JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
ACADEMIC CALENDAR (2017-18)
FOR NON-AUTONOMOUS CONSTITUENT & AFFILIATED COLLEGES
B. TECH. I YEAR- I & II SEMESTERS

I SEM

S. No	EVENT	DATE	Duration
1.	Induction Program/Orientation Program	24th & 25th July 2017	2 days
2.	Commencement of Instruction	26th July 2017	--
3.	First Mid Term Examinations	21st to 23rd Sept. 2017	--
4.	Dussehra recess	25th to 30th Sept. 2017	1 week
5.	Submission of First Mid Term Exam Marks to University on or before	7th Oct. 2017	--
6.	Parent-Teacher Meeting	14th Oct. 2017	--
7.	Second Mid Term Examinations	23rd to 25th Nov. 2017	--
8.	Last date of Instruction	25th Nov. 2017	16 weeks
9.	Preparation Holidays and Practical Examinations	27th Nov. to 2nd Dec. 2017	1 week
10.	Submission of Second Mid Term Exam Marks to University on or before	8th Dec 2017	--
11.	End Semester Examinations	4th to 16th Dec. 2017	2 weeks

II SEM

S. No	EVENT	DATE	Duration
1.	Commencement of Instruction	18th Dec. 2017	--
2.	First Mid Term Examinations	7th to 9th Feb. 2018	--
3.	Submission of First Mid Term Exam Marks to University on or before	17th Feb. 2018	--
4.	Parent-Teacher Meeting	10th March 2018	--
5.	Second Mid Term Examinations	4th to 7th April 2018	--
6.	Last date of Instruction	7th April 2018	16 weeks
7.	Submission of Second Mid Term Exam Marks to University on or before	13th April 2018	--
8.	Preparation Holidays and Practical Examinations	9th to 14th April 2018	1 week
9.	End Semester & Supplementary Examinations for I Sem. of I year of R16 and for I year of R09, R13 and R15 Regulations	16th April to 7th May 2018	3 weeks
10.	Summer Vacation	8th May to 7th July 2018	9 weeks

22.07.2017

DIRECTOR
ACADEMIC & PLANNING, JNTUH

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
ACADEMIC CALENDAR (2017-18)
FOR NON-AUTONOMOUS CONSTITUENT & AFFILIATED COLLEGES
B. TECH. & B. PHARM. II, III & IV YEARS I & II SEMESTERS

I SEM

S. No	EVENT	DATE	Duration
1.	Commencement of Instruction	12th July 2017	--
2.	First Mid Term Examinations	6th to 8th Sept. 2017	--
3.	Submission of First Mid Term Exam Marks to University on or before	16th Sept. 2017	--
4.	Dussehra recess	25th to 30th Sept. 2017	1 week
5.	Parent-Teacher Meeting	14th Oct. 2017	--
6.	Second Mid Term Examinations	8th to 10th Nov. 2017	--
7.	Last date of Instruction	10th Nov. 2017	16 weeks
8.	Preparation Holidays and Practical Examinations	13th to 18th Nov. 2017	1 week
9.	Submission of Second Mid Term Exam Marks to University on or before	18th Nov. 2017	--
10.	End Semester & Supplementary Examinations (II Sem. of I, II & III years)	20th Nov. to 12th Dec. 2017	3 weeks

II SEM

S. No	EVENT	DATE	Duration
1.	Commencement of Instruction	14th Dec. 2017	--
2.	First Mid Term Examinations	7th to 9th Feb. 2018	--
3.	Submission of First Mid Term Exam Marks to University on or before	17th Feb. 2018	--
4.	Parent-Teacher Meeting	10th March 2018	--
5.	Second Mid Term Examinations	4th to 7th April 2018	--
6.	Last date of Instruction	7th April 2018	16 weeks
7.	Submission of Second Mid Term Exam Marks to University on or before	13th April 2018	--
8.	Preparation Holidays and Practical Examinations	9th to 14th April 2018	1 week
9.	End Semester & Supplementary Examinations (I Sem. of II, III & IV years)	16th April to 7th May 2018	3 weeks
10.	Summer Vacation	8th May to 7th July 2018	9 weeks

DIRECTOR
ACADEMIC & PLANNING, JNTUH

TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH)

Medbowli, Meerpet, Saroornagar, Hyderabad-500097

Phone: 040-24092838 Fax: +91-040-24092555

E-mail: tkrec@rediffmail.com Website: www.tkrec.ac.in

Institution Academic Calendar For the Year - 2017-2018

I SEMESTER

S.No	Description	Department	year	Activity	Date
1	Department meeting	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH I SEM	---	5-Jul-17
2	Commencement of Class Work	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH I SEM	---	12-Jul-17
3	Feed back from Alumni	CE/EEE/ECE/CSE/IT/MBA	II ,III,IV BTECH I SEM	---	20-Jul-17
4	Monthly Attendance Uploading	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH I SEM	---	31-Jul-17
5	Feed back from Parents	CE/EEE/ECE/CSE/IT/MBA	II ,III,IV BTECH I SEM	---	8-Aug-17
6	Department meeting	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH I SEM	---	14-Aug-17
7	Independence Day	---	---	---	15-Aug-17
8	Monthly Attendance Uploading	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH I SEM	---	31-Aug-17
9	Operation and Maintanance of BTS	EEE	III B TECH I SEM	Workshop	4-Sep-17
10	Workshop on Telecommunications	EEE	III B TECH I SEM	Workshop	5-Sep-17 to 7-Sep-17
11	I mid Exams	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH I SEM		6-Sep-17 to 8-Sep-17
12	Department meeting	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH I SEM	---	11-Sep-17
13	Feed back from Students	CE/EEE/ECE/CSE/IT/MBA	II ,III,IV BTECH I SEM	---	12-Sep-17
14	Engineer's Day	---	---	---	15-Sep-17
15	Monthly Attendance Uploading	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH I SEM	---	24-Sep-17
16	Dussera Holidays	---	---		25-Sep-17 to 30-Sep-17
17	Department meeting	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH I SEM	---	9-Oct-17
18	Surya Tech Solutions	EEE	III B TECH I SEM	Industrial Visit	12-Oct-17
19	Home Automation With Iot Using Raspberry Pi"	ECE	III B TECH I SEM	Workshop	13-Oct-17 to 14-Oct-17
20	Vidyutha-2k17	EEE	II ,III,IV BTECH I SEM	Department Fest	26-Oct-17 to 28-Oct-17
21	Monthly Attendance Uploading	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH I SEM	---	31-Oct-17
22	Appathon	CSE		Workshop	3-Nov-17

