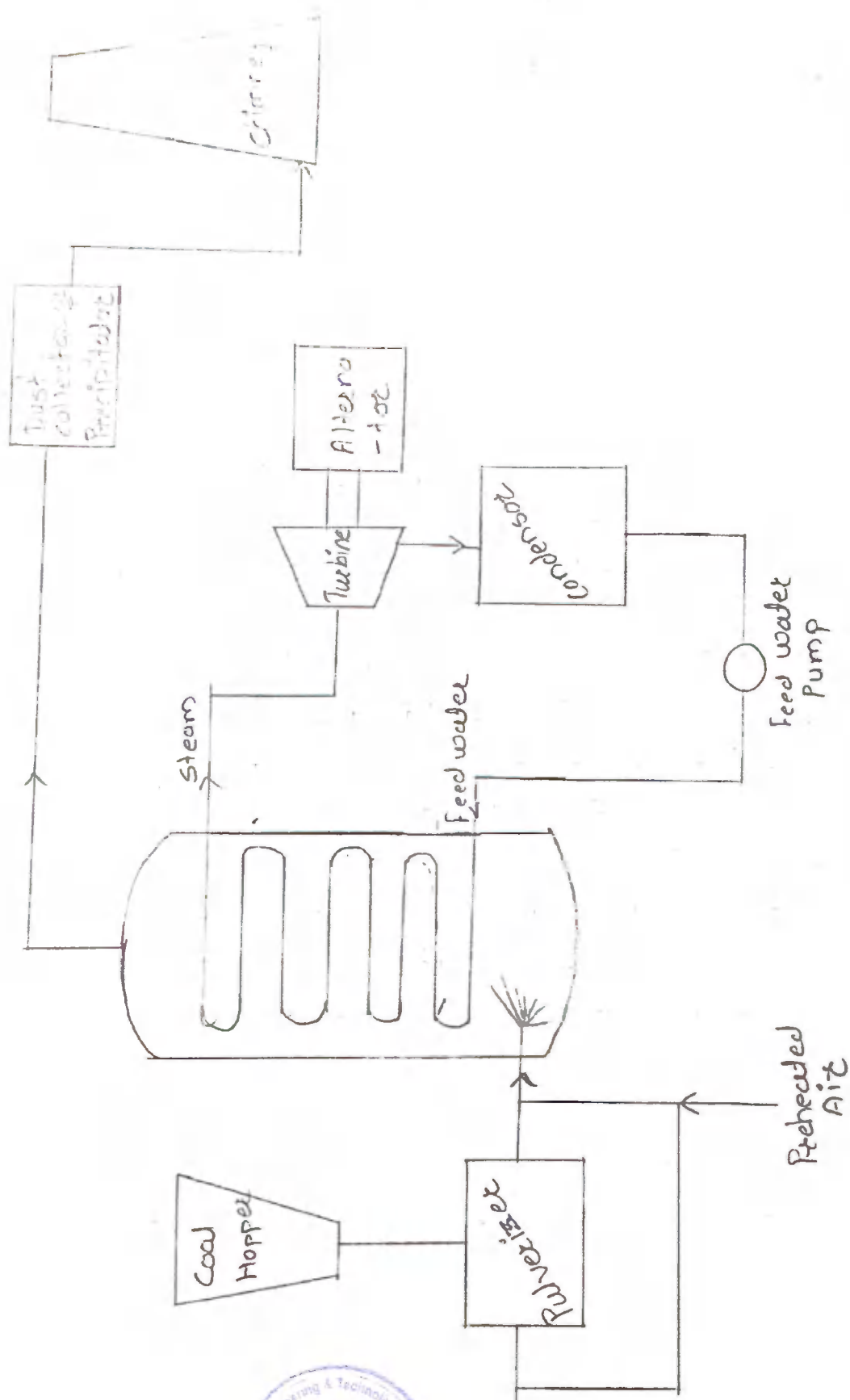
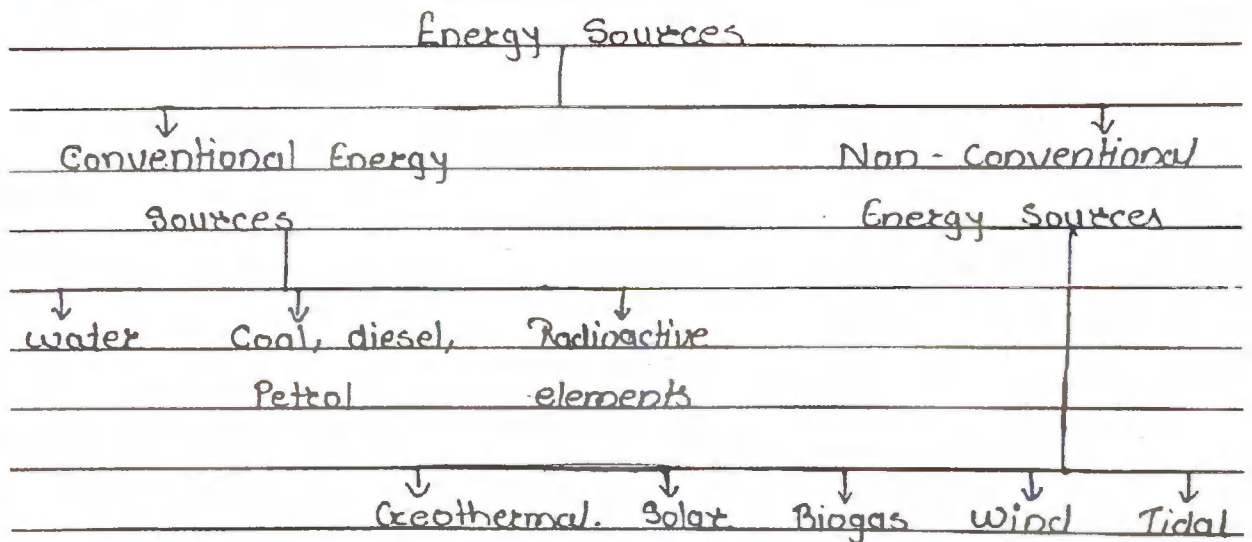


