



Recommended Structure for Forthcoming Semesters of B.Tech starting from 2010

First Year - First Semester

A. THEORY							
Sl.No.	Field	Theory	Contact Hours/Week				Cr. Points
			L	T	P	Total	
1	HU	English	2	0	0	2	2
2	Basic Sc.	Chemistry-1 / Physics-1	3	1	0	4	4
3		Mathematics-1	3	1	0	4	4
4	Engg. Science	Basic Electrical & Electronic Engineering – 1(Gr-A+Gr-B)	2	0	0	4	4
5		Engg. Mechanics	3	1	0	4	4
Total of Theory						18	18
B. PRACTICAL							
6	HU	Language Laboratory	0	0	2	2	1
7		NSS	0	0	2	2	1
8	Basic Sc	Chemistry-1/ Physics-1	0	0	3	3	2
9	Engg. Science	Basic Electrical & Electronic Engineering -1	0	0	3	3	2
10		Engg Drawing & Computer Graphics / Workshop Practice	1	0	3	4	3
Total of Practical						14	9
Total of Semester						32	27

Physics based branches divided in to Gr-A & Gr-B, Gr-A= Phys in sem-I , Gr-B = Phys in sem-II;
Chemistry based branches Physics in sem-1.

First Year - Second Semester

A. THEORY							
Sl. No.	Field	Theory	Contact Hours/Week				Credit Points
			L	T	P	Total	
1	Basic Science	Basic Computation & Principles of Computer Programming	3	1	0	4	4
2		Physics-1 / Chemistry-1	3	1	0	4	4
3		Mathematics-2	3	1	0	4	4
4	Engg. Science	Basic Electrical & Electronic Engineering-II (Gr-A+Gr-B)	2	0	0	4	4
5		Engineering Thermodynamics & Fluid Mechanics	3	1	0	4	4
Total of Theory						20	20
B. PRACTICAL							
7	Basic Science	Basic Computation & Principles of Computer Programming	0	0	3	3	2
8		Physics-1/Chemistry-1	0	0	3	3	2
9	Engg. Science	Basic Electrical & Electronic Engineering- II	0	0	3	3	2
10		Workshop Practice / Basic Engg Drawing & Computer Graphics	1	0	3	4	3
Total of Practical						13	9
Total of Semester						33	29



Recommended Structure for Forthcoming Semesters of B.Tech starting from 2010

Second Year - Third Semester

A. THEORY							
Sl.No.	Field	Theory	Contact Hours/Week				Cr. Points
			L	T	P	Total	
1	HU	Ethics, Philosophy & Values	2	0	0	2	2
2	Basic Sc.	Chemistry-2 / Physics-2 (Gr-A) /Mathematics-3 (Gr-B)	3	1	0	4	4
3	Engg. Sc.	Basic Environmental Engineering & Elementary Biology for Gr-A; /Engineering Science -1 (discipline specific) Gr-B	2+1/	0/	0/	3/	3/
			3	0	0	3	3
4		Engineering Science -2 (discipline specific)	3	0	0	3	3
6	Prof Core	Two papers	3	1	0	4	4
			3	1	0	4	4
Total of Theory						20	20
B. PRACTICAL							
8	Basic Sc	Chemistry-1/ Physics-1 Gr-A; No lab for Gr-B	0	0	3	3	2
9	Engg. Sc.	Discipline specific ES; 1ES Lab for Gr-A & 2 ES Labs for Gr-B	0	0	3	3	2
10	Prof. Core	Two Practicals	0	0	3	3	2
			0	0	3	3	2
Total of Practical						12	8
Total of Semester						32	28

* Gr-B has no Basic Science Lab; Two Engg. Science Labs to be included for gr-B.

