



Dr. A.P.J. Abdul Kalam University, Indore

Grading System

Scheme of Examination

Bachelor of Engineering (Computer Science & Engineering)

Semester/Year: IIIrd sem & IVth sem / IInd Year



Dr. A.P.J. Abdul Kalam University, Indore

Grading System

Scheme of Examination

Bachelor of Engineering (Computer Science & Engineering)

SEMESTER : IIIrd SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks Allotted						Hours/Week			Credits	Marks
			Theory			Practical			L	T	P		
			End Sem.	Mid Sem. Test	Quiz, Assignm ent	End Sem.	Lab Work	Assignm ent/ Quiz					
1	MA220T	Mathematics - III	70	20	10	00	00	00	3	1	0	4	100
2	CS221T	Electronic Devices & Circuits	70	20	10	00	00	00	2	1	0	3	100
3	CS222T	Digital Circuit & Design	70	20	10	00	00	00	3	0	0	3	100
4	CS223T	Data Structures-II	70	20	10	00	00	00	2	1	0	3	100
5	CS224T	Discrete Structures	70	20	10	00	00	00	3	1	0	4	100
6	HU220T	Communication Skills	70	20	10	00	00	00	1	0	0	1	100
7	HU221	Idea Generation*	00	00	00	00	00	50	0	0	4	2*	50
8	HU222	Learning Through Experts*	00	00	00	00	00	50	2	0	0	2*	50
9	CS221P	Electronic Devices & Circuits	00	00	00	30	10	10	0	0	2	1	50
10	CS222P	Digital Circuit & Design	00	00	00	30	10	10	0	0	2	1	50
11	CS223P	Data Structures	00	00	00	30	10	10	0	0	2	1	50
12	HU220P	Communication Skills	00	00	00	30	10	10	0	0	2	1	50
Total			420	120	60	120	40	140	16	4	12	26	900

L: Lecture

T: Tutorial

P: Practical

Note:

- For 'Idea Generation', 'Learning through Experts', there will be no examination and credits will be awarded only on the basis of internal assessment.
- Mathematics- III will be a departmental elective subject with content customized to the requirements of parent discipline.



Dr. A.P.J. Abdul Kalam University, Indore

Grading System

Scheme of Examination

Bachelor of Engineering (Computer Science & Engineering)

SEMESTER : IVTH SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks Allotted						Hours/Week			Credits	Marks
			Theory			Practical			L	T	P		
			End Sem.	Mid Sem. Test	Quiz, Assignm ent	End Sem.	Lab Work	Assignm ent/ Quiz					
1	CS-225 T	Computer System Organization	70	20	10	00	00	00	3	1	0	4	100
2	CS-226T	Analog & Digital communication	70	20	10	00	00	00	2	1	0	3	100
3	CS-227 T	Theory of computation	70	20	10	00	00	00	3	0	0	3	100
4	CS-228 T	Analysis & Design of algorithm	70	20	10	00	00	00	2	1	0	3	100
5	ES-220 T	Material Science	70	20	10	00	00	00	3	1	0	4	100
6	ES-221 T	System Engineering	70	20	10	00	00	00	3	1	0	4	100
7	HU-223P	NSS/NCC *	-	-	-	-	-	-	-	-	-	-	Qualifier*
8	CS-229P	Programming System (any one) (a)Java (b) Dot Net Technology (c) MATLAB	00	00	00	30	10	10	0	0	4	2	50
9	CS-225 P	Computer System Organization	00	00	00	30	10	10	0	0	2	1	50
10	CS-226P	Analog & Digital communication	00	00	00	30	10	10	0	0	2	1	50
11	CS-228 P	Analysis & Design of algorithm	00	00	00	30	10	10	0	0	2	1	50
Total			420	120	60	120	40	40	16	5	10	26	800

L: Lecture

T: Tutorial

P: Practical

Note:

- NSS/NCC is just a qualifier subject which means student has to compulsorily qualify this is a mandatory requirement for the award of degree before completing the course.
- For Material Science, 60% content will be common to all disciplines and 40% content will be based on parent discipline.