23	II mid Exams	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH I SEM		8-Nov-17 to 11-Nov-17
24	Department meeting	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH I SEM	---	13-Nov-17
25	Preparation and Practical exams	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH I SEM		13-Nov-17 to 18-Nov-17
26	End Semester Examinations	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH I SEM		20-Nov-17 to 12-Dec-17
27	Aleap(Association Of Lady Entrepreneurs Of India)	MBA		Industrial Visit	21-Nov-17
28	Monthly Attendance Uploading	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH I SEM	---	30-Nov-17

II SEMESTER

S.No	Description	Department	year	Activity	Date
1	Department meeting	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM	---	11-Dec-17
2	Commencement of Class Work	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM		18-Dec-17
3	Telecommunications	ECE		Workshop	22-Dec-17
4	Monthly Attendance Uploading	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM		31-Dec-17
5	Department meeting	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM	---	8-Jan-18
6	Infosys	IT	III B TECH II SEM	Industrial Visit	19-Jan-18
7	Techona Enterprises	EEE	III B TECH II SEM	Industrial Visit	24-Jan-18
8	Republic Day	---	---		26-Jan-18
9	Monthly Attendance Uploading	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM	---	31-Jan-18
10	Cancer Awareness-NSS	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM	Program	4-Feb-18
11	I Mid Exams	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM	---	7-Feb-18 to 9-Feb-18
12	Department meeting	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM	---	12-Feb-18
13	Monthly Attendance Uploading	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM	---	20-Feb-18
14	Entrepreneurship Development	MBA		National Seminar	24-Feb-18
15	Webinar On Oracle	IT	II ,III,IV BTECH II SEM	Seminar	26-Feb-18

16	" Pcb Design And Fabrication"	ECE	II B TECH II SEM	Workshop	26-Feb-18 to 27-Feb-18
17	Rein 4z-2k18	CIVIL	II ,III,IV BTECH II SEM	Technical Fest	27-Feb-18 to 28-Feb-18
18	Department meeting	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM	---	12-Mar-18
19	Eclips	CSE	III B TECH II SEM	Workshop	22-Mar-18
20	Modern Food Enterprises Pvt Ltd	MBA		Industrial Visit	27-Mar-18
21	Monthly Attendance Uploading	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM	---	31-Mar-18
22	II Mid Exams	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM	---	4-Apr-18 to 7-Apr-18
23	Department meeting	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM	---	9-Apr-18
24	Preparation and Practical exams	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM		9-Apr-18 to 15-Apr-18
25	End Semester Examinations	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM		16-Apr-18 to 27-Apr-18
26	Supplementary Exams	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM	---	16-Apr-18 to 29-Apr-18
27	Building Information Modeling	CIVIL	II ,III,IV BTECH II SEM	Workshop	28-Apr-18
28	IoT & Data Analytics With AI	CSE	III B TECH II SEM	Workshop	28-Apr-18
29	Monthly Attendance Uploading	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM	---	30-Apr-18
30	ECIL	EEE	III B TECH II SEM	Internship	1-May-18
31	Summer vacation	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM	Internship	8-May-18 to 7-Jul-18
32	Techona Enterprises	EEE	III B TECH II SEM	Internship	8-May-18
33	Department meeting	CE/EEE/ECE/CSE/IT	II ,III,IV BTECH II SEM	---	14-May-18
34	Srisailam hydro Electric Power station	EEE	III B TECH II SEM	Internship	16-May-18
35	BHEL	EEE	III B TECH II SEM	Internship	17-May-18
36	ITCPSPD	EEE	III B TECH II SEM	Internship	22-May-18
37	SK Techsol Engineers	EEE	III B TECH II SEM	Internship	22-May-18
38	RCI	EEE	III B TECH II SEM	Internship	23-May-18 to 6-Jun-18
39	Training And Induction Program-FDP	CE/EEE/ECE/CSE/IT	All Faculty	FDP	25-May-18
40	Power Grids Corporation of India Ltd	EEE	III B TECH II SEM	Internship	28-May-18

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COURSE FILE CONTENT

1. Institute Vision & Mission, Department Vision & Mission

2. PEO, PO& PSO Statements.

3. Course Information Sheet (CIS)

    3.1. Academic Calendar

    3.2. Subject Time Table

    3.3. Syllabus

    3.4. General Objectives & Specific Objectives

    3.5. Program Outcomes & Program Specific Outcomes

    3.6. Course Outcomes

    3.7. Relationship of COs to POs & Relationship of COs to PSOs

    3.8. Teaching Plan

    3.9. Result Analysis (Past 3 Years) with Bar chart

4. Lecture Notes

    4.1. Unit Wise Lecture Notes

    4.2. Add on Course Material

5. Question Bank

    5.1. Unit Wise Question Bank

    5.2. University Question Papers

6. Continuous Evaluation

    6.1. Mid Question Papers with Key

    6.2. Unit Test Question Papers with Key

        6.2.1 Sample Unit Test Answer Sheets

        6.2.2 Sample Assignment Sheets

7. Attendance Register (Daily Attendance & Topic Delivery Report)

8. CD / DVD (All Course Information - like NPTEL, MIT lectures, Unit wise PPT Slides etc.,)

SUB : FLUID MECHANICS - II					TEACHING SCHEME :	LECTURES	: 6 hrs/week	
CLASS : Second Year B-Tech		SEMESTER:II				PRACTICALS	: NIL	
NAME OF FACULTY : B SURESH					EXAMINATION SCHEME :	UNIVERSITY EXAM :75 Marks		
						SESSIONAL EXAM : 25 Marks		

