

Course File
Object Oriented Programming

(Course Code- C2204)

(Electronics And Telecommunication Engg) SE DIV I - Sem II

Course Incharge

Kanchan Mahajan

Ass Prof

2022-23



**Bharati Vidyapeeth's College of Engineering for Women,
Katraj, Dhankawadi, Pune**

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Units(Syllabus Report)

Sr. No.	Units
1	Unit 1: Foundations of Object Oriented Programming
1.1	Introduction to procedural, modular, object-oriented and generic programming techniques,
1.2	Limitations of procedural programming, Need of object-oriented programming
1.3	fundamentals of object-oriented programming: objects, classes, data members, methods, messages, data encapsulation
1.4	fundamentals of object-oriented programming: data abstraction and information hiding, inheritance, polymorphism. Inline functions,
1.5	Function overloading, call by value and call by reference, return by reference,
1.6	e, functions with default arguments, this pointer, illustrative Simple C Programs.
1.7	s. Dynamic initialization of variables, memory management operators, Member dereferencing operators
1.8	operator precedence, typecast operators, Scope resolution operators, arrays
2	Unit 2: Classes & Objects
2.1	Defining class, Defining member functions
2.2	static data members, static member functions
2.3	private data members, public member functions
2.4	, arrays of objects, objects as function arguments
2.5	Constructors : types of constructors, handling of multiple constructors,
2.6	destructors ,simple programs related to constructors and destructors
3	Unit 3 : Operator Overloading
3.1	Fundamentals of Operator Overloading
3.2	Restrictions on Operators Overloading
3.3	Operator Functions as Class Members vs. as Friend Functions
3.4	Overloading Unary Operators
3.5	Overloading Binary Operators
3.6	Overloading of operators using friend functions
4	Unit 4 : Inheritance & Polymorphism
4.1	Introduction to inheritance, base and derived classes
4.2	friend classes, types of inheritance, hybrid inheritance
4.3	member access control, static class, multiple inheritance,
4.4	ambiguity, virtual base class, Introduction to polymorphism, pointers to objects,

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Units(Syllabus Report)

Sr. No.	Units
4.5	virtual functions, pure virtual functions, abstract base class, Polymorphic class, virtual destructors
4.6	early and late binding, container classes, Contained classes, Singleton class
5	Unit 5 :Templates, Namespaces and Exception handling
5.1	Templates: Introduction, Function template and class template,
5.2	function overloading vs. function templates
5.3	Namespaces: Introduction, Rules of namespaces
5.4	Exception handling: Introduction, basics of exception handling, exception handling mechanism
5.5	throwing and catching mechanism, specifying exceptions, Multiple Exceptions
5.6	Exceptions with arguments C streams, stream classes, unformatted I/O, formatted I/O and I/O manipulators
6	Unit 6 : Working with files
6.1	Introduction, classes for file Stream Operations
6.2	opening and closing files
6.3	detecting End_Of_File (EOF)
6.4	modes f File Opening
6.5	file pointers and manipulators, updating file
6.6	error handling during file operations
7	Revision

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Course Outcome

Sr. No.	CO ID	Course Outcome
1	C2204.1	Describe the principles of object oriented programming
2	C2204.2	Apply the concepts of data encapsulation, inheritance in C++.
3	C2204.3	Understand Operator overloading and friend functions in C++.
4	C2204.4	Apply the concepts of classes, methods inheritance and polymorphism to write programs C++.
5	C2204.5	Apply Templates, Namespaces and Exception Handling concepts to write programs in C++.
6	C2204.6	Describe and use of File handling in C++.

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Course Outcome,PO Mapping

	PO1	PO2	PO3	PO4	PO5	PO6	PO8	PO7	PO9	PO10	PO11	PO12	PSO13	PSO14	PSO15	PSO16
C2204.1			3		3							2				
C2204.2	2	2	2		3											
C2204.3	2	2	3	2	3				2			1				
C2204.4	2	2	3	2	3				2			1				
C2204.5	2	2	2	2	3				2			1				
C2204.6	2	2	2	2	3				2			1				
Avg	2.00	2.00	2.50	2.00	3.00	0.00	0.00	0.00	2.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00

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Course Outcome,PO Mapping justification

Sr. No.	Course Outcome	Program Outcome	Level	Justification
1	Describe the principles of object oriented programming	PO3	3	<p>Solution to real world software problems can be implemented through concepts of fundamentals of OOP</p> <p>Solution to real world software problems can be implemented through concepts of fundamentals of OOP</p> <p>Concepts of Object oriented language is applicable to large variety of programming languages</p>
		PO5	3	
		PO12	2	