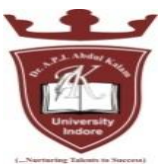
Dr. A.P.J. Abdul Kalam University, Indore

Grading System

Scheme of Examination

Bachelor of Engineering (Computer Science & Engineering)

Semester/Year: Vth sem & VIth sem / IIIrd Year



Dr. A.P.J. Abdul Kalam University, Indore

Grading System

Scheme of Examination

Bachelor of Engineering (Computer Science & Engineering)

SEMESTER : Vth SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks Allotted						Hours/Week			Credits	Marks
			Theory			Practical			L	T	P		
			End Sem.	Mid Sem. Test	Quiz, Assignment	End Sem.	Lab Work	Assignment/ Quiz					
1	CS-501 T	Data Communication	70	20	10	00	00	00	3	1	0	4	100
2	CS-502 T	Operating System	70	20	10	00	00	00	3	1	0	4	100
3	CS-503 T	Data Base Management System	70	20	10	00	00	00	3	1	0	4	100
4	CS-504 T	Computer Graphics & Multimedia	70	20	10	00	00	00	3	1	0	4	100
5	CS-505T	Theory of Computation	70	20	10	00	00	00	3	1	0	4	100
6	HU-223P	NSS/NCC *	-	-	-	-	-	-	-	-	-	-	Qualifier*
7	CS-502 P	Operating System	00	00	00	30	10	10	0	0	2	1	50
8	CS-503 P	Data Base Management System	00	00	00	30	10	10	0	0	2	1	50
9	CS-504 P	Computer Graphics & Multimedia	00	00	00	30	10	10	0	0	2	1	50
10	CS-506 P	Computer Programming V (Unix/Linux Lab)	00	00	00	30	10	10	0	0	2	1	50
11	CS-507	Soft Skill-I (Internal Assessment)	00	00	00	00	00	50	0	0	2	1*	50
12	CS-508	Seminar / Group Discussion (Internal Assessment)	00	00	00	00	00	50	0	0	2	1*	50
Total			350	100	50	120	40	140	15	5	12	26	800

L: Lecture

T: Tutorial

P: Practical

Note:

- For 'Soft Skill-I', 'Seminar and Group Discussion', there will be no examination and credits will be awarded only on the basis of internal assessment.

- NSS/NCC is just a qualifier subject which means student has to compulsorily qualify this is a mandatory requirement for the award of degree before completing the course.



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Grading System

Scheme of Examination

Bachelor of Engineering (Computer Science & Engineering)

SEMESTER : VITH SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks Allotted						Hours/Week			Credits	Marks
			Theory			Practical			L	T	P		
			End Sem.	Mid Sem. Test	Quiz, Assignment	End Sem.	Lab Work	Assignment/ Quiz					
1	CS-601T	Micro Processor and Interfacing	70	20	10	00	00	00	3	1	0	4	100
2	CS-602T	PPL	70	20	10	00	00	00	3	1	0	4	100
3	CS-603T	Software Engineering & Project managements	70	20	10	00	00	00	3	1	0	4	100
4	CS-604T	Computer Networking	70	20	10	00	00	00	3	1	0	4	100
5	CS-605T	Advance Computer Architecture(ACA)	70	20	10	00	00	00	3	1	0	4	100
6	HU-223 P	NSS/NCC *	-	-	-	-	-	-	-	-	-	-	Qualifier*
7	CS-601P	Micro Processor and Interfacing	00	00	00	30	10	10	0	0	2	1	50
8	CS-603P	Software Engineering & Project managements	00	00	00	30	10	10	0	0	2	1	50
9	CS-604P	Computer Networking	00	00	00	30	10	10	0	0	2	1	50
10	CS-606 P	Minor Project – I	00	00	00	30	10	10	0	0	2	1	50
11	CS-607	Soft Skill-II (Internal Assessment)	00	00	00	00	00	50	0	0	2	1*	50
12	CS-608	Seminar / Group Discussion (Internal Assessment)	00	00	00	00	00	50	0	0	2	1*	50
Total			350	100	50	120	40	140	15	5	12	26	800

L: Lecture

T: Tutorial

P: Practical

Note:

-For 'Soft Skill-II', 'Seminar and Group Discussion', there will be no examination and credits will be awarded only on the basis of internal assessment.

- NSS/NCC is just a qualifier subject which means student has to compulsorily qualify this is a mandatory requirement for the award of degree before completing the course.



