

PANIMALAR INSTITUTE OF TECHNOLOGY

VISION

An Institution of Excellence by imparting quality education and serve as a perennial source of technical manpower with dynamic professionalism and entrepreneurship having social responsibility for the progress of the society and nation.

MISSION

Panimalar Institute of Technology will strive to emerge as an Institution of Excellence in our country by

- Providing state-of-the-art infrastructure facilities for designing and developing solutions for engineering problems.
- Imparting quality education and training through qualified, experienced and committed members of the faculty.
- Inculcating high moral values in the minds of the students and transforming them into well-rounded personality.
- Establishing Industry Institute interaction to make students ready for the industrial environment.
- Promoting research based projects/activities in the emerging areas of Engineering & Technology.

PANIMALAR INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

VISION

To evolve as a Centre of Excellence in Computer Science and Engineering to compete with latest trends and also persistently strive to inculcate the requisite skills in research, innovation and entrepreneurship, making the budding engineers as competent professionals to take up any global challenge.

MISSION

- To produce high-quality Computer Engineers with employable skills and professional standards by imparting theoretical and practical training.
- To collaborate with industry in pursuit of education and research, leading to the development of commercially-viable technologies.
- To develop an overall personality of the students by encouraging them to participate in co-curricular and extra-curricular activities.
- To train teachers capable of inspiring the next generation of engineers and researchers.
- To develop research interest among the student community.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOS):

PEO-I:

To excel in Computer Science and Engineering program to pursue their higher studies or succeed in their profession through quality education.

PEO-II:

To acquire knowledge in the latest technologies and innovations and an ability to identify, analyse and solve problems in computer engineering.

PEO-III:

To become recognized professional engineers with demonstrated commitment to life-long learning and continuous self-improvement in order to respond to the rapid pace of change in Computer Science Engineering.

PEO IV:

To be capable of modelling, designing, implementing and verifying a computing system to meet specified requirements for the benefit of society.

PEO-V:

To possess critical thinking, communication skills, teamwork, leadership skills and ethical behaviour necessary to function productively and professionally.

PANIMALAR INSTITUTE OF TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Calendar 2015-2016

JUNE - 2015			Department Events
Date	Working Days	Remarks	
1	Mon		
2	Tue		
3	Wed		
4	Thu		
5	Fri		
6	Sat	Holiday	
7	Sun	Holiday	
8	Mon		
9	Tue		
10	Wed		
11	Thu		
12	Fri		
13	Sat	Holiday	
14	Sun	Holiday	
15	Mon		
16	Tue		
17	Wed		
18	Thu	College reopens for II/III/IV Yr B.E/B.Tech	
19	Fri		
20	Sat	Holiday	
21	Sun	Holiday	
22	Mon		
23	Tue		
24	Wed		
25	Thu		
26	Fri		
27	Sat	Holiday	
28	Sun	Holiday	
29	Mon		
30	Tue		

**Placement Training
Short-Term Course**

JULY - 2015			Department Events
Date	Working Days	Remarks	
1	Wed		Short-Term Course Industrial Visit
2	Thu		Industrial Visit
3	Fri		Industrial Visit
4	Sat	Holiday	
5	Sun	Holiday	
6	Mon		Industrial Visit
7	Tue		
8	Wed		
9	Thu	I Unit Completion for II B.E/ B.Tech	
10	Fri		
11	Sat	Holiday	
12	Sun	Holiday	
13	Mon		Industrial Visit
14	Tue	I Unit Completion for III B.E/ B.Tech	Industrial Visit
15	Wed		Guest Lecture
16	Thu	I Unit Completion for IV B.E/ B.Tech	
17	Fri		Industrial Visit
18	Sat	Ramzan Holiday	
19	Sun	Holiday	
20	Mon		
21	Tue		
22	Wed		Guest Lecture
23	Thu		
24	Fri		Industrial Visit
25	Sat	Holiday	
26	Sun	Holiday	
27	Mon		
28	Tue		
29	Wed		
30	Thu		
31	Fri	II Unit Completion for II/III & IV B.E/B.Tech College opens for I B.E/B.Tech	Industrial Visit

