

2007 -2008

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD
B.TECH. AERONAUTICAL ENGINEERING**

I Year

Code	Subject	T	P/D	C
231	English	2+1	0	4
363	Mathematics -I	3+1*	0	6
226	Engineering Physics	2+1	0	4
224	Engineering Mechanics	3+1	0	6
431	Numerical Methods	3+1*	0	6
106	C Programming & data structures	3+1	0	6
223	Engineering Graphics	0	6	8
	New Introduction to Aerospace Engineering -	2	0	4
144	Computer Programming Lab	0	3	4
230	Engineering Work Shop Practice	0	3	4
232	English Language Communication skills Lab	0	3	4
TOTAL		24	15	56

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD
B.TECH. AUTOMOBILE ENGINEERING
I Year
COURSE STRUCTURE**

CODE	SUBJECT	T	P/D	C
HS 05231	English	2	0	4
MA 05363	Mathematics -I	3	0	6
MA 05361	Mathematical Methods	3	0	6
PY 05226	Engineering Physics	2 +1*	0	4
CM 05219	Engineering Chemistry	2	0	4
ME 05224	Engineering Mechanics	2+1*	0	4
New	Computer Programming and Data Structures	2+1*	0	4
ME 05223	Engineering Graphics	0	6	8
ME 05228	Engineering Physics and Fuels & Lubricants Lab	0	3	4
HS 05232	English Language Communication Skills Lab	0	3	4
CS 05144	Computer Programming Lab	0	3	4
ME 05230	Engineering Work Shop Practice	0	3	4
Total		21	16	56

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY,
HYDERABAD**

B.TECH BIOMEDICAL ENGINEERING

**I Year
COURSE STRUCTURE**

CODE	SUBJECT	T	P/D	C
HS05231	English	2 +1	-	4
MA05363	Mathematics – I	3 +1	-	6
MA05361	Mathematical Methods	3 +1	-	6
PY05047	Applied Physics	2 +1	-	4
CS05106	C Programming & Data Structures	3 +1	-	6
EC05422	Network Analysis	2+1*	-	4
EC05210	Electronic Devices & Circuits	3+1*	-	6
ME05220	Engineering Drawing	-	3	4
CS05144	Computer Programming Lab.	-	3	4
CS05337	IT Workshop	-	3	4
EC05211	Electronic Devices & Circuits Lab.	-	3	4
HS05232	English Language Communication skills Lab	-	3	4
TOTAL		25	15	56

2007-2008
**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD
B.TECH. BIO-TECHNOLOGY
I Year COURSE STRUCTURE**

CODE	SUBJECT	T	P/D	C
CSO5143	C Computer Programming & Data Structures	3	-	6
HS05231	English	2+1	-	4
EE05066	Basic Electrical and Electronics Engineering	3	-	6
BT05273	Fundamentals of Biology	4+1*	-	8
MA05367	Mathematics - I	3+1*	-	6
BT05483	Process Engineering Principles	3+1*	-	6
ME05220	Engineering Drawing	-	3	4
ME05230	Engineering Workshop Practice	-	3	4
CS05144	Computer Programming Lab	-	3	4
EE05067	Basic Electrical and Electronics Engineering Lab	-	3	4
HS05232	English Language Communication Skills Lab	-	3	4
Total		22	15	56

2007-2008

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD

B.TECH. CHEMICAL ENGINEERING

I Year

COURSE STRUCTURE

Subject	T	P/D	C
English	2	0	4
Mathematics-I	3+1*	0	6
Engineering Physics	2	0	4
Engineering Mechanics	2+1*	0	4
Physical Chemistry (New Syl)	2	0	4
C Programming & Data Structures	3	0	6
Introduction to Chemical Engineering (<i>New syllabus</i>)	2	0	4
Engineering Graphics (<i>New Course</i>)	0	6	8
Computer Programming Lab	0	3	4
Chemistry Lab(New Syl)	0	3	4
English Language Communication Skills Laboratory	0	3	4
Engineering Work Shop Practice	0	3	4
Total	18	18	56

2007-2008

1

CIVIL ENGINEERING
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD

B.TECH. CIVIL ENGINEERING

I Year

COURSE STRUCTURE

<u>S.NO.</u>	<u>CODE.NO.</u>	<u>SUBJECT</u>	<u>T</u>	<u>P/D</u>	<u>C</u>
	HS05231	ENGLISH	2	0	4
	MA05363	MATHEMATICS – I	3+1*	0	6
	PY05226	ENGINEERING PHYSICS	2	0	4
	CM05044	APPLIED CHEMISTRY	2	0	4
	CE05046	APPLIED MECHANICS	4+1*	0	8
	CS05106	C - PROGRAMMING AND DATA STRUCTURES	3	0	6
	ME05223	ENGINEERING GRAPHICS	0	6	8
	PY05227	ENGINEERING PHYSICS AND APPLIED CHEMISTRY LAB	0	3	4
	CS05144	COMPUTER PROGRAMMING LAB.	0	3	4
	ME05230	ENGINEERING WORKSHOP PRACTICE	0	3	4
	HS05232	ENGLISH LANGUAGE COMMUNICATION SKILLS LABORATORY	0	3	4
TOTAL			18	18	56