LECTURE NO	DESCRIPTION	PLANED DATES	ACTUAL DATES	REF USED	CONTENT DELIVERY METHODS / ICT TOOLS USED	COURSE OUTCOMES
UNIT-I Open Channel Flow					
1	Types of flows- types of channels	20/12/17	20/12/17	O - 1	Power Point presentation,video	
2	Velocity distribution- energy and momentum correction factors-	21/12/17	21/12/17	T- 2	Power Point presentation,chalk and talk	
3	The chezy's, mannings;and bazin formulae for uniform flow	22/12/17	22/12/17	O - 1	Power Point presentation	
4	Most economical sections	23/12/17	23/12/17	O- 1	Power Point presentation,chalk and talk	To Understands about different types of open channels, flow section and most economical section.
5	Critical flow: specific energy- critical depth	26/12/17	26/12/17	O- 1	Black Board	
6	Computation of critical depth- critical sub –critical and super critical flows	27/12/17	27/12/17	O - 1	Power Point presentation,chalk and talk	
7	Non Uniform flow- Dynamic equation for G.V.F	28/12/17	28/12/17	O - 1	Power Point presentation	
8	The critical,steep.horizontal and adverse slopes	29/12/17	29/12/17	T- 2	Power Point presentation,chalk and talk	
9	Surface profiles-direct step method	30/12/17	30/12/17	T- 2	Black Board	
10	Rapidly varied flow, hydraulic jump , energy dissipation	2/1/2018	2/1/2018	O - 1	Black Board	
UNIT-II Hydraulic Similitude					
1	Dimensional analysis- Rayleigh's method and Buckingham's pi theorem	4/1/2018	4/1/2018	O - 1	OHP SLIDES	
2	Hydraulic models	9/1/2018	9/1/2018	O- 1	Black Board	To study the Dimensional analysis and similitude.
3	The Geometric, kinematic and dynamic similarities	10/1/2018	10/1/2018	O - 1	Power Point presentation,mind mapping ,chalk and talk	
4	Dimensionless numbers	17/1/18	17/1/18	O - 1	NPTEL Video,chalk and talk	
5	The model and proto type relations	18//1/18	18//1/18	O- 1	Black Board	
UNIT-III Basics of Turbo Machinery					
1	Hydrodynamic force of jets on stationary and moving flat	19/1/18	19/1/18	O - 1	Black Board	
2	Inclined and curved vanes	20/1/18	20/1/18	O - 1	Power Point presentation,chalk and talk	
3	Jet striking centrally and at tip, velocity triagles at inlet and outlet	23/1/18	23/1/18	O - 1	Black Board	
4	Expression for work done and efficiency	24/1/18	24/1/18	O- 1	video	Understands Hydrodynamic force on jets, Understands about hydraulic turbines
5	Angular momentum principle, applications to radial flow turbines	25/1/18	25/1/18	T- 2	Mind mapping ,chalk and talk	
6	Layout of atypical Hydropower installation	27/1/18	27/1/18	O - 1	Black Board	
7	Heads and efficiencies	28/1/18	30/1/18	O - 1	mind mapping ,chalk and talk	
UNIT-IV Hydraulic Turbines					
1	Classification of turbines	1/2/2018	1/2/2018	O- 1	Black Board	
2	Wheel- Francis's turbine-Kaplan turbine	2/2/2018	2/2/2018	O - 1	Black Board	
3	Working proportions, velocity diagram	2/2/2018	2/2/2018	O - 1	Black Board	
4	Work done and efficiency, hydraulic design, draft tube	06/2//18	06/2//18	O - 1	Black Board	
5	Theory and function efficiency	14/2/18	14/2/18	O - 1	Black Board	
6	Governing of turbine	20/2/18	20/2/18	O - 1	Power Point presentation,chalk and talk,MATLAB Simulink usage	Understands about Centrifugal pumps
7	Surge tanks –unit and specific turbines- unit speed- unit quantity- unit power	23/2/18	23/2/18	O - 1	Power Point presentation,chalk and talk,MATLAB Simulink usage	
8	Specific speed performance characteristics	3/3/2018	3/3/2018	T-1	Black Board	
9	Geometric similarity- cavitation	6/3/2018	6/3/2018	T-1	Black Board	
UNIT-V Centrifugal pumps					
1	Pump installation details, classification	10/3/2018	10/3/2018	O - 1	Black Board	
2	Work done-manometri head	15/3/18	15/3/18	O - 1	Black Board	
3	Minimum strting speed	16/3/18	16/3/18	O - 1	Black Board	
4	Losses and efficiencies	21/3/18	21/3/18	T- 2	Black Board	
5	Specific speed, multistage pumps- pumps in parallel	24/3/18	24/3/18	O - 1	Black Board	Understands about Reciprocating pumps
6	Performance of pumps	27/3/18	27/3/18	O - 1	Black Board	
7	Understand characteristics curves-NPSH-cavitation	28/3/18	28/3/18	O - 1	Black Board	
8	Classification of hydropower plants	30/3/18	30/3/18	T- 2	Black Board	
9	Definition of terms –load factor, utilization factor, capacity factor	3/4/2018	3/4/2018	O - 1	Black Board	