AUGUST - 2015			Department Events
Date	Working Days	Remarks	
1	Sat	Holiday	
2	Sun	Holiday	
3	Mon	I Internal Assessment for II/III & IV B.E/B.Tech	
4	Tue		
5	Wed		
6	Thu		
7	Fri		
8	Sat	Holiday	
9	Sun	Holiday	
10	Mon		
11	Tue		Short-Term Course
12	Wed		
13	Thu		Workshop
14	Fri		
15	Sat	Independence Day	
16	Sun	Holiday	
17	Mon		
18	Tue	I Unit Completion for I B.E/B.Tech	
19	Wed		
20	Thu		
21	Fri		
22	Sat	Holiday	
23	Sun	Holiday	
24	Mon		
25	Tue	III Unit Completion for II/III & IV B.E/B.Tech	
26	Wed		
27	Thu		Guest Lecture
28	Fri		
29	Sat	Holiday	
30	Sun	Holiday	
31	Mon		

SEPTEMBER - 2015			Department Events
Date	Working Days	Remarks	
1	Tue		
2	Wed	II Unit Completion for I B.E/B.Tech	
3	Thu		
4	Fri		
5	Sat	Krishna Jayanthi	
6	Sun	Holiday	
7	Mon		
8	Tue		
9	Wed		Workshop
10	Thu		
11	Fri	IV Unit Completion for II/III & IV B.E/B.Tech	
12	Sat	Holiday	
13	Sun	Holiday	
14	Mon	II Internal Assessment for II/III & IV B.E/B.Tech I Internal Assessment for I B.E/B.Tech	
15	Tue		
16	Wed		
17	Thu	Vinayakar Chaturthi	
18	Fri		
19	Sat		
20	Sun	Holiday	
21	Mon		
22	Tue		
23	Wed		
24	Thu	Bakrid Holiday	
25	Fri		
26	Sat		
27	Sun	Holiday	
28	Mon		
29	Tue	III Unit Completion for I B.E/B.Tech	
30	Wed		

OCTOBER - 2015			Department Events
Date	Working Days	Remarks	
1	Thu		
2	Fri	Gandhi Jayanthi	
3	Sat	Holiday	
4	Sun	Holiday	
5	Mon		
6	Tue		
7	Wed		
8	Thu	V Unit Completion for II/III & IV B.E/B.Tech	
9	Fri	Revision	
10	Sat	Revision	
11	Sun	Holiday	
12	Mon	III Internal Assessment for II/III & IV B.E/B.Tech	
13	Tue		
14	Wed		
15	Thu		
16	Fri	IV Unit Completion for I B.E/B.Tech	
17	Sat		
18	Sun	Holiday	
19	Mon	Last Working day for II/III/IV Yr B.E/B.Tech	
20	Tue		
21	Wed	Ayutha Pooja	
22	Thu	Vijaya Dasami	
23	Fri	Muharram	
24	Sat	Holiday	
25	Sun	Holiday	
26	Mon	II Internal Assessment for I B.E/B.Tech	
27	Tue	University Practical Examination for II/III & IV	
28	Wed		
29	Thu		
30	Fri		
31	Sat	Holiday	

NOVEMBER - 2015			Department Events
Date	Working Days	Remarks	
1	Sun	Holiday	
2	Mon		
3	Tue		
4	Wed		
5	Thu		
6	Fri		
7	Sat	Holiday	
8	Sun	Holiday	
9	Mon	Holiday	
10	Tue	Deepavali	
11	Wed		
12	Thu	Univeristy Theory Examnation for II/III & IV	
13	Fri		
14	Sat		
15	Sun	Holiday	
16	Mon		
17	Tue	V Unit Completion for I B.E/B.Tech	
18	Wed		
19	Thu		
20	Fri		
21	Sat	Holiday	
22	Sun	Holiday	
23	Mon	III Internal Assessment for I B.E/B.Tech	
24	Tue		
25	Wed		
26	Thu		
27	Fri		
28	Sat	Holiday	
29	Sun	Holiday	
30	Mon	Last Working day for I B.E/B.Tech	