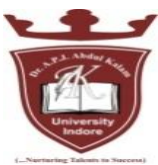
Dr. A.P.J. Abdul Kalam University, Indore

Grading System

Scheme of Examination

Bachelor of Engineering (Computer Science & Engineering)

Semester/Year: VIIth sem & VIIIth sem /IVTH Year



Dr. A.P.J. Abdul Kalam University, Indore

Grading System

Scheme of Examination

Bachelor of Engineering (Computer Science & Engineering)

SEMESTER : VIITH SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks Allotted						Hours/Week			Credits	Marks
			Theory			Practical			L	T	P		
			End Sem.	Mid Sem. Test	Quiz, Assignment	End Sem.	Lab Work	Assignment/ Quiz					
1	CS-701T	Compiler Design	70	20	10	00	00	00	3	1	0	4	100
2	CS-702T	Distributed System	70	20	10	00	00	00	3	1	0	4	100
3	CS-703T	Cloud Computing	70	20	10	00	00	00	3	1	0	4	100
4	CS-704T	Information Storage & Management	70	20	10	00	00	00	3	1	0	4	100
5	CS-710T	Elective -I	70	20	10	00	00	00	3	1	0	4	100
6	HU-224P	Yoga *	-	-	-	-	-	-	-	-	-	-	Qualifier*
7	CS-701P	Compiler Design	00	00	00	30	10	10	0	0	2	1	50
8	CS-703P	Cloud Computing	00	00	00	30	10	10	0	0	2	1	50
9	CS-705P	Industrial Training (4Weeks)	00	00	00	30	10	10	0	0	2	1	50
10	CS-706P	Major Project	00	00	00	80	10	10	0	0	2	1	100
11	CS-707	Self study	00	00	00	00	00	50	0	0	2	1*	50
12	CS-708	Seminar /Group Discussion	00	00	00	00	00	50	0	0	2	1*	50
Total			350	100	50	120	40	140	15	5	12	26	850

L : Lecture

T: Tutorial

P: Practical

Elective –I CS 7101 - N/W & Web Security

CS 7102 - Simulation & Modelling

Note:

-Minimum Strength of Ten Students is required to offer an Elective in the College in a Particular Academic Session.

-Choice of Elective Course ones made for an examination cannot be changed for future examinations

-For 'Self study', 'Seminar and Group Discussion', there will be no examination and credits will be awarded only on the basis of internal assessment.

-Yoga is just a qualifier subject which means student has to compulsorily qualify this is a mandatory requirement for the award of degree before completing the course.



Dr. A.P.J. Abdul Kalam University, Indore

Grading System

Scheme of Examination

Bachelor of Engineering (Computer Science & Engineering)

SEMESTER : VIIITH SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks Allotted						Hours/Week			Credits	Marks
			Theory			Practical			L	T	P		
			End Sem.	Mid Sem. Test	Quiz, Assignment	End Sem.	Lab Work	Assignment/ Quiz					
1	CS-801T	Soft Computing	70	20	10	00	00	00	3	1	0	4	100
2	CS-802T	Web Engineering	70	20	10	00	00	00	3	1	0	4	100
3	CS-820T	Elective -II	70	20	10	00	00	00	3	1	0	4	100
4	CS-830T	Elective -III	70	20	10	00	00	00	3	1	0	4	100
5	CS-801P	Soft Computing	00	00	00	30	10	10	0	0	2	1	50
6	CS-802P	Web Engineering	00	00	00	30	10	10	0	0	2	1	50
7	CS-805P	Major Project	00	00	00	170	40	40	0	0	8	4	250
8	CS-806	Self study	00	00	00	00	00	50	0	0	2	1*	50
9	CS-807	Seminar /Group Discussion	00	00	00	00	00	50	0	0	2	1*	50
Total			280	80	40	230	60	160	12	4	16	24	850

L : Lecture

T: Tutorial

P: Practical

Note:

Elective –II CS8201 - N/W Management

Elective-III CS8301 Bioinformatics

CS 8202 – Cyber Security

CS8302 Digital image processing

CS8203 – Data Mining and Knowledge Discovery

CS8303 wireless network Web & Ontologies

Note:

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-Yoga is just a qualifier subject which means student has to compulsorily qualify this is a mandatory requirement for the award of degree before completing the course.