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Course Outcome, PO Mapping justification

Sr. No.	Course Outcome	Program Outcome	Level	Justification
2	Apply the concepts of data encapsulation, inheritance in C++.	PO1 PO2 PO3 PO5	2 2 2 3	<p>Every Program is based on knowledge of mathematics, science and engineering fundamentals for implementation of features of OOP</p> <p>Designing and development of OOP features of C++ for analysis of complex engineering problem.</p> <p>Selection of proper OOP feature to implement solution of a given problem statement.</p> <p>Modern tools like Turbo C, Codeblocks, GCC are used for development of programs.</p>

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Course Outcome, PO Mapping justification

Sr. No.	Course Outcome	Program Outcome	Level	Justification
3	Understand Operator overloading and friend functions in C++.	PO1	2	<p>Every Program is based on knowledge of mathematics, science and engineering fundamentals</p> <p>Design and debug the program to be carried out to obtain the specified solution with appropriate considerations</p> <p>Selection of proper classes and operators are done based on given problem statement for formulating and analyzing CEP.</p> <p>Selection of proper data operators and algorithm is done based on given problem statement for formulating and analyzing CEP</p> <p>Modern tools like turbo DevC , Microsoft are used for development of programs</p> <p>Development of algorithm using proper classes may be divided into team and after the completion of entire code it could be integrated for the required final output</p>
		PO2	2	
		PO3	3	
		PO4	2	
		PO5	3	
		PO9	2	
		PO12	1	

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Course Outcome,PO Mapping justification

Sr. No.	Course Outcome	Program Outcome	Level	Justification
				Integration and implementation of modular programs using proper algorithm and class will be useful throughout the life

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Course Outcome, PO Mapping justification

Sr. No.	Course Outcome	Program Outcome	Level	Justification
4	Apply the concepts of classes, methods inheritance and polymorphism to write programs C++.	PO1 PO2 PO3 PO4 PO5 PO9 PO12	2 2 3 2 3 2 1	<p>Knowledge of mathematics, science and engineering fundamentals is essential for development of various applications using OOP</p> <p>Design and debug the program using proper selection of feature of OOP is to be carried out to obtain the specified solution with appropriate considerations.</p> <p>Selection of proper feature is done based on given problem statement for formulating and analysing CEP.</p> <p>Selection and Implementation of proper feature is important for a given problem statement for formulating and analysing CEP</p> <p>Modern tools like Code blocks, GCC are used for development of programs.</p> <p>Development of an applications may be divided into teams and after the completion of entire code it could be integrated for the required final output.</p>

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Course Outcome,PO Mapping justification

Sr. No.	Course Outcome	Program Outcome	Level	Justification
				Integration and implementation of appropriate OOP features into an applications will be useful throughout the life.

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Course Outcome,PO Mapping justification

Sr. No.	Course Outcome	Program Outcome	Level	Justification
5	Apply Templates, Namespaces and Exception Handling concepts to write programs in C++.	PO1	2	<p>Knowledge of mathematics, science and engineering fundamentals is essential for development of various applications using OOP</p> <p>problem analysis can be done easily with the help of OOP</p> <p>Selection of proper entities are done based on given problem statement</p> <p>Selection and Implementation of proper feature is important for a given problem statement for formulating and analysing CEP</p> <p>Modern tools like turbo DevC , Microsoft are used for development of programs</p> <p>Software development can be done in team work</p> <p>Integration and implementation of appropriate OOP features into an applications will be useful throughout the life.</p>
		PO2	2	
		PO3	2	
		PO4	2	
		PO5	3	
		PO9	2	
		PO12	1	

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Course Outcome,PO Mapping justification

Sr. No.	Course Outcome	Program Outcome	Level	Justification
6	Describe and use of File handling in C++.	PO1	2	<p>Every Program is based on knowledge of mathematics, science and engineering fundamentals</p> <p>Design and debug the program to be carried out to obtain the specified solution with appropriate considerations</p> <p>Selection of proper entities are done based on given problem statement</p> <p>Selection and Implementation of proper feature is important for a given problem statement for formulating and analysing CEP</p> <p>Modern tools like turbo DevC , Microsoft are used for development of programs</p> <p>Software development can be done in team work</p> <p>Integration and implementation of appropriate OOP features into an applications will be useful throughout the life.</p>
		PO2	2	
		PO3	2	
		PO4	2	
		PO5	3	
		PO9	2	
		PO12	1	

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Course objective

Sr. No.	CO ID	Course Objective
1	1	Make the students familiar with basic concepts and techniques of object oriented programming in C++
2	2	Develop an ability to write programs in C++ for problem solving.

