

Website: www.jntuk.edu.in
Email: dap@jntuk.edu.in



Phone: 0884-2300991
Mobile: 8008631555

Directorate of Academic Planning
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
KAKINADA-533003, Andhra Pradesh, INDIA
(Established by AP Government Act No. 30 of 2008)

Lr. No. 01-08/JNTUK/DAP/AC/B. Tech-B. Pharmacy/II-III-IV Year/2020-21

Date: 29-12-2020

Dr. R. Srinivasa Rao,
Director, Academic Planning
JNTUK, Kakinada

To
All the Principals of Affiliated Colleges,
JNTUK, Kakinada.

Academic Calendar for II, III and IV - B. Tech & B. Pharmacy
Academic year 2020-21

I SEMESTER			
Description	From	To	Weeks
Commencement of Class Work	02.11.2020		
I Unit of Instruction	02.11.2020	19.12.2020	7W
II Unit of Instructions	21.12.2020	23.01.2021	5W
I Mid Examinations	25.01.2021	30.01.2021	1W
II Unit of Instructions(Continued)	01.02.2021	20.02.2021	3W
II Mid Examinations	22.02.2021	27.02.2021	1W
Preparation & Practicals	01.03.2021	06.03.2021	1W
End Examinations	08.03.2021	20.03.2021	2W
Commencement of II Semester Class Work	22.03.2021		
II SEMESTER			
I Unit of Instructions	22.03.2021	08.05.2021	7W
I Mid Examinations	10.05.2021	12.05.2021	1/2W
II Unit of Instructions	13.05.2021	30.06.2021	7W
II Mid Examinations	01.07.2021	03.07.2021	1/2W
Preparation & Practicals	05.07.2021	10.07.2021	1W
End Examinations	12.07.2021	24.07.2021	2W
Commencement of next Year Class Work			
<i>Note: Calendar is prepared with 8 hrs/day hence 7 weeks per instruction period</i>			

R. Srinivasa Rao
Director Academic Planning
Academic Planning
JNTUK Kakinada

Copy to the Secretary to the Hon'ble Vice Chancellor, JNTUK
Copy to Rector, JNTUK
Copy to Registrar, JNTUK
Copy to Director Academic Audit, JNTUK
Copy to Director of Evaluation, JNTUK

[Signature]
PRINCIPAL
BABA INSTITUTE OF TECHNOLOGY AND SCIENCES
EAKKANAPALEM (V), P.M. PALEM,
MADHURAWADA
VISAKHAPATNAM - 530 048

BABA INSTITUTE OF TECHNOLOGY AND SCIENCES

DEPARTMENT OF MECHANICAL ENGINEERING

ACADEMIC CALENDAR (2020-21)

W.E.F:2/11/2020

REF: BITS/MECH/36/2020-21


Activities in semester-I (2020-21)

Month	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Activities
NOVEMBER	1	2	3	4	5	6	7	2/11/2020: College start 14 :Second Saturday 4:department staff meeting 5:Students Interaction 14: Diwali
	8	9	10	11	12	13	14	
	15	16	17	18	19	20	21	
	22	23	24	25	26	27	28	
	29	30						
DECEMBER			1	2	3	4	5	12:Second Saturday 25: Christmas 17:department staff meeting
	6	7	8	9	10	11	12	
	13	14	15	16	17	18	19	
	20	21	22	23	24	25	26	
	27	28	29	30	31			
JANUARY						1	2	25/1/2021 to 30/1/2021: II,III,IV Years MID-I Exams 27: department staff meeting 13/1/2021 to 15/1/2021: Pongal 26: Republic day :Parents Meet 9:Second Saturday
	3	4	5	6	7	8	9	
	10	11	12	13	14	15	16	
	17	18	19	20	21	22	23	
	24	25	26	27	28	29	30	
FEBRUARY		1	2	3	4	5	6	15:Students Interaction 22/2/2021 to 27/2/2021: II,III,IV Years MID-II Exams 13:Second Saturday 25:department staff meeting
	7	8	9	10	11	12	13	
	14	15	16	17	18	19	20	
	21	22	23	24	25	26	27	
	28							
MARCH		1	2	3	4	5	6	1/3/2021 to 6/3/2021: Lab Externals 8/3/2021 to 20/3/2021: End Exams 13:Second Saturday 11: Maha Shivaratri 29: Holi
	7	8	9	10	11	12	13	
	14	15	16	17	18	19	20	
	21	22	23	24	25	26	27	
	28	29	30	31				
Month	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Activities
MARCH		1	2	3	4	5	6	22/3/2021: College start 13 :Second Saturday 24:department staff meeting 25:Students Interaction
	7	8	9	10	11	12	13	
	14	15	16	17	18	19	20	
	21	22	23	24	25	26	27	
	28	29	30	31				