2007-2008

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD.**

B. TECH. COMPUTER SCIENCE AND ENGINEERING

I Year

COURSE STRUCTURE

Code	Subject	T	P/D	C
HS 07231	English	2	-	4
MA 07363	Mathematics – I	3	-	6
MA 07361	Mathematical Methods	3	-	6
PY 07047	Applied Physics	2	-	4
CS 07106	C Programming and Data Structures	3+1*	-	6
EE 07068	Basic Electrical Engineering	3+1*	-	6
EC 07210	Electronics Devices & Circuits	2+1*	-	4
ME 07220	Engineering Drawings	-	3	4
CS 07144	Computer Programming Lab	-	3	4
EE 07188	Electrical and Electronics Lab	-	3	4
HS 07232	English Language Communications Skills Lab	-	3	4
CS 07337	IT Work-Shop	-	3	4
	Total	21	15	56

2007-2008

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD.**

B. TECH. COMPUTER SCIENCE & SYSTEMS ENGINEERING

I Year

COURSE STRUCTURE

Code	Subject	T	P	C
HS 07231	English	2	-	4
MA 07363	Mathematics – I	3	-	6
MA 07361	Mathematical Methods	3	-	6
PY 07047	Applied Physics	2	-	4
CS 07106	C Programming and Data Structures	3+1*	-	6
EE 07068	Basic Electrical Engineering	2+1*	-	4
EC 07210	Basic Electronics Engineering	2+1*	-	4
ME 07220	Engineering Graphics	-	6	8
CS 07144	Computer Programming Lab	-	3	4
EE 07188	Electrical and Electronics Lab	-	3	4
HS 07232	English Language Lab	-	3	4
CS 07337	IT Work-Shop	-	3	4
	Total	20	18	56

2007-2008

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KUKATPALLY, HYDERABAD-500 085**

B.TECH ELECTRICAL & ELECTRONICS ENGINEERING

I year

Proposed Course Structure

CODE	SUBJECT	T	P/D	C
231	English	2	-	4
363	Mathematics-I	3	-	6
047	Applied Physics	2	-	4
361	Mathematical Methods	3	-	6
106	C Programming & Data Structures	3+1*	-	6
189	Electrical Circuits Analysis	3+1*	-	6
210	Basic Electronic Devices and Circuits	2+1	-	4
	Engineering Drawing (New)	-	3	4
144	Computer Programming Lab	-	3	4
211	Electronic Devices and Circuits Lab	-	3	4
*	Engineering Workshop & IT Workshop	-	3	4
232	English Language Communication Skills Lab	-	3	4
	Total	21	15	56

2007-2008

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY,
HYDERABAD

B.TECH. ELECTRONICS & COMMUNICATION ENGINEERING
COURSE STRUCTURE

I Year:

Sl.No:	Code	Subject	T	P/D	C
1.	HS 05231	English	2+0	-	4
2.	MA 05363	Mathematics - I	3+0	-	6
3.	MA 05361	Mathematical Methods	3+0	-	6
4.	PY 05047	Applied Physics	2+0	-	4
5.	CS 05106	C Programming & Data Structures	3+0	-	6
6.	EC 05422	Network Analysis	2+1	-	4
7.	EC 05210	Electronic Devices and Circuits	3+1	-	6
8.	ME 05220	Engineering Drawing	-	3	4
9.	CS 05144	Computer Programming Lab.	-	3	4
10.	CS 05337	IT Workshop	-	3	4
11.	EC 05211	Electronic Devices and Circuits Lab.	-	3	4
12.	HS 05232	English Language Communication Skills Lab.	-	3	4
TOTAL:			20	15	56

2007-2008

1

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD.
B.TECH. ELECTRONICS & COMPUTER ENGINEERING
I Year
COURSE STRUCTURE**

CODE	SUBJECT	T	P/D	C
HS 05231	English	2	-	4
MA 05363	Mathematics – I	3	-	6
MA 05361	Mathematical Methods	3	-	6
PY 05047	Applied Physics	2	-	4
CS 05106	C Programming & Data Structures	3	-	6
EC 05422	Network Analysis	2+1*	-	4
EC 05210	Electronic Devices and Circuits	3+1*	-	6
ME 05220	Engineering Graphics	-	3	4
CS 05144	Computer Programming Lab.	-	3	4
CS 05337	IT Workshop	-	3	4
EC 05211	Electronic Devices and Circuits Lab.	-	3	4
HS 05232	English Language communication skills Lab.	-	3	4
TOTAL		20	15	56

