

ASSIGNMENT

Subject: Basic Computer Engineering (BT-205)

All students are hereby instructed to submit a printed report on the topic given against their name. The topic should be covered in minimum of 15 pages while the maximum limit is of 20 pages. The page size will be A4 with a margin as under:

Left margin : 1.5 inch
Right margin : 1.5 inch
Top margin : 1.5 inch
Bottom margin : 1.5 inch

The font size should be 12 and the permitted fonts are Calibri and Cambria on content pages. The text must be in regular font while the headings must be in Bold letters. Line spacing should not be more than 1.5.

The template for cover page and self declaration certificate is given at the end. Table of Contents will be at third page and then content will start. The page number should be on every page of contents (after table of contents) at the bottom middle. There will no page numbering on cover page, self declaration and table of contents.

The report file will be enclosed in transparent cover from front and rear cover must be dark blue/brown. All the pages with cover must be stapled with a black tape over left side.

The last date to submit the file is 31 May 2024 after which the report will not be accepted in any case.

S. No.	Enrollment No.	Name of Student	Topic
1	0902CS231001	Abdul Wahid	Overview of Computers
2	0902CS231002	Abhinandan Yadav	Evolution of Computing Technology
3	0902CS231003	Abhishek Rathor	Components of a Computer System
4	0902CS231004	Adarsh Kumar Pachahara	Introduction to CPU Architecture
5	0902CS231005	Adhyyan Gupta	Understanding Registers in CPU
6	0902CS231006	Aditya Raj	Overview of Bus Architecture
7	0902CS231007	Akshit Chaudhary	Functions of System Bus
8	0902CS231008	Aman Dangi	Importance of Instruction Set Architecture
9	0902CS231009	Aman Patel	Introduction to Memory Systems
10	0902CS231010	Aman Singh	Types of Computer Memory
11	0902CS231011	Aman Singh Yadav	Understanding Storage Systems
12	0902CS231012	Amisha Goswami	Role of Input/Output Devices
13	0902CS231013	Amit Prajapati	Overview of System Software
14	0902CS231014	Anamay Sitoke	Application Software and Its Types
15	0902CS231015	Anand Kumar Saraswat	Computer Applications in eBusiness
16	0902CS231016	Aniket Pal	Role of Computers in Bioinformatics
17	0902CS231017	Anil Manjhi	Computer Applications in Healthcare
18	0902CS231018	Anirudh Pratap Singh	Applications of Computers in Remote Sensing
19	0902CS231019	Ankit Bhadoriya	GIS (Geographic Information Systems) Applications
20	0902CS231020	Aradhana Singh	Utilizing Computers in Meteorology
21	0902CS231021	Arjun Gupta	Climatology and Computer Modeling
22	0902CS231022	Arpita Prajapati	Introduction to Computer Gaming
23	0902CS231023	Arti Verma	Multimedia Applications
24	0902CS231024	Arun Barar	Understanding Animation in Computers
25	0902CS231025	Aryan Dagar	Basics of Operating Systems
26	0902CS231026	Aryan Kushwah	Functions of Operating Systems
27	0902CS231027	Aryan Singh	Types of Operating Systems
28	0902CS231028	Aryan Singh Chandel	File Management in Operating Systems
29	0902CS231029	Astha Rajak	Process Management in OS