Dr. A.P.J. Abdul Kalam University, Indore

Grading System

Scheme of Examination

Bachelor of Engineering (Information Technology)

Semester/Year: IIIrd Sem & IVth Sem / IInd Year



Dr. A.P.J. Abdul Kalam University, Indore

Grading System

Scheme of Examination

Bachelor of Engineering (Information Technology)

SEMESTER : IIIrd SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks Allotted						Hours/Week			Credits	Marks
			Theory			Practical			L	T	P		
			End Sem.	Mid Sem. Test	Quiz, Assignment	End Sem.	Lab Work	Assignment/ Quiz					
1	MA220T	Mathematics - II	70	20	10	00	00	00	3	1	0	4	100
2	IT-221T	Analysis and Design of Algorithms	70	20	10	00	00	00	2	1	0	3	100
3	IT222T	Digital Circuit & Design	70	20	10	00	00	00	3	1	0	4	100
4	IT223T	Object oriented Programming & Methodology	70	20	10	00	00	00	2	1	0	3	100
5	IT224T	Discrete Structures	70	20	10	00	00	00	3	1	0	4	100
6	HU220T	Communication Skills	70	20	10	00	00	00	1	0	0	1	100
7	HU221	Idea Generation*	00	00	00	00	00	50	0	0	4	2*	50
8	HU222	Learning Through Experts*	00	00	00	00	00	50	2	0	0	2*	50
10	IT222P	Digital Circuit & Design	00	00	00	30	10	10	0	0	2	1	50
11	IT223P	Object oriented Programming & Methodology	00	00	00	30	10	10	0	0	2	1	50
12	HU220P	Communication Skills	00	00	00	30	10	10	0	0	2	1	50
Total			420	120	60	90	30	130	16	4	12	26	850

L: Lecture

T: Tutorial

P: Practical

Note:

- For 'Idea Generation', 'Learning through Experts', there will be no examination and credits will be awarded only on the basis of internal assessment.
- Mathematics- III will be a departmental elective subject with content customized to the requirements of parent discipline.



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Grading System

Scheme of Examination

Bachelor of Engineering (Information Technology)

SEMESTER : IVTH SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks Allotted						Hours/Week			Credits	Marks
			Theory			Practical			L	T	P		
			End Sem.	Mid Sem. Test	Quiz, Assignment	End Sem.	Lab Work	Assignment/ Quiz					
1	IT-225 T	Data Base Management System	70	20	10	00	00	00	3	1	0	4	100
2	IT226T	Operating System	70	20	10	00	00	00	2	1	0	3	100
3	IT227T	Communication Systems	70	20	10	00	00	00	3	0	0	3	100
4	IT 228T	Computer Architecture	70	20	10	00	00	00	2	1	0	3	100
5	ES-220 T	Material Science	70	20	10	00	00	00	3	1	0	4	100
6	ES-221 T	System Engineering	70	20	10	00	00	00	3	1	0	4	100
7	HU-223P	NSS/NCC *	-	-	-	-	-	-	-	-	-	-	Qualifier*
8	IT229P	JAVA	00	00	00	30	10	10	0	0	4	2	50
9	IT-225 P	Data Base Management System	00	00	00	30	10	10	0	0	2	1	50
10	IT226P	Operating System	00	00	00	30	10	10	0	0	2	1	50
11	IT227P	Communication Systems	00	00	00	30	10	10	0	0	2	1	50
Total			420	120	60	120	40	40	16	5	10	26	800

L: Lecture

T: Tutorial

P: Practical

Note:

- NSS/NCC is just a qualifier subject which means student has to compulsorily qualify this is a mandatory requirement for the award of degree before completing the course.
- For Material Science, 60% content will be common to all disciplines and 40% content will be based on parent discipline.