DECEMBER - 2015			Department Events
Date	Working Days	Remarks	
1	Tue		
2	Wed		
3	Thu		
4	Fri		
5	Sat	Holiday	
6	Sun	Holiday	
7	Mon	University Practical Exam for I B.E/B.Tech	
8	Tue		
9	Wed		
10	Thu		
11	Fri		
12	Sat	Holiday	
13	Sun	Holiday	
14	Mon		
15	Tue		
16	Wed	College Reopens for II/III & IV Yr B.E/B.Tech	
17	Thu	University Theory Exam for I B.E/B.Tech	
18	Fri		
19	Sat	Holiday	
20	Sun	Holiday	
21	Mon		
22	Tue		
23	Wed	Milad - un - nabi	
24	Thu		
25	Fri	Christmas	
26	Sat	Holiday	
27	Sun	Holiday	
28	Mon		
29	Tue		
30	Wed		
31	Thu		

JANUARY - 2016			Department Events
Date	Working Days	Remarks	
1	Fri	New Year	
2	Sat	Holiday	
3	Sun	Holiday	
4	Mon		
5	Tue	I Unit Completion for II/III & IV B.E/B.Tech	
6	Wed		
7	Thu		
8	Fri		
9	Sat	Holiday	
10	Sun	Holiday	
11	Mon		
12	Tue		
13	Wed		
14	Thu	Bhogi	
15	Fri	Pongal	
16	Sat	Uzhavar Thirunaal	
17	Sun	Holiday	
18	Mon	College Reopens for I B.E/B.Tech	
19	Tue		Certification Course
20	Wed		
21	Thu		
22	Fri		Workshop
23	Sat	Holiday	
24	Sun	Holiday	
25	Mon	II Unit Completion for II/III/IV Yr B.E/B.Tech	
26	Tue	Republic Day	
27	Wed		
28	Thu		
29	Fri		
30	Sat	Holiday	
31	Sun	Holiday	

FEBRUARY - 2016			Department Events
Date	Working Days	Remarks	
1	Mon	I Internal Assessment for II/III/IV Yr B.E/B.Tech	
2	Tue		
3	Wed	I Unit Completion for I B.E/B.Tech	Industrial Visit
4	Thu		Industrial Visit
5	Fri		Industrial Visit
6	Sat		
7	Sun	Holiday	
8	Mon		
9	Tue		Short-Term Course
10	Wed		
11	Thu		
12	Fri		Industrial Visit
13	Sat	Holiday	
14	Sun	Holiday	
15	Mon		
16	Tue		Guest Lecture
17	Wed	III Unit Completion for II/III/IV Yr B.E/B.Tech	
18	Thu		
19	Fri	II Unit Completion for I B.E/B.Tech	
20	Sat	Holiday	Software Contest
21	Sun	Holiday	
22	Mon	I Internal Assessment for I B.E/B.Tech	
23	Tue		
24	Wed		
25	Thu		
26	Fri		
27	Sat		PRAYUDH 2016
28	Sun	Holiday	
29	Mon		

MARCH - 2016			Department Events
Date	Working Days	Remarks	
1	Tue		
2	Wed		
3	Thu		
4	Fri	IV Unit Completion for II/III/IV Yr B.E/B.Tech	
5	Sat	Holiday	
6	Sun	Holiday	
7	Mon	II Internal Assessment for II/III/IV Yr B.E/B.Tech	
8	Tue		
9	Wed		
10	Thu		
11	Fri		
12	Sat		
13	Sun	Holiday	
14	Mon		
15	Tue	III Unit Completion for I B.E/B.Tech	
16	Wed		Guest Lecture
17	Thu		
18	Fri		
19	Sat	Holiday	
20	Sun	Holiday	
21	Mon		
22	Tue		Guest Lecture
23	Wed		
24	Thu		
25	Fri	Good Friday	
26	Sat	Holiday	
27	Sun	Holiday	
28	Mon		
29	Tue		
30	Wed	V Unit Completion for II/III/IV Yr B.E/B.Tech	
31	Thu	Revision	