 PRINCIPAL
 BABA INSTITUTE OF TECHNOLOGY AND SCIENCES
 BAKKANAPALEM (V), P.M. PALEM,
 MADHURAVADA
 VISAKHAPATNAM - 530 049

APRIL					1	2	3		10:Second Saturday 13:department staff meeting 2: Good Friday 14: Ambedkar Jayanthi 21: Rama Navami
	4	5	6	7	8	9	10		
	11	12	13	14	15	16	17		
	18	19	20	21	22	23	24		
	25	26	27	28	29	30			
MAY							1		10/5/2021 to 12/5/2021: II,III,IV Years MID-I Exams 11: department staff meeting 14: Ramzan 15:Parents Meet 8:Second Saturday
	2	3	4	5	6	7	8		
	9	10	11	12	13	14	15		
	16	17	18	19	20	21	22		
	23	24	25	26	27	28	29		
	30	31							
JUNE			1	2	3	4	5		8:Students Interaction 12:Second Saturday 16:department staff meeting
	6	7	8	9	10	11	12		
	13	14	15	16	17	18	19		
	20	21	22	23	24	25	26		
	27	28	29	30					
JULY					1	2	3		1/7/2021 to 3/7/2021: II,III,IV Years MID-II Exams 5/7/2021 to 10/7/2021: Lab Externals 12/7/2021 to 24/7/2021: End Exams 10:Second Saturday 21: Bakrid
	4	5	6	7	8	9	10		
	11	12	13	14	15	16	17		
	18	19	20	21	22	23	24		
	25	26	27	28	29	30	31		

	Department meetings
	Parents meetings
	Work shops
	International conferences
	Second Saturdays
	Students interactions
	Class work starting
	Exams
	Holidays
	IQAC Staff meeting


 PRINCIPAL
 BABA INSTITUTE OF TECHNOLOGY AND SCIENCES
 BAKKANNAPELEM (V), P.M. PALEM,
 MADHURAWADA
 NISAKHAPATNAM - 530 048

BABA INSTITUTE OF TECHNOLOGY AND SCIENCES

(Approved by AICTE New Delhi, NAAC Accredited, Affiliated to JNTU Kakinada, ISO 9001-2008 Certified)

Bakkannapalem Village, Madhurawada Post, Visakhapatnam – 530 048

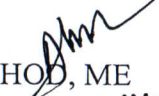
Department of Mechanical Engineering

Work Load Distribution and Additional Responsibilities

SI No	Faculty Name	Designation	Sub 1	Sub 2	Sub 3	Lab 1	Lab 2	Lab 3	Total Work Load
1	A S B Prasanna	Assoc	DMM-II	DMM-II	ED I				20
2	Fathimunisa Begum	Assoc	TD	TD	THPM	TE			24
3	Ch Venkata Rao	Assoc	CM	CM		CAD/CAM	CAD/CAM		24
4	P Uma Chaitanya	Assoc	TE-II	TE-II		TE			18
5	D V Padmaja	Assist	MOS	MOS		ED I		ED-4A	24
6	S Ananth	Assist	FEM	FEM	ED-2	MOS			26
7	A Sireesha	Assist	PT	PT		PT	PT	ED-1	30
8	R Rajesh	Assist	MCMT	MCMT		MCMT	MCMT	ED-2	30
9	Vikas Ranjan	Assist	MECH	MECH		MECH	MECH		24
10	S Ganapathi	Assist	PPE	PPE		THPM	MOS		24
11	P Raghu	Assist	MD	MD		ED-3 A	ED-3B		24
12	D Sai Chandra	Assist	DOM	DOM		TOM	TOM	ED-2	30
13	M L Suguna	Assist	MMS	MMS	CRT-8, ECL-4	MMS	MMS		30
14	NR1		ED-3A	ED-3B		ED-4A	ED-4B		28
15	NR2		ED-4A	ED-4B		ED-3A	ED-3B		28
16	NR3		DFM	DFM		MD	MD	ED-4B	30