SUB : POWER SYSTEMS -II					TEACHING SCHEME :	LECTURES	:6 hrs/week
CLASS : III Year B-Tech	SEMESTER:I					PRACTICALS	:NIL
NAME OF FACULTY :A.MANJULA					EXAMINATION SCHEME :	UNIVERSITY EXAM :75 Marks	
						SESSIONAL EXAM : 25 Marks	

LECTURE NO	DESCRIPTION	PLANED DATES	CTUAL DATE	REF USED	NTENT DELIVERY METHODS / ICT TOOLS US	COURSE OUTCOMES
UNIT-I TRANSMISSION LINE PARAMETERS					
	PART-I INTRODUCTION					
1	Types of conductors, calculation of resistance for solid conductors			T1,R1	Power Point presentation,video	Understand the concepts of power systems-II and calculation of resistance ,inductance and capacitance
2	Calculation of inductance for single and double circuit lines.	12/14/2017	12/14/2017	T1,T2,R2	Power Point presentation,chalk and talk	
3	Concept of GMD and GMR	12/16/2017	12/16/2017	T1,R1	Power Point presentation	
4	Calculation of capacitance for 2-wire and 3-wire systems with ground effect	12/18/2017	12/18/2017	T2,R1	Power Point presentation,chalk and talk	
5	Calculation of capacitance for symmetrical and unsymmetrical single and 3 phase systems	12/20/2017	12/23/2017	T1,R1	Black Board	
	PART-II Performance of short medium and long length transmission lines					
1	Classification of transmission lines	12/30/2017		T1,T2,R1	Black Board	understand the different types of transmission lines
2	Representation of models of medium type transmission lines	1/3/2018	1/4/2018	T1,R1	Black Board	
3	Numerical problems on all medium type models	1/6/2018	1/8/2018	T1,R1	Power Point presentation,chalk and talk	
4	Regulation and efficiency of all types of transmission lines	1/6/2018	1/8/2018	T1,R2	Power Point presentation,chalk and talk	
5	Representation of models of long type transmission lines	1/9/2018	1/10/2018	T1,R1	Black Board	
6	Numerical problems for all models of long type T-line	1/10/2018	1/10/2018	T1,R2	Black Board	
	UNIT-III POWER SYSTEM TRANSIENTS & FACTORS GOVERNING THE PERFORMANCE OF TRANSMISSION LINES.					
1	Types of system transients	1/19/2018	1/20/2018	T1,R1	OHP SLIDES	able to learn the powersystem transients
2	Termination of lines with different types of conditions	1/20/2018	1/23/2018	T1,T2,R2	Black Board	
3	Skin and proximity effects	1/23/2018	1/24/2018	T1,T2,R1,R3	Power Point presentation,mind mapping ,chalk and talk	
4	Corona effect	1/24/2018	1/24/2018	T1,T2,R1	https://youtu.be/YuZiwA-47I	
5	Ferranti effect	1/25/2018	1/27/2018	T1,T2,R1,R3	Black Board	
	UNIT-IV OVERHEAD LINE INSULATORS & SAG,TENSION CALCULATIONS					
1	Types of insulators in overhead lines.	1/29/2018	1/29/2018	T1,R1	Black Board	learn the all types of overhead insulators
2	String efficiency and improvement methods	1/30/2018	1/30/2018	T1,T2,R1	Power Point presentation,chalk and talk	
3	Sag and tension calculations	1/31/2018	1/31/2018	T1,R1	Black Board	
4	effect of wind and ice on weight of conductor	2/3/2018	2/3/2018	T1,T2,R1	black board	
5	applications of stringing and sag templates.	2/5/2018	2/5/2018	T1,R1	Mind mapping ,chalk and talk	
	UNIT-V underground cables					
1	Types of cables	2/22/2018	2/24/2018	T1,R1	Black Board	to know the complete details of underground cables
2	Types insulators			T1,T2,R1	Black Board	
3	Calculation of capacitance for single and 3- core belted cables	2/23/2018	2/24/2018	T1,R1	Black Board	
4	Problems			T1,R1	Black Board	
5	Concept of grading and types	2/26/2018	3/5/2018	T1,T2,R1,R3	Black Board	

SUB :CONTROL SYSTEMS		TEACHING SCHEME :	LECTURES	:6 hrs/week
CLASS :　　　Second Year B-Tech　　　　　　SEMESTER:II			PRACTICALS	:NIL
NAME OF FACULTY :CH NISHANTHI		EXAMINATION SCHEME :	UNIVERSITY EXAM :75 Marks	
			SESSIONAL EXAM　　: 25 Marks	