30	0902CS231030	Astitva Mishra	Memory Management in OS
31	0902CS231031	Astitva Tiwari	Introduction to MS Word
32	0902CS231033	Ayush Kumar	MS PowerPoint Essentials
33	0902CS231034	Bheekam Baghel	Basics of MS Excel
34	0902CS231035	Bhoomi Sharma	Algorithms and Flowcharts
35	0902CS231036	David Ghoshal	Understanding Algorithm Complexity
36	0902CS231037	Dharmendra Singh	Introduction to Programming Concepts
37	0902CS231038	Dron Patel	Overview of Programming Languages
38	0902CS231039	Durgesh Kumar Singh	Program Design Principles
39	0902CS231040	Hardik Tripathi	Programming Paradigms
40	0902CS231041	Hariom	Concepts of Object-Oriented Programming (OOP)
41	0902CS231042	Harsh Yadav	Procedure-Oriented Programming vs. OOP
42	0902CS231043	Harshit Pal	Introduction to C++ Programming
43	0902CS231044	Himanshu Singh	Character Set in C++
44	0902CS231045	Kanika Dashoni	Tokens in C++
45	0902CS231046	Kartik Jat	Precedence and Associativity in C++
46	0902CS231047	Kashish Sharma	Program Structure in C++
47	0902CS231048	Kavya Rai	Data Types in C++
48	0902CS231049	Khushee	Variables in C++
49	0902CS231050	Khushi Yadav	Operators in C++
50	0902CS231051	Kishan Kumar	Expressions and Statements in C++
51	0902CS231052	Krittika Singh	Control Structures in C++
52	0902CS231053	Kumari Khushbu	Input/Output Operations in C++
53	0902CS231054	Kunal Yadav	Arrays in C++
54	0902CS231055	Lovely Rawat	Functions in C++
55	0902CS231056	Malihah Rahaman	Objects and Classes in C++
56	0902CS231057	Mayank Pandey	Scope Resolution Operator in C++
57	0902CS231058	Md Rahen	Constructors and Destructors in C++
58	0902CS231059	Mihir	Friend Functions in C++
59	0902CS231060	Nainisha Bhairam	Inheritance in C++
60	0902CS231061	Neeraj Verma	Polymorphism in C++
61	0902CS231062	Nikhil B	Function and Operator Overloading
62	0902CS231063	Nimish Chaturvedi	Types of Inheritance in C++
63	0902CS231064	Nishant Kumar	Virtual Functions in C++
64	0902CS231065	Ojeswi Yadav	Introduction to Data Structures
65	0902CS231066	Paaras Mishra	Basics of Computer Networking
66	0902CS231067	Pankaj Kumar	Goals of Computer Networking
67	0902CS231068	Payal Chauhan	Understanding the ISO-OSI Model
68	0902CS231069	Piyush Sharma	Functions of OSI Model Layers
69	0902CS231070	Prakhar Dwivedi	Internetworking Concepts
70	0902CS231071	Pramod Batham	Networking Devices and Their Roles
71	0902CS231072	Pranav Sharma	Introduction to TCP/IP Model
72	0902CS231073	Premvir Singh Chaudhary	Basics of the Internet
73	0902CS231074	Priya Sharma	World Wide Web Essentials
74	0902CS231075	Priyanka	Introduction to E-commerce
75	0902CS231076	Priyanshi Bankawat	Fundamentals of Computer Security
76	0902CS231077	Raghav Singh Sengar	Common Types of Malware