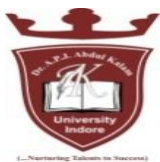
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Grading System

Scheme of Examination

Bachelor of Engineering (Information Technology)

Semester/Year: VTH Sem & VIth Sem /IIIRD Year



Dr. A.P.J. Abdul Kalam University, Indore

Grading System

Scheme of Examination

Bachelor of Engineering (Information Technology)

SEMESTER : VTH SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks Allotted						Hours/Week			Credits	Marks
			Theory			Practical			L	T	P		
			End Sem.	Mid Sem. Test	Quiz, Assignment	End Sem.	Lab Work	Assignment/ Quiz					
1	IT-501T	Data Communication	70	20	10	00	00	00	3	1	0	4	100
2	IT-502T	Information Storage & Management	70	20	10	00	00	00	3	1	0	4	100
3	IT -503T	Computer Networks	70	20	10	00	00	00	3	1	0	4	100
4	IT -504T	System Programming and operating system	70	20	10	00	00	00	3	1	0	4	100
5	IT -505T	Java Programming	70	20	10	00	00	00	3	1	0	4	100
6	HU-223P	NSS/NCC *	-	-	-	-	-	-	-	-	-	-	Qualifier*
7	IT-501P	Data Communication	00	00	00	30	10	10	0	0	2	1	100
8	IT -503P	Computer Networks	00	00	00	30	10	10	0	0	2	1	50
9	IT -504P	System Programming and operating system	00	00	00	30	10	10	0	0	2	1	50
10	IT -506P	Java Programming Lab	00	00	00	30	10	10	0	0	2	1	50
11	IT -507	Soft Skill-I (Internal Assessment)	00	00	00	00	00	50	0	0	2	1*	50
12	IT -508	Seminar / Group Discussion (Internal Assessment)	00	00	00	00	00	50	0	0	2	1*	50
Total			350	100	50	120	40	140	15	5	12	26	800

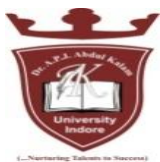
L: Lecture

T: Tutorial

P: Practical

Note:

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- For 'Soft Skill-I', 'Seminar and Group Discussion', there will be no examination and credits will be awarded only on the basis of internal assessment



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Grading System

Scheme of Examination

Bachelor of Engineering (Information Technology)

SEMESTER : VITH SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks Allotted						Hours/Week			Credits	Marks
			Theory			Practical			L	T	P		
			End Sem.	Mid Sem. Test	Quiz, Assignment	End Sem.	Lab Work	Assignment/ Quiz					
1	IT-601T	Distributed Systems	70	20	10	00	00	00	3	1	0	4	100
2	IT-602 T	Computer Graphics & Multimedia	70	20	10	00	00	00	3	1	0	4	100
3	IT -603T	Internet Technology & Network Management	70	20	10	00	00	00	3	1	0	4	100
4	IT -604T	Web Technology	70	20	10	00	00	00	3	1	0	4	100
5	IT -605T	Software Engineering & Project Management	70	20	10	00	00	00	3	1	0	4	100
6	HU-223P	NSS/NCC *	-	-	-	-	-	-	-	-	-	-	Qualifier*
7	IT-601P	Distributed Systems	00	00	00	30	10	10	0	0	2	1	100
8	IT-602 P	Computer Graphics & Multimedia	00	00	00	30	10	10	0	0	2	1	50
9	IT -604P	Web Technology	00	00	00	30	10	10	0	0	2	1	50
10	IT -606P	Software Engineering Lab	00	00	00	30	10	10	0	0	2	1	50
11	IT -607	Soft Skill II (Internal Assessment)	00	00	00	00	00	50	0	0	2	1*	50
12	IT -608	Seminar / Group Discussion (Internal Assessment)	00	00	00	00	00	50	0	0	2	1*	50
Total			350	100	50	120	40	140	15	5	12	26	800

L: Lecture

T: Tutorial

P: Practical

Note:

- NSS/NCC is just a qualifier subject which means student has to compulsorily qualify this is a mandatory requirement for the award of degree before completing the course.
- For 'Soft Skill-II', 'Seminar and Group Discussion', there will be no examination and credits will be awarded only on the basis of internal assessment



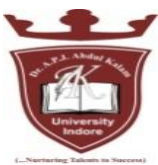
Dr. A.P.J. Abdul Kalam University, Indore

Grading System

Scheme of Examination

Bachelor of Engineering (Information Technology)

Semester/Year: VIITHSem & VIIIth Sem /IVnd Year



Dr. A.P.J. Abdul Kalam University, Indore

Grading System

Scheme of Examination

Bachelor of Engineering (Information Technology)