LECTURE NO	DESCRIPTION	PLANED DATES	ACTUAL DATES	REF USED	CONTENT DELIVERY METHODS / ICT TOOLS USED	COURSE OUTCOMES
	UNIT-I Introduction to concepts of control systems					
	PART-I INTRODUCTION					
1	Imoprtance &Types of Control Systems			T1,R1	Power Point presentation,video	Understand the concepts of control systems and their importance in industrial applications
2	Examples Of Control systems	12/14/2017	12/14/2017	T1,T2,R2	Power Point presentation,chalk and talk	
3	Differences between OLCS &CLCS	12/16/2017	12/16/2017	T1,R1	Power Point presentation	
4	Feedback Characteristics of Control Systems	12/18/2017	12/18/2017	T2,R1	Power Point presentation,chalk and talk	
5	Differential equations,impulse response and Transfer Function	12/20/2017	12/23/2017	T1,R1	Black Board	
6	Translational and Rotational Mechanical systems	12/23/2017	12/28/2017	T1,R1	Power Point presentation,chalk and talk	
	PART-II TRANSFER FUNCTION REPRESENTATION					
1	Transfer function of AC &DC servo motors	12/30/2017		T1,T2,R1	Black Board	Improve the system performance by selecting suitable controller and/or a compensator for a specific application
2	Synchro Transmitter and Receiver	1/3/2018	1/4/2018	T1,R1	Black Board	
3	Block Diagram Representation of systems-considering electrical systems	1/6/2018	1/8/2018	T1,R1	Power Point presentation,chalk and talk	
4	Block Diagram Algebra	1/6/2018	1/8/2018	T1,R2	Power Point presentation,chalk and talk	
5	Problems	1/9/2018	1/10/2018	T1,R1	Black Board	
6	Representation by signal flow graph and reduction by masons gain formula	1/10/2018	1/10/2018	T1,R2	Black Board	
7	Problems	1/17/2018	1/19/2018	T1,R1	Black Board	
	UNIT-II Time Response Analysis					
1	Standard Test Signals	1/19/2018	1/20/2018	T1,R1	OHP SLIDES	Improve the system performance by selecting suitable controller and/or a compensator for a specific application
2	Time Response of First order systems characteristic equation of feedback control systems	1/20/2018	1/23/2018	T1,T2,R2	Black Board	
3	Transient Response of Second Order Systems	1/23/2018	1/24/2018	T1,T2,R1,R3	Power Point presentation,mind mapping ,chalk and talk	
4	steady state response ,steady state errors and error constants	1/24/2018	1/24/2018	T1,T2,R1	NPTEL Video,chalk and talk **https://youtu.be/YuZiwA-47I**	
5	Effect of Proportional derivative and integrative systems	1/25/2018	1/27/2018	T1,T2,R1,R3	Black Board	
6	Problems	1/27/2018	1/27/2018	T1,R1	Mind mapping ,chalk and talk	
	UNIT-III Stability Analysis					
	PART-I Routh Stability Criterion					
1	The concept of stability- Routh stability criterion	1/29/2018	1/29/2018	T1,R1	Black Board	Apply various Time Domain and Frequency Domain Techniques to assess the system
2	Qualitative Stability and Conditional Stability	1/30/2018	1/30/2018	T1,T2,R1	Power Point presentation,chalk and talk	
3	Problems	1/31/2018	1/31/2018	T1,R1	Black Board	
	PART-II Root Locus Technique					
1	The concept of Root locus	2/3/2018	2/3/2018	T1,T2,R1	video(**https://youtu.be/JkqGyD6VY0A**)	Apply various Time Domain and Frequency Domain Techniques to assess the system
2	Construction of Root Loci	2/5/2018	2/5/2018	T1,R1	Mind mapping ,chalk and talk	
3	Effects of adding poles and zeros to G(S) &H(S) on the root loci	2/6/2018	2/6/2018	T1,T2,R1	Black Board	
4	Problems	2/7/2018	2/6/2018	T1,R1	mind mapping ,chalk and talk	
	PART-III Frequency Resopnse Analysis					
1	Frequency domain specifications	2/10/2018	2/10/2018	T1,R1	Black Board	Apply various Time Domain and Frequency Domain Techniques to assess the system
2	Bode diagrams	2/12/2018	2/12/2018	T1,R1	Power Point presentation,chalk and talk	
3	Determination of Frequency Domain specifications and transfer function from bode diagrams	2/13/2018	2/17/2018	T1,T2,R1,R3	Black Board	
4	Stability analysis from Bode Plot	2/17/2018	2/19/2018	T1,R1	Mind mapping(Graph sheet) ,chalk and talk	
5	Gain margin ,Phase Margin and Problems	2/19/2018	2/21/2018	T1,R1	Mind mapping(Graph sheet) ,chalk and talk	

		Topic				Method	Outcome
		UNIT-IV Stability Analysis In Frequency domain					
	1	Polar plots	2/22/2018	2/24/2018	T1,R1	Black Board	
	2	Problems			T1,T2,R1	Black Board	
	3	Nyquist plots	2/23/2018	2/24/2018	T1,R1	Black Board	
	4	Problems			T1,R1	Black Board	1.Apply various Time Domain and Frequency Domain Techniques to assess the system 2.Apply Various Control Strategies to different apllications.
	5	Effects of adding poles and zeros to G(S) &H(S) on the shape of Nyquist Plots	2/26/2018	3/5/2018	T1,T2,R1,R3	Black Board	
	6	Compensation Techniques-Lead Lag compensators	3/5/2018	3/8/2018	T1,R1	Power Point presentation,chalk and talk,MATLAB Simulink usage	
	7	PID controllers	3/6/2018	3/10/2018	T1,R1	Power Point presentation,chalk and talk,MATLAB Simulink usage	
		UNIT-IV State Space Analysis Of Continuous Time Systems					
	1	Concepts of State ,State Variables and State Model	3/12/2018	3/12/2018	T1,T2,R1,R3	Black Board	
	2	Derivation of State model from Blockdiagram	3/15/2018	3/15/2018	T1,R1	Black Board	Test system Controllability and Observability Using State Space representation and applications of State Space representation to Various Systems
	3	Derivation of State model from Signal Flow Graph	3/21/2018	3/21/2018	T1,R1	Black Board	
	4	Diagnolization Solving the Time Invarient State Equations	3/24/2018	3/24/2018	T1,T2,R1,R3	Black Board	
	5	State Transition Matrix and Properties	3/28/2018	3/28/2018	T1,R1	Black Board	
	6	Controllability and Observability	4/2/2018	4/4/2018	T1,T2,R2	Black Board	

SUB :OBJECT ORIENTED ANALYSIS & DESIGN			TEACHING SCHEME :	LECTURES	:6 hrs/week
CLASS : Third Year B-Tech	SEMESTER:II			PRACTICALS	:3 hrs/week
NAME OF FACULTY :K RENUKA			EXAMINATION SCHEME :	UNIVERSITY EXAM :75 Marks	
				SESSIONAL EXAM : 25 Marks	

