

## Undertaking

It is to certified that in the light of the proposed application for permission to start Add-on Course for Computer Application (CA) & Information Technology (IT) by Uttari Karnpura Shramik Mahavidyalaya, Dakra. College will always comply with the guidelines such as Admission, Syllabus, Fee Structure and rules & regulations of CVS in letter and spirit to the University.

Principal

RANCHI UNIVERSITY CENTRE FOR VOCATIONAL COURSES



**THREE YEARS COURSE OF  
COMPUTER APPLICATION FOR  
CERTIFICATE/DIPLOMA & ADVANCE DIPLOMA**

Paper	Description	Marks		Examination Hours	No. of Lecture hours
		Theory	Practical		
<b>Part I</b>					
1	Computer Fundamentals & Operating System	75		3	75
2	Programming using C++	75		3	75
3	Practicals on Paper 1		50[25+25]	3	100 hrs.
4	Practicals on Paper 2		50[25+25]	3	100 hrs.
5	Project Work		50[Ext.]	3	
<b>Part II</b>					
6	AutoCAD & MIS	75		3	75
7	Data Base Management System	75		3	75
8	Practicals on Paper 6		50[25+25]	3	100 hrs.
9	Practicals on Paper 7		50[25+25]	3	100 hrs.
10	Project Work		50[Ext.]	3	100 hrs.
<b>Part III</b>					
11	Programming in Visual Basic	75		3	75
12	Programming in Java	75		3	75
13	Practicals on Paper 11		50[25+25]	3	100 hrs.
14	Practicals on Paper 12		50[25+25]	3	100 hrs.
15	Project Work		50[Ext.]	3	100 hrs.

RANCHI UNIVERSITY CENTRE FOR VOCATIONAL COURSES



THREE YEARS COURSE OF  
INFORMATION TECHNOLOGY FOR  
CERTIFICATE/DIPLOMA & ADVANCE DIPLOMA

Paper	Description	Marks		Examination Hours	No. of Lecture hours
		Theory	Practical		
<b>Part I</b>					
1	Computer Fundamentals & Operating System	75		3	75
2	Programming using C++	75		3	75
3	Practicals on Paper 1		50[25+25]	3	100 hrs.
4	Practicals on Paper 2		50[25+25]	3	100 hrs.
5	Project Work		50[Ext.]	3	
<b>Part II</b>					
6	Data Communication & Network	75		3	
7	Data Base Management System	75		3	
8	Practicals on Paper 6		50[25+25]	3	100 hrs.
9	Practicals on Paper 7		50[25+25]	3	100 hrs.
10	Project Work		50[Ext.]	3	100 hrs.
<b>Part III</b>					
11	Software Engineering	75		3	
12	Server Administration & Web Designing	75		3	
13	Practicals on Paper 11		50[25+25]	3	100 hrs.
14	Practicals on Paper 12		50[25+25]	3	100 hrs.
15	Project Work		50[Ext.]	3	100 hrs.

Operating system concepts : Introduction to various categories of software, Operating system and its functions, introduction of operating system files, tasks, and user programs, types of file systems, file sharing and network file systems - FAT, FAT32, NTFS, operating system installation - BIOS, primary storage in DOS, UNIX, DOS, internal and External Storage, storage networking techniques, RAID and SAN storage.

Disk Operating System : Planning, installation of UNIX, PC, System UNIX, introduction to various file systems - FAT, CD, JFS, NFS, etc.

System Development Life Cycle (SDLC) : Computer based information system, Data Collection, Requirement, Expansion, Editing and checking, Finalizing, Distribution.

BOOKS RECOMMENDED :

Operating System - RA, Suro

Information Technology - RA, Yadav