Second Year - Fourth Semester

A. THEORY							
Sl.No.	Field	Theory	Contact Hours/Week				Cr. Points
			L	T	P	Total	
1	HU	Economics for Engineers	2	0	0	2	2
2	Basic Sc.	Mathematics-3(Gr-A) / Biology/Physics-II (Gr-B)	3	1	0	4	4
3	Engg. Sc.	Engg Sc (discipline specific) Gr-A /Basic Environmental Engineering & Elementary Biology (Gr-B)	3/	0/	0/	3/	3/
			2+1	0	0	3	3
4&5	Professional Cores	Two papers	3	1	0	4	4
			3	1	0	4	4
Total of Theory						17	17
B. PRACTICAL							
7	HU	Communication skill & Report writing	0	0	3	3	2
8	Engg. Sc./Basic Sc.	ES Lab for Gr-A; / Phys Lab for Gr-B	0	0	3	3	2
10	Prof. Core.	Two Labs	0	0	2	3	3
			0	0	2	3	3
Total of Practical						12	8
Total of Semester						29	25

* Chemistry & Bio-Tech based subjects may take one Biology paper instead of the extra Mathematic III.



Recommended Structure for Forthcoming Semesters of B.Tech starting from 2010

Third Year - Fifth Semester

A. THEORY							
Sl.No	Field	Theory	Contact Hours/Week				Cr. Points
			L	T	P	Total	
1	HU	Principles & Practices of Management	2	0	0	2	2
2&3	Prof. Core.	Two papers	3	1	0	4	4
			3	1	0	4	4
4	Prof. Elec.	One paper	3	0	0	3	3
5	Free. Elec.	One paper	3	0	0	3	3
Total of Theory						16	16
B. PRACTICAL							
8	Prof. Core.	Two Labs	0	0	3	3	2
			0	0	3	3	2
9	Prof. Elec./Free .Elec.	Two Labs	0	0	3	3	2
			0	0	3	3	2
Total of Practical						12	8
Total of Semester						28	24

Third Year - Sixth Semester

A. THEORY							
Sl.No.	Field	Theory	Contact Hours/Week				Cr. Points
			L	T	P	Total	
1	HU	Production & Operations Management / Indian Society Literature & Culture / Introduction to Organisational Behaviour	2	0	0	2	2
2&3	Prof. Core.	Two papers	3	0	0	3	3
			3	0	0	3	3
4&5	Prof. Elec.	Two paper	3	0	0	3	3
			3	0	0	3	3
6	Free. Elec.	One paper	3	0	0	3	3
Total of Theory						17	17
B. PRACTICAL							
8	Prof. Core.	Two Labs	0	0	3	3	2
			0	0	3	3	2
9	Prof. Elec.	One Lab	0	0	3	3	2
10	Free. Elec.	One Lab	0	0	3	3	2
Total of Practical						12	8
Total of Semester						29	25



Recommended Structure for Forthcoming Semesters of B.Tech starting from 2010

Fourth Year - Seventh Semester

A. THEORY							
Sl. No.	Field	Theory	Contact Hours/Week				Cr. Points
			L	T	P	Total	
1 & 2	Prof. Core.	Two papers	3	0	0	3	3
			3	0	0	3	3
3 & 4	Prof. Elec.	Two paper	3	0	0	3	3
			3	0	0	3	3
5	Free. Elec.	One paper	3	0	0	3	3
Total of Theory						15	15
B. PRACTICAL							
6	HU	Group Discussion	0	0	0	3	2
7	Prof. Core.	One Lab	0	0	3	3	2
8	Prof. Elec.	One Lab	0	0	3	3	2
9	Free. Elec.	One Lab	0	0	3	3	2
10	Industrial training						2
Total of Practical						12	10
Total of Semester						27+IT	25

Fourth Year - Eighth Semester

A. THEORY							
Sl. No.	Field	Theory	Contact Hours/Week				Cr. Points
			L	T	P	Total	
1	HSS.	Any from list or as suggested by BOS	2	0	0	2	2
2	Prof. Elec.	One paper	3	0	0	3	3
3	Free Elec.	One paper	3	0	0	3	3
Total of Theory						8	8
B. PRACTICAL							
4	Design	Design Design Lab /					
		Industrial problem (Industrial related training 2)	0	0	6	6	4
5	Project.	Project-2	0	0	12	12	6
10	Industrial training						2
Total of Practical						18	10
Total of Semester						26	18