APRIL - 2016			Department Events
Date	Working Days	Remarks	
1	Fri	IV Unit Completion I B.E/B.Tech	
2	Sat	Holiday	
3	Sun	Holiday	
4	Mon	III Internal Assessment for II/III/IV Yr B.E/B.Tech II Internal Assessment for I B.E/B.Tech	
5	Tue		
6	Wed		Project Expo
7	Thu		
8	Fri		
9	Sat		
10	Sun	Holiday	
11	Mon	Last Working day for II/III/IV Yr B.E/B.Tech	
12	Tue		
13	Wed		
14	Thu	Tamil New Year	
15	Fri		
16	Sat	Holiday	
17	Sun	Holiday	
18	Mon	University Practical Exam for II/III/IV B.E/B.Tech	
19	Tue		
20	Wed		
21	Thu		
22	Fri		
23	Sat	Holiday	
24	Sun	Holiday	
25	Mon		
26	Tue	V Unit Completion for I B.E/B.Tech	
27	Wed	Univeristy Theory Exam for II/III/ IV B.E/B.Tech	
28	Thu		
29	Fri		
30	Sat	Holiday	

MAY - 2016			Department Events
Date	Working Days	Remarks	
1	Sun	May Day	
2	Mon	III Internal Assessment for I B.E/B.Tech	
3	Tue		
4	Wed		
5	Thu		
6	Fri		
7	Sat	NCIETET 2016	
8	Sun	Holiday	
9	Mon	Last Working day for I B.E/B.Tech	
10	Tue		
11	Wed		
12	Thu		
13	Fri		
14	Sat	Holiday	
15	Sun	Holiday	
16	Mon	University Practical Exam for I B.E/B.Tech	
17	Tue		
18	Wed		
19	Thu		
20	Fri		
21	Sat	Holiday	
22	Sun	Holiday	
23	Mon		
24	Tue		
25	Wed	University Theory Exam for I B.E/B.Tech	
26	Thu		
27	Fri		
28	Sat	Holiday	
29	Sun	Holiday	
30	Mon		
31	Tue		

JUNE - 2016			Department Events
Date	Working Days	Remarks	
1	Wed		
2	Thu		
3	Fri		
4	Sat	Holiday	
5	Sun	Holiday	
6	Mon		
7	Tue		
8	Wed		
9	Thu		
10	Fri		
11	Sat	Holiday	
12	Sun	Holiday	
13	Mon		
14	Tue		
15	Wed		
16	Thu		
17	Fri		
18	Sat	Holiday	
19	Sun	Holiday	
20	Mon		
21	Tue		
22	Wed		
23	Thu		
24	Fri		
25	Sat	Holiday	
26	Sun	Holiday	
27	Mon		
28	Tue		
29	Wed		
30	Thu		

➔ Please Note: The Department Events have been Tentatively Scheduled

ANNA UNIVERSITY, CHENNAI

Affiliated Institutions

Regulation 2008 - Syllabus

SEMESTER I

SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	HS2111	Technical English - I	3	1	0	4
2.	MA2111	Mathematics - I	3	1	0	4
3.	PH2111	Engineering Physics - I	3	0	0	3
4.	CY2111	Engineering Chemistry - I	3	0	0	3
5.	GE2111	Engineering Graphics	2	3	0	5
6.	GE2112	Fundamentals of Computing and Programming	3	0	0	3
PRACTICAL						
7.	GE2115	Computer Practice Laboratory -I	0	0	3	2
8.	GE2116	Engineering Practices Laboratory	0	0	3	2
9.		* Physics & Chemistry Laboratory I	0	0	3	-
TOTAL : 26 CREDITS						

* Laboratory classes on alternate weeks for Physics and Chemistry. The lab examinations will be held only in the second semester (Including the first semester experiments also).