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Student List

Sr. No.	First Name	Last Name	Email	Mobile	Admission No
1	Kanan	Agrawal	Kananagrawal0701@gmail.com	9119486558	
2	Priyanka	Ambekar	Priyankaambekar7522@gmail.com	7522949851	
3	Rutuja	Apte	Rutujaapte4790@gmail.com	8830516158	
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6	Riddhi	Baldwa	Ridbaldwa@gmail.com	8956310789	
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9	Aishwarya	Barabde	Aishwaryabarabde@gmail.com	7522912164	
10	Shraddha	Batwal	Shraddharbatwal24@gmail.com	8767088707	
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15	Shrushti	Bhutkar	Srushtibhutkar2812004@gmail.com	8329547305	
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17	Anushka	Borale	Anushkaborale07@gmail.com	9881233742	
18	Snehal	Borkar	Borkarsnehal384@gmail.com	9665008403	
19	Shruti	Chaudhari	Shrutichaudhari515@gmail.com	8446286591	

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Student List

Sr. No.	First Name	Last Name	Email	Mobile	Admission No
20	Pranali	Chavan	Pranalichavan.0191@gmail.com	8446241019	
21	Sneha	Chavan	Chavansneha601@gmail.com	9307952070	
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23	Sneha	Dalavi	Snehadalavi28@gmail.com	7887777599	
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25	Apurva	Dandgavhal	Apurvadandgavhal314@gmail.com	9322703411	
26	Gunjan	Deshmukh	Gunjandeshmukh038@gmail.com	9373142556	
27	Swara	Deshpande	Swaradh273@gmail.com	9527856780	
28	Shreya	Devsale	Devsaleshreya022@gmail.com	9422150503	
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37	Pushpa	Ghate	Pushpaghate369@gmail.com	8080586361	
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39	Akshata	Ghughe	Akshataghughe904@gmail.com	8928162407	

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Student List

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40	Manjiri	Gite	Manjugite1002@gmail.com	7666954543	
41	Tanishka	Gite	Gitetanu777@gmail.com	7517427472	
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43	Ruchika	Gosavi	Ruchikagosavi0101@gmail.com	7666294629	
44	Muskan	Gujar	Muskangujar220104@gmail.com	8779730981	
45	Pratiksha	Gund	Pratikshagund195@gmail.com	9579852142	
46	Sayali	Gurav	Syaligurav535@gmail.com	9307971265	
47	Sharvari	Inamdar	Sharvariinamdar12@gmail.com	7385067778	
48	Sakshi	Ingale	Sakshiingale3110@gmail.com	9096782521	
49	Vaishnavi	Ingale	Vaishuingale22@gmail.com	7387178923	
50	Sanika	Ingle	Sanikaingle2003@gmail.com	8605026861	
51	Jyoti	Jagtap	Jjagtap093@gmail.com	7248982003	
52	Rutuja	Jagtap	Rtujaj224@gmail.com	7666540105	
53	Sayali	Jagtap	Syalij635@gmail.com	9359972727	
54	Neha	Jamdade	Nehajamdade2903@gmail.com	9763549037	
55	Sakshi	Jamdar	Sakshijamdar99@gmail.com	9172831176	
56	Bhagyashri	Janwade	Bhagyashrijanwade8@gmail.com	8010272014	
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58	Disha	Kabra	223dishakabra@gmail.com	9309387743	
59	Sanika	Kadam	Sanikadam5087@gmail.com	7620106194	
60	Shweta	Kadam	Sk3837541@gmail.com	9607830474	

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Student List

Sr. No.	First Name	Last Name	Email	Mobile	Admission No
61	Siddhi	Kadus	Kadussiddhi4@gmail.com	7038333843	
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64	Vedanti	Kakade	Vedantikakade1@gmail.com	9112202555	
65	Neha	Kale	Nehakale28112003@gmail.com	7378692828	
66	Prachi	Kale	Kaleprachi891@gmail.com	9096753087	
67	Antara	Kamble	Kambleantra12004@gmail.com	7620119693	
68	Samruddhi	Kamble	Samruddhikambale2001@gmail.com	7888167118	
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74	Dhanshri	Koratkar	Dhanashrikoratkar99@gmail.com	7972129207	
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Proposed Planning