2007-2008
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KUKATPALLY, HYDERABAD-500 085
B.TECH ELECTRONICS & CONTROL ENGINEERING
I year

CODE	SUBJECT	T	P/D	C
231	English	2	-	4
363	Mathematics-I	3	-	6
047	Applied Physics	2	-	4
361	Mathematical Methods	3	-	6
106	C Programming & Data Structures	3+1	-	6
189	Network Analysis	3+1	-	6
210	Electronics Devices and Circuits	2+1	-	4
223	Engineering Drawing	-	3	4
144	Computer Programming Lab	-	3	4
211	Electronics Devices and Circuits Lab	-	3	4
	Engineering Workshop / IT Workshop (New)	-	3	4
232	English Language Communication Skills Lab	-	3	4
Total		21	15	56

2007-2008

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
KUKATPALLY, HYDERABAD - 500 072.

ELECTRONICS & INSTRUMENTATION ENGINEERING
I Year
COURSE STRUCTURE
2007-2008

CODE	SUBJECT	T	P/D	C
HS05231	English	2	-	4
MA05363	Mathematics – I	3	-	6
MA05361	Mathematical Methods	3	-	6
PY05047	Applied Physics	2	-	4
CS05106	C Programming & Data Structures	3	-	6
EC05422	Network Analysis	2+1*	-	4
EC05210	Electronic Devices & Circuits	3+1*	-	6
ME05220	Engineering Drawings		3	4
CS05144	Computer Programming Lab.	-	3	4
CS05337	IT Workshop	-	3	4
EC05211	Electronic Devices & Circuits Lab.	-	3	4
HS05232	English Language Communication skills Lab	-	3	4
TOTAL		20	15	56

2007-2008
JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY,
HYDERABAD
B.TECH. ELECTRONICS & TELEMATICS ENGINEERING
COURSE STRUCTURE

I Year:

Sl.No:	Code	Subject	T	P/D	C
13.	HS 05231	English	2+0	-	4
14.	MA 05363	Mathematics - I	3+0	-	6
15.	MA 05361	Mathematical Methods	3+0	-	6
16.	PY 05047	Applied Physics	2+0	-	4
17.	CS 05106	C Programming & Data Structures	3+0	-	6
18.	EC 05422	Network Analysis	2+1	-	4
19.	EC 05210	Electronic Devices and Circuits	3+1	-	6
20.	ME 05220	Engineering Drawing	-	3	4 *
21.	CS 05144	Computer Programming Lab.	-	3	4
22.	CS 05337	IT Workshop	-	3	4
23.	EC 05211	Electronic Devices and Circuits Lab.	-	3	4
24.	HS 05232	English Language Communication Skills Lab.	-	3	4
TOTAL:			20	15	56

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD.
B. TECH. INFORMATION TECHNOLOGY
I Year
COURSE STRUCTURE

Code	Subject	T	P/D	C
HS 07231	English	2	-	4
MA 07363	Mathematics – I	3	-	6
MA 07361	Mathematical Methods	3	-	6
PY 07047	Applied Physics	2	-	4
CS 07106	C Programming and Data Structures	3+1*	-	6
EE 07068	Basic Electrical Engineering	2+1*	-	4
EC 07210	Electronics Devices & Circuits	3+1*	-	6
ME 07220	Engineering Drawing	-	3	4
CS 07144	Computer Programming Lab	-	3	4
EE 07188	Electrical and Electronics Lab	-	3	4
HS 07232	English Language Communication Lab	-	3	4
CS 07337	IT Work-Shop	-	3	4
Total		21	15	56

2007-2008

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD
B.TECH. INSTRUMENTATION AND CONTROL ENGINEERING
I Year
COURSE STRUCTURE**

CODE	SUBJECT	T	P/D	C
HS05231	English	2	-	4
MA05363	Mathematics – I	3	-	6
MA05361	Mathematical Methods	3	-	6
PY05047	Applied Physics	2	-	4
CS05106	C Programming and Data Structures	3+1	-	6
EE05189	Electrical Circuits	2+1	-	4
EC05210	Electronic Devices and Circuits	3+1*	-	6
ME05220	Engineering Drawings	-	3	4
CS05144	Computer Programming Lab	-	3	4
ME05230	Engineering Workshop Practice	-	3	4
EC05211	Electronic Devices and Circuits Lab	-	3	4
HS05232	English Language Communication Skills Lab	-	3	4
Total		20	153	56