SEMESTER II

SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	HS2161	Technical English – II*	3	1	0	4
2.	MA2161	Mathematics – II*	3	1	0	4
3.	PH2161	Engineering Physics – II*	3	0	0	3
4.	CY2161	Engineering Chemistry – II*	3	0	0	3
5. a	ME2151	Engineering Mechanics (For non-circuit branches)	3	1	0	4
5. b	EE2151	Circuit Theory (For branches under Electrical Faculty)	3	1	0	4
5. c	EC2151	Electric Circuits and Electron Devices (For branches under I & C Faculty)	3	1	0	4
6. a	GE2151	Basic Electrical & Electronics Engineering (For non-circuit branches)	4	0	0	4
6. b	GE2152	Basic Civil & Mechanical Engineering (For circuit branches)	4	0	0	4
PRACTICAL						
7.	GE2155	Computer Practice Laboratory-II*	0	1	2	2
8.	GS2165	Physics & Chemistry Laboratory - II*	0	0	3	2
9. a	ME2155	Computer Aided Drafting and Modeling Laboratory (For non-circuits branches)	0	1	2	2

9. b	EE2155	Electrical Circuits Laboratory (For branches under Electrical Faculty)	0	0	3	2
9. c	EC2155	Circuits and Devices Laboratory (For branches under I & C Faculty)	0	0	3	2
TOTAL : 28 CREDITS						
10.	-	English Language Laboratory ⁺	0	0	2	-

SEMESTER III

Code No.	Course Title	L	T	P	C
THEORY					
MA 2211	Transforms and Partial Differential Equations	3	1	0	4
CS 2201	Data Structures	3	0	0	3
CS 2202	Digital Principles and Systems Design	3	1	0	4
CS 2203	Object Oriented Programming	3	0	0	3
CS 2204	Analog and Digital Communication	3	1	0	4
GE 2021	Environmental Science and Engineering	3	0	0	3
PRACTICAL					
CS 2207	Digital Lab	0	0	3	2
CS 2208	Data Structures Lab	0	0	3	2
CS 2209	Object Oriented Programming Lab	0	0	3	2
	Total	18	3	9	27

SEMESTER IV

Code No.	Course Title	L	T	P	C
THEORY					
MA 2262	Probability and Queueing Theory	3	1	0	4
CS 2251	Design and Analysis of Algorithms	3	1	0	4
CS 2252	Microprocessors and Microcontrollers	3	0	0	3
CS 2253	Computer Organization and Architecture	3	0	0	3
CS 2254	Operating Systems	3	0	0	3
CS 2255	Database Management Systems	3	0	0	3
PRACTICAL					
CS 2257	Operating Systems Lab	0	0	3	2
CS 2258	Data Base Management Systems Lab	0	0	3	2
CS 2259	Microprocessors Lab	0	0	3	2
	Total	18	2	9	26

SEMESTER V

CODE NO.	COURSE TITLE	L	T	P	C
THEORY					
CS 2301	Software Engineering	3	0	0	3
MA 2265	Discrete Mathematics	3	1	0	4
CS 2302	Computer Networks	3	0	0	3
CS 2303	Theory of Computation	3	1	0	4
CS 2304	System Software	3	1	0	4
CS 2305	Programming Paradigms	3	0	0	3
PRACTICAL					
CS 2307	Network Lab	0	0	3	2
CS 2308	System Software Lab	0	0	3	2
CS 2309	Java Lab	0	0	3	2
TOTAL		18	3	9	27