ED-1: CIVIL
 ED-2: EEE
 ED-3A: MECH
 ED-3B: MECH
 ED-4A: ECE
 ED-4B: ECE


 PRINCIPAL
 BABA INSTITUTE OF TECHNOLOGY AND SCIENCES
 BAKKANNAPALEM (V), P.M. PALEM,
 MADHURAWADA
 VISAKHAPATNAM - 530 048


 HOD, ME
 Head, Department of Mechanical Engineering
 Baba Institute of Technology and Sciences
 P.M. Palem, Visakhapatnam-48
 PRINCIPAL
 BABA INSTITUTE OF TECHNOLOGY AND SCIENCES
 BAKKANNAPALEM (V), P.M. PALEM,
 MADHURAWADA
 VISAKHAPATNAM - 530 048



BABA INSTITUTE OF TECHNOLOGY AND SCIENCES

DEPARTMENT OF MECHANICAL ENGINEERING

TIME-TABLE- ACADEMIC YEAR 2020-21 II SEMESTER

Class : II B.Tech

Section: Mech - A

w.e.f. 26.04.2021

Class Incharge : D V Padmaja

DAY	9:30-10:10	10:30-11:10	11:30-12:10	2:00-2:40
MONDAY	MCMT	DMM-I	CVSM	KOM
TUESDAY	ATD	KOM	DMM-I	CVSM
WEDNESDAY	KOM	FMHM	ATD	MCMT
THURSDAY	ATD	FMHM	DMM-I	CVSM
FRIDAY	FMHM	KOM	ATD	MCMT
SATURDAY	CVSM	DMM-I	MCMT	FMHM

NAME OF THE SUBJECT & FACULTY

CVSM	Neelima	MCMT	M L Sugunamani
DMM-I	A S B Prasanna	FMHM	A Sireesha
KOM	D V Padmaja	ATD	S Ganapathi


CLASS INCAHRGE


TIME TABLE COORDINATOR


HOD


PRINCIPAL

Head, Department of Mechanical Engineering
Baba Institute of Technology and Sciences

PM Palem, Visakhapatnam-48

PRINCIPAL
BABA INSTITUTE OF TECHNOLOGY AND SCIENCES
BAKKANNAPALEM (V), P.M. PALEM,
MADHURAWADA
VISAKHAPATNAM - 530 048


BABA INSTITUTE OF TECHNOLOGY AND SCIENCES
BAKKANNAPALEM (V), P.M. PALEM,
MADHURAWADA
VISAKHAPATNAM - 530 048



BABA INSTITUTE OF TECHNOLOGY AND SCIENCES

DEPARTMENT OF MECHANICAL ENGINEERING

TIME-TABLE- ACADEMIC YEAR 2020-21 II SEMESTER

Class : II B.Tech

Section: Mech - B

w.e.f. 26.04.2021

Class Incharge : S Ganapathi

DAY	9:30-10:10	10:30-11:10	11:30-12:10	2:00-2:40
MONDAY	FMHM	ATD	KOM	CVSM
TUESDAY	CVSM	FMHM	ATD	DMM-I
WEDNESDAY	ATD	MCMT	DMM-I	CVSM
THURSDAY	KOM	DMM-I	MCMT	FMHM
FRIDAY	MCMT	DMM-I	CVSM	KOM
SATURDAY	MCMT	ATD	FMHM	KOM

NAME OF THE SUBJECT & FACULTY

CVSM	Neelima	MCMT	M L Sugunamani
DMM-I	A S B Prasanna	FMHM	A Sireesha
KOM	D V Padmaja	ATD	S Ganapathi