LECTURE NO	DESCRIPTION	PLANNED DATES	ACTUAL DATES	REF USED	TENT DELIVERY METHODS / ICT TOOLS U	COURSE OUTCOMES
	UNIT-I Introduction to UML					
1	Introduction to UML	14/12/2017	14/12/2017	T1,R1	Power Point presentation,video	
3	Importance of Modelling, Principles of Modeling	15/12/2017	15/12/2017	T1,R1	Power Point presentation	
4	Object Oriented Modeling	16/12/2017	16/12/2017	T2,R1,R3	Power Point presentation,chalk and talk	
5	Conceptual Model of UML	17/12/2017	17/12/2017	T1,R1	Black Board	Master the fundamental principles of Object Oriented programming, Master key principles in Object Oriented analysis, design, and development
6	Building Blocks of UML	18/12/2017	18/12/2017	T1,R1	Power Point presentation,chalk and talk	
7	Rules & Common mechanisms	22/12/2017	22/12/2017	T1,T2,R1	Black Board	
8	Architecture	27/12/2017	27/12/2017	T1,R1	Black Board	
9	SDLC	28/12/2017	28/12/2017	T1,R1	Power Point presentation,chalk and talk	
10	Revision of I unit	29/12/2017	29/12/2017		Power Point presentation,chalk and talk	
	UNIT-II Basic Structural Modeling					
1	Basic Structural Modeling	2/1/2018	2/1/2018	T1,R1	OHP SLIDES	
2	classes	3/1/2018	3/1/2018	T1,T2,R2	Black Board	
3	Relation ships	5/1/2018	5/1/2018	T1,T2,R1,R3	Power Point presentation,mind mapping ,chalk and talk	
4	common mechanisms	5/1/2018	5/1/2018	T1,T2,R1	NPTEL Video,chalk and talk	
5	Diagrams	6/1/2018	6/1/2018	T1,T2,R1,R3	Black Board	
6	Advanced Structural Modeling	8/1/2018	8/1/2018	T1,R1	Mind mapping ,chalk and talk	
7	Advanced Classes	8/1/2018	8/1/2018	T1,R1	Black Board	
8	Advanced Relationships	9/1/2018	9/1/2018	T1,R1	Black Board	Be familiar with the application of the Unified Modeling Language (UML) towards analysis and design
9	Interfaces, Types & Roles	10/1/2018	10/1/2018	T1,R1	Black Board	
10	Packages	11/1/2018	11/1/2018	T1,R1	Black Board	
11	Class & Object Diagrams	12/1/2018	12/1/2018	T1,R1	Black Board	
12	Terms & concepts	12/1/2018	12/1/2018	T1,R1	Black Board	
13	Modeling Techniques	17/1/2018	17/1/2018	T1,R1	Black Board	
14	class diagram for ATM	18/1/2018	18/1/2018	T1,R9	Black Board	
15	Object Diagram for ATM	18/1/2018	18/1/2018	T1,R9	Black Board	
16	Revision of II Unit	19/1/2018	19/1/2018		Black Board	
17	Revision of II Unit	20/1/2018	20/1/2018		Black Board	
	UNIT-III					
	PART-I Basic Behavioral Modeling -I					
1	Basic Behavioral Modeling	22/1/2018	22/1/2018			
2	Interactions	23/1/2018	23/1/2018	T1,R1	Black Board	
3	Interaction Diagrams	24/1/2018	24/1/2018	T1,T2,R1	Power Point presentation,chalk and talk	
4	Sequence Diagrams	25/1/2018	25/1/2018	T1,R1	Black Board	
5	Collaboration Diagrams	29/1/2018	29/1/2018	T1,R3	Black Board	
6	Sequence Diagrams for ATM	30/1/2018	30/1/2018	T1,R4	Black Board	
7	Collaboration Diagrams for ATM	31/1/2018	31/1/2018	T1,R5	Black Board	
	PART-II Basic Behavioral Modeling -II					Master common patterns in Object Oriented design and implement them
1	Basic Behavioral Modeling -II	2/2/1018	2/2/1018	T1,T2,R1	video	
2	Usecases	3/2/2018	3/2/2018	T1,R1	Mind mapping ,chalk and talk	
3	Modeling Techniques	5/2/2018	5/2/2018	T1,T2,R1	Black Board	
4	Usecase Diagrams	10/2/2018	10/2/2018	T1,R1	mind mapping ,chalk and talk	
5	Common Modeling Techniques	10/2/2018	10/2/2018	T1,R6	Black Board	
6	Activity Diagrams	11/2/2018	11/2/2018	T1,R7	Black Board	
7	Common Modeling Techniques	12/2/2018	12/2/2018	T1,R1	Black Board	
8	Revision of Usecase Diagrams & Activity Diagrams	16/2/2018	16/2/2018		Black Board	
	UNIT-IV Advanced Behavioral Modeling					
1	Advanced Behavioral Modeling	17/2/2018	17/2/2018	T1,R1	Black Board	
2	Events & Signals	17/2/2018	17/2/2018	T1,T2,R1	Black Board	
3	State Machines , Process & Threads	19/2/2018	19/2/2018	T1,R1	Black Board	
4	Common Modeling Techniques	20/2/2018	20/2/2018	T1,R1	Black Board	
5	Time and Space	21/2/2018	21/2/2018	T1,T2,R1,R3	Black Board	