SEMESTER VI

CODE NO.	COURSE TITLE	L	T	P	C
THEORY					
CS 2351	Artificial Intelligence	3	0	0	3
CS 2352	Principles of Compiler Design	3	0	2	4
CS 2353	Object Oriented Analysis and Design	3	0	0	3
CS 2354	Advanced Computer Architecture	3	0	0	3
	Elective – I	3	0	0	3
	Elective – II	3	0	0	3
PRACTICAL					
CS 2357	Object Oriented Analysis and Design Lab	0	0	3	2
GE 2321	Communication Skills Lab	0	0	4	2
CS 2358	Internet Programming Lab	1	0	3	2
TOTAL		19	0	12	25

SEMESTER VII

Code No.	Course Title	L	T	P	C
THEORY					
MG 2452	Engineering Economics & Financial Accounting	3	0	0	3
CS 2401	Computer Graphics	3	0	0	3
CS 2402	Mobile and Pervasive Computing	3	0	0	3
CS 2403	Digital Signal Processing	3	0	0	3
	Elective III	3	0	0	3
	Elective IV	3	0	0	3
PRACTICAL					
CS 2405	Computer Graphics Lab	0	0	3	2
CS 2406	Open Source Lab	0	0	3	2
TOTAL		18	0	6	22

SEMESTER VIII

Code No.	Course Title	L	T	P	C
THEORY					
	Elective V	3	0	0	3
	Elective VI	3	0	0	3
PRACTICAL					
CS 2451	Project Work	0	0	12	6
TOTAL		6	0	12	12

LIST OF ELECTIVES SEMESTER VI – Elective I

Code No.	Course Title	L	T	P	C
CS2021	Multicore Programming	3	0	0	3
CS2022	Visual Programming	3	0	0	3
CS2023	Advanced JAVA Programming	3	0	0	3
CS2024	Parallel Programming	3	0	0	3
IT2353	Web Technology	3	0	0	3

SEMESTER VI – Elective II

Code No.	Course Title	L	T	P	C
CS 2028	UNIX Internals	3	0	0	3
MA 2264	Numerical Methods	3	1	0	4
IT 2354	Embedded Systems	3	0	0	3
CS 2029	Advanced Database Technology	3	0	0	3
IT 2043	Knowledge Management	3	0	0	3
CS 2030	High Performance Microprocessors	3	0	0	3

SEMESTER VII – Elective III

Code No.	Course Title	L	T	P	C
MG 2453	Resource Management Techniques	3	0	0	3
CS 2032	Data Warehousing and Data Mining	3	0	0	3
CS 2033	Real Time Systems	3	0	0	3
CS 2034	TCP/IP Design and Implementation	3	0	0	3
CS 2035	Natural Language Processing	3	0	0	3
IT 2024	User Interface Design	3	0	0	3
IT 2401	Service Oriented Architecture	3	0	0	3

SEMESTER VII – Elective IV

Code No.	Course Title	L	T	P	C
CS 2040	Advanced Operating Systems	3	0	0	3
CS 2041	C# and .NET Framework	3	0	0	3
IT 2352	Cryptography and Network Security	3	0	0	3
IT 2061	Systems Modeling & Simulation	3	0	0	3
GE 2022	Total Quality Management	3	0	0	3
IT 2351	Network Programming and Management	3	0	0	3
IT 2032	Software Testing	3	0	0	3
CS 2045	Wireless Networks	3	0	0	3

SEMESTER VIII – Elective V

Code No.	Course Title	L	T	P	C
GE 2071	Intellectual Property Rights	3	0	0	3
CS 2051	Graph Theory	3	0	0	3
IT 2042	Information Security	3	0	0	3
CS 2053	Soft Computing	3	0	0	3
IT 2023	Digital Image Processing	3	0	0	3
CS 2055	Software Quality Assurance	3	0	0	3
CS 2056	Distributed Systems	3	0	0	3
CS 2057	Knowledge Based Decision Support Systems	3	0	0	3
GE 2025	Professional Ethics in Engineering	3	0	0	3
GE 2023	Fundamental of Nano Science	3	0	0	3

