INDIAN INSTITUTE OF TECHNOLOGY BHUBANESWAR
School of Infrastructure
Course Curriculum for B.Tech (Hons.) in Civil Engineering

		2008 Batch				2009 Batch				2010 Batch Onwards		
SEMESTER - 1												
Sr.No	Subject Code	Subject Name	L-T-P	Credits	Hr	Subject Name	L-T-P	Credits	Hr	Subject Name	L-T-P	Credits	Hr
1	MA A1001	Mathematics – I	3-1-0	4		Mathematics – I	3-1-0	4		Mathematics – I	3-1-0	4	
2	PH A1001	Physics	3-1-0	4		Physics	3-1-0	4		Physics	3-1-0	4	
3	ME A1001	Mechanics	3-1-0	4		Mechanics	3-1-0	4		Mechanics	3-1-0	4	
4	EE A1001	Electrical Technology	3-1-0	4		Electrical Technology	3-1-0	4		Electrical Technology	3-1-0	4	
5	ME A1101	Introduction to Manufacturing Processes	1-0-3	3		Introduction to Manufacturing Processes	1-0-3	3		Introduction to Engineering Practice (**ME 11102**)/ Introduction to Manufacturing Processes	0-0-3	2	
6	PH A1101	Physics Lab	0-0-3	2		Physics Lab	0-0-3	2		Physics Lab	0-0-3	2	
7	EE A1101	Electrical Tech Lab	0-0-3	2		Electrical Tech Lab	0-0-3	2		Electrical Tech Lab	0-0-3	2	
8	EA A1101	EAA – 1	0-0-3	1		EAA – 1	0-0-3	1		EAA – 1	0-0-3	0	
				24	29			24	29			22	28
SEMESTER - 2												
1	MA S1001	Mathematics – 2	3-1-0	4		Mathematics – 2	3-1-0	4		Mathematics – 2	3-1-0	4	
2	CY A1001	Chemistry	3-1-0	4		Chemistry	3-1-0	4		Chemistry	3-1-0	4	
3	HS A1001	English for Communication	3-0-2	4		English for Communication	3-0-2	4		English for Communication	3-0-2	4	
4	EE A1002	Programming & Data Structure	3-1-0	4		Programming & Data Structure	3-1-0	4		Programming & Data Structure	3-1-0	4	
5	CY A1101	Chemistry Lab	0-0-3	2		Chemistry Lab	0-0-3	2		Chemistry Lab	0-0-3	2	
6	EE A1102	PDS Lab	0-0-3	2		PDS Lab	0-0-3	2		PDS Lab	0-0-3	2	
7	CE A1101	Engineering Drawing & Computer Graphics	1-0-3	3		Engineering Drawing & Computer Graphics	1-0-3	3		Engineering Drawing & Computer Graphics	1-0-3	3	
8	EA S1101	EAA – 2	0-0-3	1		EAA – 2	0-0-3	0		EAA – 2	0-0-3	0	
				24	30			23	30			23	30