CLASS INCHARGE

TIME TABLE COORDINATOR

HOD

PRINCIPAL

Head, Department of Mechanical Engineering
Baba Institute of Technology and Sciences
PM Palem, Visakhapatnam-48

PRINCIPAL
BABA INSTITUTE OF TECHNOLOGY AND SCIENCES
BAKKANNAPALEM (V), P.M. PALEM,
MADHURAWADA
VISAKHAPATNAM - 530 048

PRINCIPAL
BABA INSTITUTE OF TECHNOLOGY AND SCIENCES
BAKKANNAPALEM (V), P.M. PALEM,
MADHURAWADA
VISAKHAPATNAM - 530 048



BABA INSTITUTE OF TECHNOLOGY AND SCIENCES

(Approved by AICTE, N.Delhi & Affiliated to JNTU, Kakinada)

PM Palem, Madhurawada, Visakhapatnam- 530048.


An ISO 1998-2001 Certified Institution

DEPARTMENT OF MECHANICAL ENGINEERING

LESSON PLAN

Name of the faculty: CH.VENKATA RAO	W.E.F:	22/03/21	
Subject: QUALITY AND RELIABILITY ENGINEERING	L.W.D:	30/06/21	
Branch: MECHANICAL	MID-1:	10/05/21	12/05/21
Year/Semester/Section: IV/II - B	MID-2:	01/07/21	03/07/21
Total hours planned:63	END EXAMS:	12/07/21	24/07/21

LECTURE NUMBER	TOPIC/UNIT	TEXT BOOK	INITIAL OF HOD	REMARKS
UNIT- I (INTRODUCTION)				
1	Quality Engineering Introduction	T1,T3, R2		
2	Quality value and Engineering			
3	Quality systems,			
4	Quality Engineering in Product Design			
5	Quality Engineering in Production process			
6	Quality Engineering in Production process			
7	System design			
8	Parameter design			
9	Tolerance Design			
10	Quality cost			
11	Quality improvement			
UNIT- II				
12	Statistical Process control	T1,T2, R4		
13	X-bar , R charts			
14	X –bar related problems solved			
15	R-chart related problems solved			
16	P charts			
17	P-chart related problems solved			
18	C charts and related problems solved			
19	Other types of control charts			
20	Process capability and capability analysis			
21	Process capability index			
22	Problems solved			
UNIT- III				
23	Accepting Sampling by Variables	T3, R4,R5		
24	Problems solved for variables			
25	Accepting Sampling by Attributes			
26	Problems solved for attributes			
27	Accepting Sampling by Attributes			
28	Design of sampling plans by single			
29	Problems solved for single sampling			
30	Design of sampling plans by Double			
31	Problems solved for double sampling			
32	Sequential sampling plans			
33	Continuous sampling plans			
34	Design of various sampling plans			
35	Old question paper Problems solved			
36	Old question paper Problems solved			


 PRINCIPAL
 BABA INSTITUTE OF TECHNOLOGY AND SCIENCES
 BAKKANAPALEM (V), P.M. PALEM,
 MADHURAWADA
 VISAKHAPATNAM - 530 048

UNIT- IV			
37	Loss function, Tolerance Design	T1,T2, R6	
38	Determination of tolerance for N,L S types		
39	Online Quality control, Parameter design		
40	Variable and Attributes characteristics		
41	Quality Function deployment		
42	House of Quality		
43	QFD matrix, TQM concept		
44	Quality information systems, Quality circles		
45	Introduction to ISO 9000 Standards		
46	Problems solved		
UNIT- V			
47	Reliability, Evaluation of design by test	T2,R3	
48	Hazard models		
49	Linear, Reliegh and Weibull		
50	Failure data analysis		
51	Reliability prediction based on Weibull distribution		
52	Reliability Improvement		
UNIT- VI			
53	Complex system, Reliability	T3,R3	
54	Reliability of series, parallel		
55	Stand by systems, complex systems		
56	Reliability prediction and system effectiveness		
57	Maintainability, Availability		
58	Economics of reliability Engineering		
59	Replacement of Items, Maintenance costing		
60	Budgeting, reliability Testing		
61	Revision for unit I & II		
62	Revision for unit III & IV		
63	Revision for unit V & VI		

