ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES	
Curriculum for the Programmes under Autonomous Scheme	
Regulation	R 2011
Department	Department of Computer Science and Engineering
Programme Code & Name	G1, B.Tech. CSE

I Year B.Tech

Subject Code	Subject Name	Hours/Week			C	Maximum marks		
		L	T	P		Internal	External	Total
1GC11	English	2	0	0	4	30	70	100
1GC12	Engineering Physics	2	0	0	4	30	70	100
1GC13	Engineering Chemistry	2	0	0	4	30	70	100
1GC14	Mathematics – I	3	1	0	6	30	70	100
1GC15	Mathematical Methods	2	1	0	4	30	70	100
1G111	Programming in C and Data Structures	4	1	0	8	30	70	100
1G513	Engineering Drawing	1	0	3	6	30	70	100
1GC16	Engineering Physics and Chemistry Lab	0	0	3	4	30	70	100
1GC17	English Language and Communication Skills Lab	0	0	3	4	30	70	100
1G113	Programming in C and Data Structures Lab	0	0	6	8	30	70	100
1G411	Engineering and IT workshop	0	0	3	4	30	70	100
Total		**16**	**3**	**18**	**56**	**330**	**770**	**1100**

Note: L - Lecture; T-Tutorial; P – Practical; C – Credits.

ANNAMACHARYA INSTITUTE OF TECHNOLOGY & SCIENCES	
Curriculum for the Programmes under Autonomous Scheme	
Regulation	R 2011
Department	Department of Computer Science and Engineering
Programme Code & Name	G1, B.Tech. CSE

II Year B.Tech I Semester

Subject Code	Subject Name	Hours/Week			C	Maximum marks		
		L	T	P		Internal	External	Total
1G131	Advanced Data Structures Through C++	4	0	0	4	30	70	100
1G132	Digital Logic Design	4	1	0	4	30	70	100
1G133	Mathematical Foundations of Computer Science	4	1	0	4	30	70	100
1GC33	Probability & Statistics	4	1	0	4	30	70	100
1G334	Electronic Devices and Circuits	4	1	0	4	30	70	100
1G235	Basic Electrical Engineering	4	0	0	4	30	70	100
1GC35	Soft Skills – I	2	0	0	2	30	70	100
1G23A	Electrical & Electronics Engineering lab	0	0	3	2	30	70	100
1G134	Advanced Data Structures Lab Through c++	0	0	3	2	30	70	100
Total		**26**	**4**	**6**	**30**	**270**	**630**	**900**

Curriculum for the Programmes under Autonomous Scheme	
Regulation	R 2011
Department	Department of Computer Science and Engineering
Programme Code & Name	G1, B.Tech. CSE

II Year B.Tech II Semester

Subject Code	Subject Name	Hours/ Week			C	Maximum marks		
		L	T	P		Internal	External	Total
1G141	Computer Organization	4	0	0	4	30	70	100
1G142	Database Management Systems	4	1	0	4	30	70	100
1G143	Design and Analysis of Algorithms	4	1	0	4	30	70	100
1G144	Formal Languages and Automata Theory	4	1	0	4	30	70	100
1G145	Object Oriented Programming Through JAVA	4	1	0	4	30	70	100
1GC43	Environmental Science	4	0	0	4	30	70	100
1G146	Seminar - I	0	0	2	2	100	00	100
1G147	Database Management Systems Lab	0	0	3	2	30	70	100
1G148	Object Oriented Programming Through JAVA Lab	0	0	3	2	30	70	100
Total		**24**	**4**	**8**	**30**	**340**	**560**	**900**

Curriculum for the Programmes under Autonomous Scheme	
Regulation	R 2011
Department	Department of Computer Science and Engineering
Programme Code & Name	G1, B.Tech. CSE

