



ARKA JAIN University
Jharkhand (Jamshedpur)

Recognized by **UGC**
Approved by **AICTE**

Scheme of Study of the Program

Diploma - Computer Engineering (DCS)

Semester I,II,III,IV,V & VI

(w.e.f batch 2017)

SEMESTER-I

Sl No.	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA	Attendance
1	Communication Skills in English -1*	3	3	100	70	20	5	5
2	Engineering Maths-1 \$	4	4	100	70	20	5	5
3	Applied Science \$	4	4	100	70	20	5	5
4	Engineering Graphics -1 #	3	3	100	70	20	5	5
5	Basic Computer Skills #	3	3	100	70	20	5	5
6	Applied Science Lab \$	1	2	50	35	5	5	5
7	Engineering Graphics Lab #	2	4	50	35	5	5	5
8	Basic Computer Skills Lab #	1	2	50	35	5	5	5
9	Workshop Practice Lab –I #	2	4	50	35	5	5	5
	Total	23	29	700	490	120	45	45

SEMESTER-II

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA	Attendance
1	Communication Skills in English - 2 *	3	3	100	70	20	5	5
2	Engineering Maths - 2 \$	4	4	100	70	20	5	5
3	Basics of Electrical& electronics engg. #	4	4	100	70	20	5	5
4	Engineering Graphics - 2 #	3	3	100	70	20	5	5
5	Fundamentals of Programming Using C #	3	3	100	70	20	5	5
6	Basic of electrical & electronics engg. Lab #	1	2	50	35	5	5	5
7	Engineering Graphics Lab-2 #	2	4	50	35	5	5	5
8	Fundamentals of Programming Using C Lab #	1	2	50	35	5	5	5
9	Workshop Practice Lab–I #	2	4	50	35	5	5	5
	Total	23	29	700	490	120	45	45

SEMESTER-III

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA	Attendance
1	Applied Mathematics \$	4	4	100	70	20	5	5
2	Data Structure **	4	4	100	70	20	5	5
3	Switching circuit and logic design #	3	3	100	70	20	5	5
4	Relational Data Base Management **	4	4	100	70	20	5	5
5	Computer Organization & Architecture **	3	3	100	70	20	5	5
6	DS Lab **	2	4	50	35	5	5	5
7	Data Base Management System Lab **	2	4	50	35	5	5	5
8	Computer Organization & Architecture Lab **	2	4	50	35	5	5	5
	Total	24	30	650	455	115	40	40

SEMESTER-IV

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA	Attendance
1	Computer Network #	4	4	100	70	20	5	5
2	Microprocessor & Programming #	3	3	100	70	20	5	5
3	Computer Graphics #	3	3	100	70	20	5	5
4	Design and analysis of algorithm #	3	3	100	70	20	5	5
5	Operating System #	3	3	100	70	20	5	5
	PRACTICAL							
6	Microprocessor & Programming Lab	2	2	50	35	5	5	5
7	OS Lab	2	2	50	35	5	5	5
8	DAA Lab	2	2	50	35	5	5	5
	Total	22	22	650	455	115	40	40

SEMESTER V

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA	Attendance
1	Software Engineering	4	4	100	70	20	5	5
2	Java Programming	4	4	100	70	20	5	5
3	Computer Security	3	3	100	70	20	5	5
4	Elective –I (Advanced Microprocessor / Windows Programing)	3	3	100	70	20	5	5
5	Java Programming Lab	2	2	50	35	5	5	5
6	Industrial Project & Entrepreneurship Development (In plant training & visit to work)	4	4 weeks Summer Training	100	50	50		
	Total	20	16	550	365	135	25	25

SEMESTER VI

S.No	Name of the Subject	Credit	Contact Hours Per Week	Total Marks	End Term Theory/ Practical Exam	Mid Term Theory/ Practical Exam	CIA	Attendance
1	Management	3	3	100	70	20	5	5
2	Software Testing	3	3	100	70	20	5	5
3	Internet & Web Technology	3	3	100	70	20	5	5
4	Elective-II (Advanced Web Technology/ Embedded System/System Programming)	3	3	100	70	20	5	5
5	Internet & Web Technology Lab	2	2	50	35	5	5	5
6	Project Work & Its Presentation in seminar	4	4	50	50			
	Total	18	18	500	365	85	25	25

***Humanities and Social Sciences (HS)** \$ **Basic Sciences(BS)** #**Engineering Sciences (ES)**

*****CIA - Continuous Internal Assessment - Based on Class Test / Assignment**

Note : Approved by BOS on dated 11.08.2017 & Approved by Academic Council on Dated 17.08.2017