		2008 Batch				2009 Batch				2010 Batch Onwards			
						SEMESTER - 3							
Sr.No	Subject Code	Subject Name	L-T-P	Credits	Hr	Subject Name	L-T-P	Credits	Hr	Subject Name	L-T-P	Credits	Hr
1	MA A2001	*				Mathematics – Transform Calculus	3-0-0	3		Mathematics – Transform Calculus	3-0-0	3	
2	CE A2002	Hydraulics	3-1-0	4		Hydraulics	3-1-0	4		Hydraulics	3-1-0	4	
3	CE A2003	Solid Mechanics	3-1-0	4		Solid Mechanics	3-1-0	4		Solid Mechanics	3-1-0	4	
4	CE A2004	Intro to C.E. & Materials	3-1-0	3		Intro to C.E. & Materials	3-1-0	3		Intro to C.E. & Materials	3-1-0	3	
5	CE A2005	Transportation Engg.	3-1-0	4		Transportation Engg.	3-1-0	4		Transportation Engg.	3-1-0	4	
6	CE S2101	Surveying Practice	0-0-3	2		*				*	3-0-0	3	
7	CE A2006	*				Surveying	3-0-0	3		Surveying	3-0-0	3	
8	CE A2101	Transportation Engg. Lab	0-0-3	2		Transportation Engg. Lab	0-0-3	2		Transportation Engg. Lab	0-0-3	2	
9	EA A2101	EAA – 3	0-0-3	1		EAA – 3	0-0-3	0		EAA – 3	0-0-3	0	
10	NA	Breadth I	3-0-0	3		*				*			
				23	27			23	27			23	27
						SEMESTER - 4							
1	EE S2005	Basic Electronics	3-1-0	4		Basic Electronics	3-1-0	4		Basic Electronics	3-1-0	4	
2	MA S2003	Maths – Statistics & P	3-0-0	3		Maths – Statistics & P	3-0-0	3		Maths – Statistics & P	3-0-0	3	
3	CE S2001	Structural Analysis	3-1-0	4		Structural Analysis	3-1-0	4		Structural Analysis	3-1-0	4	
4	CE S2002	Water Resources Engg	3-0-0	3		Water Resources Engg	3-0-0	3		Water Resources Engg	3-0-0	3	
5	HS S2001	Speaking and Presentation	3-1-0	4		*				*			
6	NA	*				HSS - Depth	3-1-0	4		HSS - Depth	3-1-0	4	
7	CE A2006	Surveying	3-0-0	3		*				*			
8	CE S2101	*	3-0-0	3		Surveying Practice	0-0-3	2		Surveying Practice	0-0-3	2	
9	EE S2103	Basic Electronics Lab	0-0-3	2		Basic Electronics Lab	0-0-3	2		Basic Electronics Lab	0-0-3	2	
10	CE S2102	WRE Lab	0-0-3	2		WRE Lab	0-0-3	2		WRE Lab	0-0-3	2	
11	EA S2101	EAA – 4	0-0-3	0		EAA – 4	0-0-3	0		EAA – 4	0-0-3	0	
12	CY A2001	Bio Science	2-0-0	2		*				*			

			27	32				24	30				24	30

		2008 Batch				2009 Batch				2010 Batch Onwards				
						SEMESTER - 5								
Sr.No	Subject Code	Subject Name	L-T-P	Credits	Hr	Subject Name	L-T-P	Credits	Hr	Subject Name	L-T-P	Credits	Hr	
1	CE A3001	Design of R.C. Structures	3-1-0	4		Design of R.C. Structures	3-1-0	4		Design of R.C. Structures	3-1-0	4		
2	CE A3002	Soil Mechanics	3-0-0	3		Soil Mechanics	3-0-0	3		Soil Mechanics	3-0-0	3		
3	CE A3003	Water & W.W. Engg.	3-1-0	4		Water & W.W. Engg.	3-1-0	4		Water & W.W. Engg.	3-1-0	4		
4	NA	Elective - 1	3-0-0	3		Elective - 1	3-0-0	3		Elective - 1	3-0-0	3		
5	MA A2001	Mathematics – Transform Calculus	3-0-0	3		*				*				
6	CY A2001	*				Bio-Science	2-0-0	2		Bio-Science	2-0-0	2		
7	CY A2002	Env-Science	2-0-0	2		Env-Science	2-0-0	2		Env-Science	2-0-0	2		
8	CE A3101	Concrete Lab	0-0-3	2		Concrete Lab	0-0-3	2		Concrete Lab	0-0-3	2		
9	CE A3102	Soil Mechanics Lab	0-0-3	2		Soil Mechanics Lab	0-0-3	2		Soil Mechanics Lab	0-0-3	2		
10	CE A3103	W & W.W. Engg. Lab	0-0-3	2		W & W.W. Engg. Lab	0-0-3	2		W & W.W. Engg. Lab	0-0-3	2		
				25	28			24	27			24	27	
						SEMESTER - 6								
1	CE S3001	Design of Steel Structures	3-0-0	3		Design of Steel Structures	3-0-0	3		Design of Steel Structures	3-0-0	3		
2	NA	Elective - 2	3-0-0	3		Elective - 2	3-0-0	3		Elective - 2	3-0-0	3		
3	NA	Elective - 3	3-0-0	3		Elective - 3	3-0-0	3		Elective - 3	3-0-0	3		
4	CE S3002	Foundation Engg.	3-0-0	3		Foundation Engg.	3-0-0	3		Foundation Engg.	3-0-0	3		
5	NA	Breadth-1 (IT/Sc/IPL)	3-0-0	3		Breadth-1 (IT/Sc/IPL)	3-0-0	3		Breadth-1 (IT/Sc/IPL)	3-0-0	3		
6	CE S3101	Design Sessional	0-0-6	4		Design Sessional	0-0-6	4		Design Sessional	0-0-6	4		
7	CE S3102	Structural Detailing	0-0-3	2		Structural Detailing	0-0-3	2		Structural Detailing	0-0-3	2		
8	CE S3103	Civil Engg. Dwg.& Est.	0-0-3	2		Civil Engg. Dwg.& Est.	0-0-3	2		Civil Engg. Dwg.& Est.	0-0-3	2		
				23	27			23	27			23	27	