SEMESTER VIII – Elective VI

Code No.	Course Title	L	T	P	C
GE 2072	Indian Constitution and Society	3	0	0	3
CS 2060	High Speed Networks	3	0	0	3
CS 2061	Robotics	3	0	0	3
IT 2403	Software Project Management	3	0	0	3
CS 2062	Quantum Computing	3	0	0	3
CS 2063	Grid Computing	3	0	0	3
CS 2064	Agent Based Intelligent Systems	3	0	0	3
IT 2033	Bio Informatics	3	0	0	3
IT 2064	Speech Processing	3	0	0	3

ANNA UNIVERSITY, CHENNAI

Affiliated Institutions

Regulation 2013 - Syllabus

SEMESTER I

SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	HS6151	Technical English – I	3	1	0	4
2.	MA6151	Mathematics – I	3	1	0	4
3.	PH6151	Engineering Physics – I	3	0	0	3
4.	CY6151	Engineering Chemistry – I	3	0	0	3
5.	GE6151	Computer Programming	3	0	0	3
6.	GE6152	Engineering Graphics	2	0	3	4
PRACTICALS						
7.	GE6161	Computer Practices Laboratory	0	0	3	2
8.	GE6162	Engineering Practices Laboratory	0	0	3	2
9.	GE6163	Physics and Chemistry Laboratory - I	0	0	2	1
TOTAL			17	2	11	26

SEMESTER II

SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	HS6251	Technical English – II	3	1	0	4
2.	MA6251	Mathematics – II	3	1	0	4
3.	PH6251	Engineering Physics – II	3	0	0	3
4.	CY6251	Engineering Chemistry – II	3	0	0	3
5.	CS6201	Digital Principles and System Design	3	0	0	3
6.	CS6202	Programming and Data Structures I	3	0	0	3
PRACTICALS						
7.	GE6262	Physics and Chemistry Laboratory - II	0	0	2	1
8.	CS6211	Digital Laboratory	0	0	3	2
9.	CS6212	Programming and Data Structures Laboratory I	0	0	3	2
TOTAL			18	2	8	25

SEMESTER III

SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	MA6351	Transforms and Partial Differential Equations	3	1	0	4
2.	CS6301	Programming and Data Structure II	3	0	0	3
3.	CS6302	Database Management Systems	3	0	0	3
4.	CS6303	Computer Architecture	3	0	0	3
5.	CS6304	Analog and Digital Communication	3	0	0	3
6.	GE6351	Environmental Science and Engineering	3	0	0	3
PRACTICAL						
7.	CS6311	Programming and Data Structure Laboratory II	0	0	3	2
8.	CS6312	Database Management Systems Laboratory	0	0	3	2
TOTAL			18	1	6	23

SEMESTER IV

SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	MA6453	Probability and Queueing Theory	3	1	0	4
2.	CS6551	Computer Networks	3	0	0	3
3.	CS6401	Operating Systems	3	0	0	3
4.	CS6402	Design and Analysis of Algorithms	3	0	0	3
5.	EC6504	Microprocessor and Microcontroller	3	0	0	3
6.	CS6403	Software Engineering	3	0	0	3
PRACTICAL						
7.	CS6411	Networks Laboratory	0	0	3	2
8.	CS6412	Microprocessor and Microcontroller Laboratory	0	0	3	2
9.	CS6413	Operating Systems Laboratory	0	0	3	2
TOTAL			18	1	9	25

SEMESTER V

SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	MA6566	Discrete Mathematics	3	1	0	4
2.	CS6501	Internet Programming	3	1	0	4
3.	CS6502	Object Oriented Analysis and Design	3	0	0	3
4.	CS6503	Theory of Computation	3	0	0	3
5.	CS6504	Computer Graphics	3	0	0	3
PRACTICAL						
6.	CS6511	Case Tools Laboratory	0	0	3	2
7.	CS6512	Internet Programming Laboratory	0	0	3	2
8.	CS6513	Computer Graphics Laboratory	0	0	3	2
TOTAL			15	2	9	23