6	State chart Diagrams	22/2/2018	22/2/2018	T1,R1	Power Point presentation,chalk and talk,MATLAB Simulink usage	
7	Common Modeling Techniques	23/2/2018	23/2/2018	T1,R1	Power Point presentation,chalk and talk,MATLAB Simulink usage	
8	Revision for State chart Diagrams	24/2/2018	24/2/2018	T1,R1	Black Board	
9	Assignment for Advanced Behavioral Modeling	26/2/2018	26/2/2018	T1,T2,R1	Black Board	
10	Introduction to Architecural Modeling	28/2/2018	28/2/2018	T1,R1	Black Board	Be familiar with alternative development processes
11	slip test	3/3/2018	3/3/2018			
12	Component Introduction	5/3/2018	5/3/2018	T1,T2,R1,R3	Black Board	
13	Common Modeling Techniques for component	6/3/2018	6/3/2018	T1,R1	Black Board	
14	Deployment	7/3/2018	7/3/2018	T1,R1	Black Board	
15	Common Modeling Techniques for Deployment	8/3/2018	8/3/2018	T1,R1	Black Board	
16	Component Diagram & Examples	12/3/2018	12/3/2018	T1,R1	Black Board	
17	Common Modeling Techniques for component Digram	13/3/2018	13/3/2018	T1,R1	Black Board	
18	Deployment Diagram & Examples	14/3/2018	14/3/2018	T1,R1	Black Board	
19	Common Modeling Techniques for Deployment Diagrams	15/3/2018	15/3/2018	T1,R1	Black Board	
20	Component Diagram for ATM	16/3/2018	16/3/2018	T1,R1	Black Board	
21	Deployment Diagram for ATM	17/3/2018	17/3/2018	T1,R1	Black Board	
	UNIT-V Unified Library Application					
1	Unified Library Application	19/3/2018	19/3/2018	T1,R1	Black Board	
2	Use case Diagram for Library	20/3/2018	20/3/2018	T1,T2,R1,R3	Black Board	
3	Class Diagram for Library	21/3/2018	21/3/2018	T1,R1	Black Board	
4	Sequence Diagram for Library	22/3/2018	22/3/2018	T1,R1	Black Board	Be familiar with group/team projects and presentations, Be exposed to technical writing and oral presentations
5	Collaboration Diagram for Library	23/3/2018	23/3/2018	T1,T2,R1,R3	Black Board	
6	Activity Diagram for Library	24/3/2018	24/3/2018	T1,R1	Black Board	
7	State chart Diagram for Library	26/3/2018	26/3/2018	T1,T2,R2	Black Board	
8	Component Diagram for Library	27/3/2018	27/3/2018	T1,T2,R2	Black Board	
9	Deployment Diagram for Library	3/4/2018	3/4/2018	T1,T2,R2	Black Board	

SUB : WEB TECHNOLOGY		TEACHING SCHEME :	LECTURES	:6 hrs/week
CLASS : Third Year B-Tech	SEMESTER: II sem		PRACTICALS	:3 hrs/week
NAME OF FACULTY : A.VIJETHA		EXAMINATION SCHEME :	UNIVERSITY EXAM	:75 Marks
			SESSIONAL EXAM	: 25 Marks

LECTURE NO	DESCRIPTION	PLANNED DATES	ACTUAL DATES	REF USED	CONTENT DELIVERY METHODS / ICT TOOLS US	COURSE OUTCOMES
			UNIT-I Introduction to PHP			
1	Reading data from web form controls like text boxes	12/18/2017	12/18/2017	T2,R1	Power Point presentation	Gain knowledge of client's side scripting, validation of forms and AJAX programming.To understand of dom and sam
2	radio buttons, lists etc.	12/18/2017	12/18/2017	T1,R1	Power Point presentation	
3	Handling File Uploads.	12/19/2017	12/20/2017	T1,R1	Power Point presentation	
4	Connecting to database (MySQL as reference)	12/19/2017	12/20/2017	T2,R6	Power Point presentation	
5	executing simple queries	12/20/2017	12/20/2017	T2,R7	Power Point presentation	
6	Handling results	12/21/2017	12/21/2017	T2,R8	Power Point presentation	
7	Handling sessions and cookies	12/22/2017	12/22/2017	T2,R9	Power Point presentation	
8	on text and binary files, listing directories.	12/28/2017	12/28/2017	T2	Laboratory	
			UNIT-II XML			
			UNIT-III Introduction to Servlets			
1	**Introduction to Servlets:** Common Gateway Interface (CGI)	1/29/2018	1/29/2018	T1,R1	LCD Projector	Have understanding of what is XML and how to parse and use XML data with java.
2	Life cycle of a Servlet, deploying a servlet	1/30/2018	1/30/2018	T1,R1	SMART CLASSROOM	
3	The Servlet API, Reading Servlet parameters, Reading Initialization parameters	1/31/2018	1/31/2018	T1,R1	Power Point presentation	
4	Handling Http Request & Responses	2/3/2018	2/3/2018	T1,R1	Power Point presentation	
5	connecting to a database using JDBC.	2/6/2018	2/6/2018	T1,R1	http://nptel.ac.in/courses/106105084/	
			UNIT-IV Introduction to JSP			
1	**Introduction to JSP:** The Anatomy of a JSP Page	2/22/2018	2/24/2018	T1,R1	Laboratory	To introduce server side programming with java servlets and JSP.
2	JSP Processing, Declarations, Directives, Expressions	2/23/2018	2/24/2018	T1,R1	Laboratory	
3	Code Snippets, implicit objects, Using Beans in JSP Pages	2/26/2018	2/26/2018	T1,R1	Power Point presentation	
4	Using Cookies and session for session tracking	2/27/2018	2/27/2018	T1,R1	Power Point presentation	
5	connecting to database in JSP.	2/28/2017	3/5/2018	T1,R1,R3	http://nptel.ac.in/courses/106105084/	
			UNIT-V Client side Scripting			
1	**Client side Scripting:** Introduction to Javascript	3/12/2018	3/12/2018	T1,R1,R3	Laboratory	To introduce Client side scripting with java script and AJAX.
2	Javascript language – declaring variables, scope of variables, functions	3/15/2018	3/15/2018	T1,R1	Power Point presentation	
3	event handlers (onclick, onsubmit etc.), Document Object Model	3/21/2018	3/21/2018	T1,R1	http://nptel.ac.in/courses/106105084/	