		2008 Batch				2009 Batch				2010 Batch Onwards			
						SEMESTER - 7							
Sr.No	Subject Code	Subject Name	L-T-P	Credits	Hr	Subject Name	L-T-P	Credits	Hr	Subject Name	L-T-P	Credits	Hr
1	NA	Elective - 4	3-0-0	3		Elective - 4	3-0-0	3		Elective - 4	3-0-0	3	
2	NA	Elective – 5 (Flexible)	3-0-0	3		Elective – 5 (Flexible)	3-0-0	3		Elective – 5 (Flexible)	3-0-0	3	
3	CE A4001	Str. Dyn. & Eq. Engg.	3-0-0	3		Str. Dyn. & Eq. Engg.	3-0-0	3		Str. Dyn. & Eq. Engg.	3-0-0	3	
4	NA	Breadth -2 (HSS)	3-0-0	3		Breadth -2 (HSS)	3-0-0	3		Breadth -2 (HSS)	3-0-0	3	
5	CE A4101	CAD Lab.	0-0-3	2		CAD Lab.	0-0-3	2		CAD Lab.	0-0-3	2	
6	CE A4201	Summer Training	0-0-3	2		Summer Training	0-0-3	2		Summer Training	0-0-3	2	
7	CE A4301	Project – Part 1	0-0-6	4		Project – Part 1	0-0-6	4		Project – Part 1	0-0-6	4	
				20	24			20	24			20	24
						SEMESTER - 8							
1	NA	Breadth – 3 (Mgmt)	3-0-0	3		Breadth – 3 (Mgmt)	3-0-0	3		Breadth – 3 (Mgmt)	3-0-0	3	
2	NA	Elective - 6	3-0-0	3		Elective - 6	3-0-0	3		Elective - 6	3-0-0	3	
3	NA	Elective – 7 (Flexible)	3-0-0	3		Elective – 7 (Flexible)	3-0-0	3		Elective – 7 (Flexible)	3-0-0	3	
4	NA	Elective - 8	3-0-0	3		Elective - 8	3-0-0	3		Elective - 8	3-0-0	3	
5	CE S4301	Project – Part 2	0-0-9	6		Project – Part 2	0-0-9	6		Project – Part 2	0-0-9	6	
6	CE A4202	Comprehensive Viva	0-0-0	2		Comprehensive Viva	0-0-0	2		Comprehensive Viva	0-0-0	2	
				20	21			20	21			20	21
				186	216			181	215			179	214