

SIDO KANHU MURMU UNIVERSITY,
DUMKA



MINOR FROM DISCIPLINE
COMPUTER APPLICATION

PAPER:

- MN-1: FUNDAMENTALS OF COMPUTER
- MN-2: ARTIFICIAL INTELLIGENCE
- MN-3: COMPUTER NETWORK
- MN-4: MACHINE LEARNIN

Signature 3/4/22 02/02/22

DEPARTMENT OF COMPUTER APPLICATION, S.K.M.U, DUMKA, JHARKHAND

B.A/B.SC/B.COM-FIRST SEMESTER

PAPER CODE: CA-MIN-01

PAPER NAME: FUNDAMENTALS OF COMPUTER

FULL MARKS: 100 (External-75: Internal-25)

DURATION: 3 Hrs.

Course Credits	No. of Teaching Hours Per Week	Total No. of Teaching Hours
04	04 Hrs	60 Hrs

Course Objective: To provide a basic understanding of computer and functionalities. The course aim to teach students about basic computer, operating system, internet, file management and cyber security.

Course Outcomes: This fundamental course outcomes provide students with a solid foundation in computer science and Technology and prepare them for more advanced coursed in this field.

UNIT – I Introduction to Computers

Computer system: characteristics and capabilities. Hardware and Software: Block Diagram of a Computer, Data Processing: Data, Data Processing System, Storing Data, Processing Data Types, Purpose, Components, Generation of Computers, Different Number System and Conversion

Unit-II Introduction to MS-DOS & Windows

Fundamentals: Physical Structure of the Disk, Booting Process, Internal DOS Files & Directories, DOS Commands, Creating Batch Files. Microsoft Windows: Operating system-Definition & functions, components. Types of Operating System

UNIT – III File processing

Word processing, creating and formatting, editing, creating tables, graphics in documents, spreadsheets, formatting, formulas and functions, data charts, sorting and filtering, introduction to presentation, editing, slideshow, drawing, creating presentation.

UNIT – IV Use of Computers in Education and Research:

Data analysis, heterogeneous storage, e-Library, Google scholar, Domain specific packages such as SPSS, Mathematica etc.

UNIT –V E-Governance

Meaning, origin, importance, objective, Fundamental, Advantages, Disadvantages, Challenges of e-governance, Elements, Government to Citizens (G2C), Government to Business (G2B), Government to Government (G2G), Government to Employees (G2E)

Management Minor Syllabus As Per National Education Policy

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Recommended Books:

1. Computer Fundamentals, P. K. Sinha, BPB Publications, Sixth Edition.
2. Introduction to Information Technology, V. Rajaraman, PHI, Second Edition.
3. Fundamental of Information Technology, Chetan Shrivastava, Kalyani Publishers.

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