SEMESTER VI

SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	CS6601	Distributed Systems	3	0	0	3
2.	IT6601	Mobile Computing	3	0	0	3
3.	CS6660	Compiler Design	3	0	0	3
4.	IT6502	Digital Signal Processing	3	1	0	4
5.	CS6659	Artificial Intelligence	3	0	0	3
6.		Elective I	3	0	0	3
PRACTICAL						
7.	CS6611	Mobile Application Development Laboratory	0	0	3	2
8.	CS6612	Compiler Laboratory	0	0	3	2
9.	GE6674	Communication and Soft Skills - Laboratory Based	0	0	4	2
TOTAL			18	1	10	25

SEMESTER VII

SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	CS6701	Cryptography and Network Security	3	0	0	3
2.	CS6702	Graph Theory and Applications	3	0	0	3
3.	CS6703	Grid and Cloud Computing	3	0	0	3
4.	CS6704	Resource Management Techniques	3	0	0	3
5.		Elective II	3	0	0	3
6.		Elective III	3	0	0	3
PRACTICAL						
7.	CS6711	Security Laboratory	0	0	3	2
8.	CS6712	Grid and Cloud Computing Laboratory	0	0	3	2
TOTAL			18	0	6	22

SEMESTER VIII

SL. No.	COURSE CODE	COURSE TITLE	L	T	P	C
THEORY						
1.	CS6801	Multi – Core Architectures and Programming	3	0	0	3
2.		Elective IV	3	0	0	3
3.		Elective V	3	0	0	3
PRACTICAL						
4.	CS6811	Project Work	0	0	12	6
TOTAL			9	0	12	15

TOTAL NO. OF CREDITS: 184

LIST OF ELECTIVES

SEMESTER VI – Elective I

S.NO.	CODE NO.	COURSE TITLE	L	T	P	C
1.	CS6001	C# and .Net programming	3	0	0	3
2.	GE6757	Total Quality Management	3	0	0	3
3.	IT6702	Data Warehousing and Data Mining	3	0	0	3
4.	CS6002	Network Analysis and Management	3	0	0	3
5.	IT6004	Software Testing	3	0	0	3

SEMESTER VII – Elective II

S.NO.	CODE NO.	COURSE TITLE	L	T	P	C
6.	CS6003	Ad hoc and Sensor Networks	3	0	0	3
7.	CS6004	Cyber Forensics	3	0	0	3
8.	CS6005	Advanced Database Systems	3	0	0	3
9.	BM6005	Bio Informatics	3	0	0	3
10.	IT6801	Service Oriented Architecture	3	0	0	3

SEMESTER VII – Elective III

S.NO	CODE NO.	COURSE TITLE	L	T	P	C
11.	IT6005	Digital Image Processing	3	0	0	3
12.	EC6703	Embedded and Real Time Systems	3	0	0	3
13.	CS6006	Game Programming	3	0	0	3
14.	CS6007	Information Retrieval	3	0	0	3
15.	IT6006	Data Analytics	3	0	0	3

SEMESTER VIII – Elective IV

S.NO.	CODE NO.	COURSE TITLE	L	T	P	C
16.	CS6008	Human Computer Interaction	3	0	0	3
17.	CS6009	Nano Computing	3	0	0	3
18.	IT6011	Knowledge Management	3	0	0	3
19.	CS6010	Social Network Analysis	3	0	0	3

SEMESTER VIII – Elective V

S.NO.	CODE NO.	COURSE TITLE	L	T	P	C
20.	MG6088	Software Project Management	3	0	0	3
21.	GE6075	Professional Ethics in Engineering	3	0	0	3
22.	CS6011	Natural Language Processing	3	0	0	3
23.	CS6012	Soft Computing	3	0	0	3