SUB :FINANCIAL ACCOUNTING AND ANALYSIS		TEACHING SCHEME :	LECTURES	:5 hrs/week
CLASS : MBA I YEAR	SEMESTER:I		PRACTICALS	:NIL
NAME OF FACULTY : D SRISHAILAM		EXAMINATION SCHEME : UNIVERSITY EXAM :75 Marks		
			SESSIONAL EXAM : 25 Marks	

LECTURE NO	DESCRIPTION	PLANED DATES	REF USED	CONTENT DELIVERY METHODS / ICT TOOLS USED	COURSE OUTCOMES
	UNIT-I Introduction to Accounting				
	PART-I INTRODUCTION				
1	Introduction of Accounting		T1,R1	Black Board	Understand the concepts and conventions of accounting and their importance in business
2	Importance, Objectives Of Accounting	8/28/2017	T1,T2,R2	Power Point presentation,chalk and talk	
3	Principles, Accounting Concepts	8/29/2017	T1,R1	Black Board	
4	Accounting conventions	8/30/2017	T2,R1	Power Point presentation,chalk and talk	
5	GAAP	9/1/2017	T1,R1	Black Board	
	PART-II Double entry system				
1	their implications onaccounting system	9/1/2017	T1,T2,R1	Black Board	Use of double entry system and accounting cycle
2	Double entry system	9/2/2017	T1,R1	Black Board	
3	recording business transactions	9/4/2017	T1,R1	Power Point presentation,chalk and talk	
4	Classification of accounts	9/5/2017	T1,R2	Power Point presentation,chalk and talk	
5	Accounting cycle	9/6/2017	T1,R1	Black Board	
	UNIT-IIThe Accounting Process				
1	Overview, Books of Original Record	9/7/2017	T1,R1	Black Board	I mportance of journal, ledger, and final accounts in business inistitutions
2	Journal, ledger	9/8/2017	T1,T2,R2	Black Board	
3	Trial Balance	9/12/2017	T1,T2,R1,R3	Power Point presentation,mind mapping ,chalk and talk	
4	Classification of capital and revenue expenses	9/15/2017	T1,T2,R1	mind mapping, Black Board	
5	Final Accounts with adjustments	9/20/2017	T1,T2,R1,R3	Black Board	
	PART-II Depreciation				
1	Methods of depreciation	9/21/2017	T1,R1	Black Board	calculation of depreciation and book value of machines in manufacturing units
2	impact on measurement of Accounting	9/22/2017	T1,T2,R1	Power Point presentation,chalk and talk	
3	Depreciation on fixed assets	9/24/2017	T1,T2	Black Board	
4	strataight line method	9/26/2017	T1,R1	Black Board	
5	deminishing balance method	9/28/2017	T1,R1	Black Board	
	UNIT-III Inventory Valuation				
	PART-I of inventory valuation and valuation of goodwill				
1	Inventory Valuation	10/1/2017	T1,T2,R1	lecture method, Black Board	Apply various methods of inventory in stores and importance of goodwill
2	Methods of inventory	10/3/2017	T1,R1	Mind mapping ,chalk and talk	
3	first in first out and last in first out	10/5/2017	T1,T2,R1	Black Board	
4	simple average and weighted average method	10/7/2017	T1,R1	Black Board	
5	methods of valuation of goodwill	10/10/2017	T1,R1	mind mapping ,chalk and talk	
	PART-II				
1	Accounting from incomplete records	10/12/2017	T1,R1	Black Board	

2	advantages and disadvantages of single entry	10/14/2017	T1,R1	Power Point presentation,chalk and talk	standared accounting information for getting awareness on statements of business
3	double entry system and the differences between the two	10/15/2017	T1,T2,R1,R3	Black Board	
4	preparation of accounts, and ascertainment of profit from incomplete records	10/20/2017	T1,R1	Mind mapping ,chalk and talk	
5	Treatment as per the statement of affairs method	10/24/2017		Black Board	
6	calculation of missing figures	10/26/2017	T1,R1	Mind mapping(Graph sheet) ,chalk and talk	
	UNIT-IV Financial Analysis-I				
1	Statement of Changes in Working Capital	10/28/2017	T1,R1	Black Board	use of working capital, funds flow and cash flow statemets for the use of business fund inflows and out flows
2	Funds from Operations	11/2/2017	T1,T2,R1	Black Board	
3	paid cost and unpaid costs	11/3/2017	T1,R1	Black Board	
4	Distinction between cash profits and book profits	11/5/2017	T1,R1	Black Board	
5	Preparation and analysis of cash flow statement	11/7/2017	T1,T2,R1,R3	Black Board	
6	funds flow statement	11/9/2017	T1,R1	Power Point presentation,chalk and talk,MATLAB Simulink usage	
7	problems on cach flow stament	11/10/2017		Black Board	
8	Problems on funds flows stament	11/14/2017	T1,R1	Power Point presentation,chalk and talk	
9	Analysis and interpretation of financial statements	11/16/2017	T1,T2,R1,R3	Black Board	use of financial statements and calculation of ratios for the knowing performance of the business inistitutions
10	Horizontal Analysis and Vertical Analysis of Company	11/18/2017	T1,R1	Black Board	
11	Financial Statements	11/20/2017	T1,R1	Black Board	
12	Liquidity, leverage, solvency and profitability ratios	11/27/2017	T1,T2,R1,R3	Black Board	
13	Problems on ratios	12/4/2017	T1,R1	Black Board	
14	Problems on ratios	12/7/2017	T1,T2,R2	Black Board	
	PART-II				
1	Du Pont Chart	12/13/2017	T1,R1	Black Board	use Du pont chart and accounting standards
2	Accounting StandardsIssued by ICAI	12/14/2017	T1,R1	Black Board	
3	Focus on importance of Standards togive a general view on Financial Accounting	12/16/2017	T1,R1	Power Point presentation,chalk Board	
4	International Financial Reporting Standards	12/18/2017	T1,T2,R1,R3	Black Board	