Fig 1 Schematic diagram of Thermal Power Plant



- Generated electricity is in form of 3 phase supply which is step up in power substation.
- Then this high voltage electrical energy is transmitted by transmission lines over a long distance. Then it is stepped down in distribution substation to utility utilization level.
- This step up & step down is done by transformer.
- Then the electrical energy is distributed to different consumers.

## 2) Types of Energy Sources :-



- Existing Power station operates on fossil fuel such as oil, coal, gas, etc. These storage of fossil fuel is limited & its storage is getting depleted everyday to meet today's electrical energy requirements.

Name of Dept. : Electrical Name of Faculty : Prof. P. M. Kadam Unit No : 1

Semester : 3<sup>rd</sup> Subject : ERC Page No : 2



These sources of energy are known as "conventional sources".

- The energy sources such as, solar, wind etc. which will be available all the times, are called as "non conventional" energy sources.

### 3) Thermal Power Plant :-

#### Selection of site :-

- Availability of coal : The huge amount of coal is required for generation of electrical energy.

The thermal power plant of 400 MW capacity requires 5000 to 6000 tons of coal per day.

Therefore thermal power stations should be located near to coal mines to minimise the transportation cost.

- Availability of water :

As the secondary requirement of the thermal power station is the water.

Water is required for two purposes, firstly for conversion into steam for steam turbine and secondly for condenser.

Hence such plants should be located near the water resource such as a river, lake or canal.

Name of Dept. : Electrical Name of Faculty : P. H. Kadam Unit No : 1

Semester : 3<sup>rd</sup> Subject : ERC Page No : 3





• Ash Disposal facilities :

Ash produced after burning of coal is about 20 to 40% of the weight of coal i.e. 1500 to 2000 tons per day. Thus it becomes a more serious problem as it comes out in hot condition and is highly corrosive.

Therefore there must be sufficient space available for disposal of large quantity of ash.

The ash from the power plants is used for many industrial process. Therefore disposal problem does not arise.

• Space Requirement :-

The space required in the thermal power plant is quite large (3 to 5 acres per MW) for plant equipment, coal storage, ash disposal, etc.

The land available for power plant must be available at low cost also it should have sufficient bearing capacity to withstand the load of machinery.

• Transportation facilities :

Power station should have the transportation facility such as road and rail for transportation of material & machinery.

Name of Dept. : Electrical Name of Faculty : P. H. Madam Unit No : 1

Semester : 3<sup>rd</sup> Subject : ERG Page No : 4