77	0902CS231078	Raj Majhi	Different Types of Cyber Attacks
78	0902CS231080	Richa Jadon	Introduction to Computer Ethics
79	0902CS231081	Rishav Singh Bhadauria	Good Practices for Computer Security
80	0902CS231082	Ritesh Mohammad	Cyber Laws and Internet Fraud
81	0902CS231083	Ritik Bagekar	Understanding Database Management Systems (DBMS)
82	0902CS231084	Riya Joshi	File-Oriented Approach vs. Database Approach
83	0902CS231085	Ronit Shrivastava	Data Models in DBMS
84	0902CS231086	Sachin Kumar	Architecture of Database Systems
85	0902CS231087	Sahid Sheikh Masudi	Data Independence in DBMS
86	0902CS231088	Saksham Chaturvedi	Role of Data Dictionary
87	0902CS231089	Saksham Jeswani	Database Administrator (DBA) Responsibilities
88	0902CS231090	Saksham Singh Rathod	Primary Key in Database Design
89	0902CS231091	Sakshi Bhadoriya	Data Definition Language (DDL)
90	0902CS231092	Saloni Singh Gour	Manipulation Languages in DBMS
91	0902CS231093	Sandeep Rajoriya	Basics of Cloud Computing
92	0902CS231094	Sangam Kumar	Cloud Infrastructure Overview
93	0902CS231095	Sanjana	Cloud Service Delivery Models (IaaS, PaaS, SaaS)
94	0902CS231096	Sanjana Jha	Cloud Deployment Models (Public, Private, Community, Hybrid)
95	0902CS231097	Sanjeev Kumar	Pros and Cons of Cloud Computing
96	0902CS231098	Sarthak Singh Sikarwar	Cloud Security Measures
97	0902CS231099	Satendra Baghel	Data Privacy in Cloud Computing
98	0902CS231100	Satyan Singh	Scalability and Flexibility in Cloud Deployment
99	0902CS231101	Saurabh Doval	Cloud Computing for Businesses
100	0902CS231102	Saurabh Kumar	Cloud Computing in Education
101	0902CS231103	Savinav Sharma	Cloud Computing Trends
102	0902CS231104	Shalu Sinha	Big Data and Cloud Computing Integration
103	0902CS231105	Shani Bharadwaj	Cloud Computing for Startups
104	0902CS231106	Shikhar Pandey	Cloud Migration Strategies
105	0902CS231107	Shivam Sharma	Hybrid Cloud Implementation
106	0902CS231108	Shreya Gautam	Cloud Computing Cost Analysis
107	0902CS231109	Shubham Kumar Gupta	Cloud Computing and Internet of Things (IoT)
108	0902CS231110	Shyamendra Singh Bhadouriya	Cloud Computing for Mobile Applications
109	0902CS231111	Siddharth Panday	Cloud Computing in Healthcare
110	0902CS231112	Siddharth Singh Chauhan	Cloud Computing for Government Services
111	0902CS231113	Sneha Chauhan	Cloud Computing in Finance Industry
112	0902CS231114	Somika	Cloud Computing for Research Organizations
113	0902CS231115	Somya Rajpoot	Cloud Computing and Disaster Recovery
114	0902CS231116	Sourav Pal	Cloud Computing Compliance and Regulations
115	0902CS231117	Srashti Jain	Cloud Computing Best Practices
116	0902CS231118	Sudhanshu Kushwah	Cloud Computing Case Studies
117	0902CS231119	Sumant Baghel	Cloud Computing Security Challenges
118	0902CS231120	Sumesh Kumar Singh	Cloud Computing and Digital Transformation
119	0902CS231121	Suryansh Bajpai	Cloud Computing and Artificial Intelligence
120	0902CS231122	Sushant Kumar Raj	Cloud Computing and Machine Learning
121	0902CS231123	Tanya Dubey	Cloud Computing and DevOps

122	0902CS231124	Tripika Nama	Cloud Computing and Microservices Architecture
123	0902CS231125	Ujjawal Gupta	Cloud Computing and Blockchain Technology
124	0902CS231126	Unnati Yogi	Cloud Computing for Content Delivery
125	0902CS231127	Varun Bhawnani	Cloud Computing for Gaming Industry
126	0902CS231128	Varun Jain	Cloud Computing for Media and Entertainment
127	0902CS231129	Vedant Umesh Selokar	Cloud Computing for E-commerce Platforms
128	0902CS231130	Vibhor Sharma	Cloud Computing for Social Networking Sites
129	0902CS231131	Vikash Shakya	Cloud Computing and Collaborative Tools
130	0902CS231132	Vinay Gupta	Cloud Computing for Disaster Management
131	0902CS231133	Vishnu Kant Pandey	Cloud Computing and Environmental Sustainability
132	0902CS231134	Vivek Bhardwaj	Cloud Computing and Data Analytics
133	0902CS231135	Yash Sahu	Cloud Computing and Cybersecurity
134	0902CS231136	Yashraj Prajapati	Cloud Computing and Regulatory Compliance
135	0902CS231137	Yogesh Patel	Cloud Computing and Business Continuity Planning
136	0902CS231138	Yuvraj Pal	Cloud Computing for Small and Medium Enterprises (SMEs)

RUSTAMJI INSTITUTE OF TECHNOLOGY

BSF ACADEMY, TEKANPUR

Report File on the Topic

Topic Name

Subject: Basic Computer Engineering (BT205)



Submitted by

Name of Student (Enrolment No.)

B.Tech. Computer Science & Engineering First Year (Second Semester)
(2023-2027 batch)

Subject Teacher
Dr. Jagdish Makhijani

File Checked by
Mr. Sumit Rajak



Self-Declaration Certificate

I, **[Student's Name]**, hereby declare that I have completed the report file work of BT205 (Basic Computer Engineering) on the topic at my own effort and understanding.

I affirm that the work submitted is my own, and I take full responsibility for its authenticity and originality.

Date:

[Student's Signature]

[Student's Name]

[Enrolment No.]