Books recommended

T1	Quality Engineering in Production Systems by G.Taguchi
T2	Reliability Engineering by E.BalaGuruswamy
T3	Statistical Quality Control: A Modern Introduction by Montgomery
R1	Jurans Quality Planning & Analysis by Frank. M.Gryna.Jr.
R2	Taguchi Techniques for Quality Engineering by P.J.Ross
R3	Reliability Engineering by L.S.Srinath
R4	Statistical Process Control by E.G.Richard Leavenworth
R5	Otimization& Variation reduction in Quality by W.A.Taylor
R6	Quality and Performance Excellence by James R.Evans




SIGNATURE OF FACULTY



SIGNATURE OF HOD



PRINCIPAL
BABA INSTITUTE OF TECHNOLOGY AND SCIENCES
BAKKANNAPALEM (V), P.M. PALEM,
MADHURAWADA
VISAKHAPATNAM - 530 048



PRINCIPAL
BABA INSTITUTE OF TECHNOLOGY AND SCIENCES
BAKKANNAPALEM (V), P.M. PALEM,
MADHURAWADA
VISAKHAPATNAM - 530 048

Head, Department of Mechanical Engineering
Baba Institute of Technology and Sciences
Palem, Visakhapatnam-48



Estd: 2008

BABA INSTITUTE OF TECHNOLOGY AND SCIENCES

(Approved by AICTE New Delhi, NAAC Accredited, Affiliated to JNTU Kakinada, ISO 9001-2008 Certified)
Bakkannapalem Village, Madhurawada Post, Visakhapatnam - 530 048

% of Syllabus Covered for the AY 2020-21 till 1-2-2021 : MECHANICAL DEPARTMENT

Sl No	Branch	Year	Sec	Sub1	Sub 2	Sub 3	Sub 4	Sub 5	Sub 6
1	Mech	2	A	VC&FT(45%)	MOS(45%)	MMS(50%)	PT(50%)	TD(45%)	MD(50%)
		2	LE	VC&FT(45%)	MOS(45%)	MMS(50%)	PT(50%)	TD(45%)	MD(50%)
3		3	A	DOM(75%)	DMM-II(80%)	OR(80%)	MCMT(90%)	TE-II(80%)	IPRP(80%)
4			B	DOM(75%)	DMM-II(80%)	OR(80%)	MCMT(90%)	TE-II(80%)	IPRP(80%)
5		4	A	CAD/CAM(75%)	Mecha(90%)	FEM(80%)	PPE(80%)	DFM(80%)	CM(85%)
6			B	CAD/CAM(75%)	Mecha(90%)	FEM(80%)	PPE(80%)	DFM(80%)	CM(85%)

NAME OF THE SUBJECT & FACULTY

2 nd YEAR		3 rd YEAR		4 th YEAR	
SUBJECT	FACULTY	SUBJECT	FACULTY	SUBJECT	FACULTY
VC&FT	D N Murthy	DOM	Sai Chandra	CAD/CAM	N Ramesh
MOS	D V Padmaja	DMM-II	A. S. Bhanu Prasanna	Mechatronics	Vikas Ranjan
MMS	M L Sugunamani	OR	D N Murthy	FEM	S. Ananth
PT	A Sireesha	MCMT	R Rajesh	PPE	Ganapathi
TD	Fathimunisa Begum	TE-II	P Uma Chaitanya	DFM	P Raghu
MD	P Raghu	IPRP	Lakshmi	CM	Ch Venkata Rao

[Signature]
HOD

[Signature]

Head, Department of Mechanical Engineering
Baba Institute of Technology and Sciences
P.M. Palem, Visakhapatnam-48

PRINCIPAL
BABA INSTITUTE OF TECHNOLOGY AND SCIENCES
BAKKANNAPALEM (V), P.M. PALEM,
MADHURAWADA
VISAKHAPATNAM - 530 048