SEMESTER : VIITH SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks Allotted						Hours/Week			Credits	Marks
			Theory			Practical			L	T	P		
			End Sem.	Mid Sem. Test	Quiz, Assignment	End Sem.	Lab Work	Assignment/ Quiz					
1	IT-701	Object Oriented Analysis and Design	70	20	10	00	00	00	3	1	0	4	100
2	IT-702	Wireless & Mobile Computing	70	20	10	00	00	00	3	1	0	4	100
3	IT -703	Cloud Computing	70	20	10	00	00	00	3	1	0	4	100
4	IT -704	Elective -I	70	20	10	00	00	00	3	1	0	4	100
5	IT -705	Elective -II	70	20	10	00	00	00	3	1	0	4	100
6	HU-224P	Yoga *	-	-	-	-	-	-	-	-	-	-	Qualifier*
7	IT-701	Object Oriented Analysis and Design	00	00	00	30	10	10	0	0	2	1	50
8	IT -703	Cloud Computing	00	00	00	30	10	10	0	0	2	1	50
9	IT -706	Minor Project	00	00	00	90	30	30	0	0	4	2	150
10	IT -707	Industrial Training (4 Weeks)	00	00	00	60	20	20	0	0	2	1	100
11	IT -708	Self Study (Internal Assessment Seminar / Group Discussion)	00	00	00	00	00	50	0	0	2	1*	50
12													
Total			350	100	50	210	70	120	15	5	12	26	900

L: Lecture

T: Tutorial

P: Practical

Note:

IT710- Advance Concepts in Database Systems

IT711-Simulation & Modeling

IT 712 Automata & Compiler Design

IT720- High Performance Computing

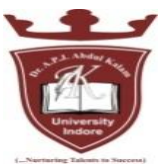
IT721-BioInformatics

IT 722 E-Commerce & Governance

-Minimum Strength of Ten Students is required to offer an Elective in the College in a Particular Academic Session. Choice of Elective Course once made for an examination cannot be changed for future examinations

-For 'Self study', 'Seminar and Group Discussion', there will be no examination and credits will be awarded only on the basis of internal assessment.

-NSS/NCC is just a qualifier subject which means student has to compulsorily qualify this is a mandatory requirement for the award of degree before completing the course.



Dr. A.P.J. Abdul Kalam University, Indore

Grading System

Scheme of Examination

Bachelor of Engineering (Information Technology)

SEMESTER : VIIITH SEMESTER

S. No.	Subject Code	Subject Name	Maximum Marks Allotted						Hours/Week			Credits	Marks
			Theory			Practical			L	T	P		
			End Sem.	Mid Sem. Test	Quiz, Assignm ent	End Sem.	Lab Work	Assignm ent/ Quiz					
1	IT-801T	Information Security	70	20	10	00	00	00	3	1	0	4	100
2	IT-802T	Soft Computing	70	20	10	00	00	00	3	1	0	4	100
3	IT83T	Elective -III	70	20	10	00	00	00	3	1	0	4	100
4	IT84T	Elective -IV	70	20	10	00	00	00	3	1	0	4	100
6	HU 224P	Yoga *	-	-	-	-	-	-	-	-	-	-	Qualifier*
7	IT-801P	Information Security	00	00	00	30	10	10	0	0	2	1	50
8	IT-802P	Soft Computing	00	00	00	30	10	10	0	0	2	1	50
9	IT -805P	Major Project	00	00	00	170	40	40	0	0	8	4	250
10	IT -806	Self Study (Internal Assessment)	00	00	00	00	00	50	0	0	2	1	50
11	IT -807	Seminar / Group Discussion	00	00	00	00	00	50	0	0	2	1	50
Total			280	80	40	230	60	160	15	5	12	24	850

L: Lecture

T: Tutorial

P: Practical

Note:

Elective –III

IT830- Component Based Software Engineering

IT831 Image processing

IT 832Artificial Intelligence

Elective –IV

IT840- Adhoc Network

IT841-Data Mining & Warehousing

IT842 -Cyber law & Forensic

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-For 'Self study', 'Seminar and Group Discussion', there will be no examination and credits will be awarded only on the basis of internal assessment.

-Yoga is just a qualifier subject which means student has to compulsorily qualify this is a mandatory requirement for the award of degree before completing the course.