III Year B.Tech I Semester

Subject Code	Subject Name	Hours/Week			C	Maximum marks		
		L	T	P		Internal	External	Total
1G151	Compiler Design	4	1	0	4	30	70	100
1G152	Computer Graphics	4	1	0	4	30	70	100
1G153	Computer Networks	4	1	0	4	30	70	100
1G154	Operating Systems	4	1	0	4	30	70	100
1G155	Principles of Programming Languages	4	0	0	4	30	70	100
1G355	Microprocessors and Interfacing	4	0	0	4	30	70	100
1GC53	Soft Skills – II	2	0	0	2	30	70	100
1G358	Microprocessors and Interfacing Lab	0	0	3	2	30	70	100
1G156	Computer Networks & Operating Systems Lab	0	0	3	2	30	70	100
	Total	**26**	**4**	**6**	**30**	**270**	**630**	**900**

Curriculum for the Programmes under Autonomous Scheme	
Regulation	R 2011
Department	Department of Computer Science and Engineering
Programme Code & Name	G1, B.Tech. CSE

III Year B.Tech II Semester

Subject Code	Subject Name	Hours/ Week			C	Maximum marks		
		L	T	P		Internal	External	Total
1G161	Distributed Systems	4	1	0	4	30	70	100
1G162	Cryptography and Network Security	4	1	0	4	30	70	100
1G163	Linux Programming	4	1	0	4	30	70	100
1G164	Object Oriented Analysis and Design	4	1	0	4	30	70	100
1G165	Software Engineering	4	1	0	4	30	70	100
1GA61	Managerial Economics and Financial Analysis	4	0	0	4	30	70	100
1G166	Seminar - II	0	0	2	2	100	00	100
1GC61	Advanced English Communication Skills Lab	0	0	3	2	30	70	100
1G167	Linux Programming Lab	0	0	3	2	30	70	100
Total		**24**	**5**	**8**	**30**	**340**	**560**	**900**

Curriculum for the Programmes under Autonomous Scheme	
Regulation	R 2011
Department	Department of Computer Science and Engineering
Programme Code & Name	G1, B.Tech. CSE

IV Year B.Tech I Semester

Subject Code	Subject Name	Hours/Week			C	Maximum marks		
		L	T	P		Internal	External	Total
1G171	Data Warehousing and Mining	4	1	0	4	30	70	100
1G172	Open Systems for Web technologies	4	1	0	4	30	70	100
1G173	Software Project management	4	1	0	4	30	70	100
1GA71	Management Science	4	1	0	4	30	70	100
ELECTIVE – I								
1G174	High Performance Computing	4	0	0	4	30	70	100
1G175	Advanced Computer Architecture							
1G374	Embedded Systems							
ELECTIVE – II								
1G176	Network Management Systems	4	0	0	4	30	70	100
1G177	Network Programming							
1G472	Mobile Communications							
1G178	Comprehensive Computer Science and Engineering	0	0	2	2	100	00	100
1G179	Case tools and Data Mining Lab	0	0	3	2	30	70	100
1G17A	Web Technologies Lab	0	0	3	2	30	70	100
	Total	**24**	**4**	**8**	**30**	**340**	**560**	**900**

Curriculum for the Programmes under Autonomous Scheme	
Regulation	R 2011
Department	Department of Computer Science and Engineering
Programme Code & Name	G1, B.Tech. CSE

IV Year B.Tech II Semester

Subject Code	Subject Name	Hours/ Week			C	Maximum marks		
		L	T	P		Internal	External	Total
1G181	Artificial Neural Networks	4	0	0	4	30	70	100
1G182	Design Patterns	4	0	0	4	30	70	100
ELECTIVE –III								
1G388	VLSI Design	4	0	0	4	30	70	100
1G183	Image processing							
1G184	Virtual Reality							
ELECTIVE - IV								
1G185	Human Computer Interaction	4	0	0	4	30	70	100
1G186	Service Oriented Architecture							
1G187	Software Testing Methodologies							
1G188	Seminar - III	0	0	2	2	100	00	100
1G189	Project Work	0	0	12	12	30	70	100
	Total	**16**	**0**	**14**	**30**	**250**	**350**	**600**