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD
B.TECH. MECHANICAL ENGINEERING (MECHATRONICS ENGINEERING)
I Year
COURSE STRUCTURE**

CODE	SUBJECT	T	P/D	C
HS 05231	English	2	0	4
MA 05363	Mathematics -I	3	0	6
MA 05361	Mathematical Methods	3	0	6
PY 05226	Engineering Physics	2 +1*	0	4
CM 05219	Engineering Chemistry	2	0	4
ME 05224	Engineering Mechanics	2+1*	0	4
New	Computer Programming and Data Structures	2+1*	0	4
ME 05223	Engineering Graphics	0	6	8
ME 05228	Engineering Physics and Fuels & Lubricants Lab	0	3	4
HS 05232	English Language Lab	0	3	4
CS 05144	Computer Programming Lab	0	3	4
ME 05230	Engineering Work Shop Practice	0	3	4
Total		21	16	56

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD
B.TECH. MECHANICAL ENGINEERING (PRODUCTION)
I Year
COURSE STRUCTURE

CODE	SUBJECT	T	P/D	C
HS 05231	English	2	0	4
MA 05363	Mathematics -I	3	0	6
MA 05361	Mathematical Methods	3	0	6
PY 05226	Engineering Physics	2 +1*	0	4
CM 05219	Engineering Chemistry	2	0	4
ME 05224	Engineering Mechanics	2+1*	0	4
New	Computer Programming and Data Structures	2+1*	0	4
ME 05223	Engineering Graphics	0	6	8
ME 05228	Engineering Physics and Fuels & Lubricants Lab	0	3	4
HS 05232	English Language Communication Lab	0	3	4
CS 05144	Computer Programming Lab	0	3	4
ME 05230	Engineering Work Shop Practice	0	3	4
Total		19	18	56

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD
B.TECH. MECHANICAL ENGINEERING
I Year
COURSE STRUCTURE

CODE	SUBJECT	T	P/D	C
HS 05231	English	2	0	4
MA 05363	Mathematics -I	3	0	6
MA 05361	Mathematical Methods	3	0	6
PY 05226	Engineering Physics	2 +1*	0	4
CM 05219	Engineering Chemistry	2	0	4
ME 05224	Engineering Mechanics	2+1*	0	4
New	Computer Programming and Data Structures	2+1*	0	4
ME 05223	Engineering Graphics	0	6	8
ME 05228	Engineering Physics and Fuels & Lubricants Lab	0	3	4
HS 05232	English Language Communication Skills Lab	0	3	4
CS 05144	Computer Programming Lab	0	3	4
ME 05230	Engineering Work Shop Practice	0	3	4
Total		91	18	56

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD
B.TECH METALLURGICAL ENGINEERING

I YEAR

COURSE STRUCTURE

Code	Subject	T	P/D	C
HS05231	ENGLISH	2+1*	0	4
MA05363	MATHEMATICS – I	3+1*	0	6
PY05226	ENGINEERING PHYSICS	2+1*	0	4
MT05386	METALLURGICAL ANALYSIS	2+1*	0	4
ME05224	ENGINEERING MECHANICS	3+1*	0	6
CS05141	COMPUTER PROGRAMMING AND NUMERICAL METHODS	2+2*	0	4
ME05223	ENGINEERING GRAPHICS	0	6	8
ME05230	ENGINEERING WORKSHOP PRACTICE.	0	3	4
HS05232	ENGLISH LANGUAGE AND COMMUNICATION SKILLS LAB	0	3	4
MT05387	METALLURGICAL ANALYSIS LAB	0	3	4
CS05142	COMPUTER PROGRAMMING AND NUMERICAL METHODS LAB	0	6	8
Total		21	21	56

2007-2008

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY
HYDERABAD
METALLURGY & MATERIAL TECHNOLOGY
I Year B.Tech.
COURSE STRUCTURE

CODE	SUBJECT	T	P/D	C
HS05231	ENGLISH	2+1*	0	4
MA05363	MATHEMATICS – I	3+1*	0	6
PY05226	ENGINEERING PHYSICS	2+1*	0	4
MT05386	METALLURGICAL ANALYSIS	2+1*	0	4
ME05224	ENGINEERING MECHANICS	3+1*	0	6
CS05141	COMPUTER PROGRAMMING AND NUMERICAL METHODS	2+2*	0	4
ME05223	ENGINEERING GRAPHICS.	0	6	8
ME05230	ENGINEERING WORKSHOP PRACTICE	0	3	4
HS05232	ENGLISH LANGUAGE AND COMMUNICATION SKILLS LAB.	0	3	4
MT05387	METALLURGICAL ANALYSIS LAB.	0	3	4
CS05142	COMPUTER PROGRAMMING AND NUMERICAL METHODS LAB.	0	6	8
Total		21	21	56