Lecture No.	Date	Time	Hrs	Minutes	Syllabus To Be Proposed	Course Outcome	Unit Outcome
1	13th February, 2023	09:00 AM - 10:00 AM	1.00	0	Introduction to procedural, modular, object-oriented and generic programming techniques,	C2204.1	UO1
2	16th February, 2023	12:15 PM-01:15 PM	1.00	0	Limitations of procedural programming, Need of object-oriented programming	C2204.1	UO1
3	20th February, 2023	09:00 AM - 10:00 AM	1.00	0	fundamentals of object-oriented programming: objects, classes, data members, methods, messages, data encapsulation	C2204.1	UO1
4	23rd February, 2023	09:00 AM - 10:00 AM	1.00	0	fundamentals of object-oriented programming: data abstraction and information hiding, inheritance, polymorphism. Inline functions,	C2204.1	UO1
5	23rd February, 2023	12:15 PM-01:15 PM	1.00	0	Function overloading, call by value and call by reference, return by reference,	C2204.1	UO1
6	24th February, 2023	10:00 AM - 11:00 AM	1.00	0	e, functions with default arguments, this pointer, illustrative Simple C Programs.	C2204.1	UO1
7	27th February, 2023	09:00 AM - 10:00 AM	1.00	0	s. Dynamic initialization of variables, memory management operators, Member dereferencing operators	C2204.1	UO1
8	01st March, 2023	09:00 AM - 10:00 AM	1.00	0	operator precedence, typecast operators, Scope resolution operators, arrays	C2204.1	UO1
9	02nd March, 2023	12:15 PM-01:15 PM	1.00	0	Defining class, Defining member functions	C2204.2	UO2

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10	03rd March, 2023	10:00 AM - 11:00 AM	1.00	0	static data members, static member functions	C2204.2	UO2
11	06th March, 2023	09:00 AM - 10:00 AM	1.00	0	private data members, public member functions	C2204.2	UO2
12	09th March, 2023	12:15 PM - 01:15 PM	1.00	0	, arrays of objects, objects as function arguments	C2204.2	UO2
13	10th March, 2023	10:00 AM - 11:00 AM	1.00	0	Constructors : types of constructors, handling of multiple constructors,	C2204.2	UO2
14	13th March, 2023	09:00 AM - 10:00 AM	1.00	0	destructors ,simple programs related to constructors and destructors	C2204.2	UO2
15	16th March, 2023	12:15 PM - 01:15 PM	1.00	0	Fundamentals of Operator Overloading	C2204.3	UO3
16	21st March, 2023	03:00 PM - 04:00 PM	1.00	0	Restrictions on Operators Overloading	C2204.3	UO3
17	23rd March, 2023	12:15 PM - 01:15 PM	1.00	0	Operator Functions as Class Members vs. as Friend Functions	C2204.3	UO3
18	24th March, 2023	10:00 AM - 11:00 AM	1.00	0	Overloading Unary Operators	C2204.3	UO3
19	25th March, 2023	09:00 AM - 10:00 AM	1.00	0	Overloading Binary Operators	C2204.3	UO3
20	27th March, 2023	09:00 AM - 10:00 AM	1.00	0	Overloading of operators using friend functions	C2204.3	UO3
21	28th March, 2023	10:00 AM - 11:00 AM	1.00	0	Introduction to inheritance, base and derived classes	C2204.4	UO4
22	13th April, 2023	12:15 PM - 01:15 PM	1.00	0	friend classes, types of inheritance, hybrid inheritance	C2204.4	UO4

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23	17th April, 2023	09:00 AM - 10:00 AM	1.00	0	member access control, static classes, multiple inheritance,	C2204.4	UO4
24	24th April, 2023	09:00 AM - 10:00 AM	1.00	0	ambiguity, virtual base class, Introduction to polymorphism, pointers to objects,	C2204.4	UO4
25	24th April, 2023	10:00 AM - 11:00 AM	1.00	0	virtual functions, pure virtual functions, abstract base class, Polymorphic class, virtual destructors	C2204.4	UO4
26	04th May, 2023	09:00 AM - 10:00 AM	1.00	0	early and late binding, container classes, Contained classes, Singleton class	C2204.4	UO4
27	04th May, 2023	12:15 PM- 01:15 PM	1.00	0	Templates: Introduction, Function template and class template,	C2204.5	UO5
28	08th May, 2023	09:00 AM - 10:00 AM	1.00	0	function overloading vs. function templates	C2204.5	UO5
29	08th May, 2023	10:00 AM - 11:00 AM	1.00	0	Namespaces: Introduction, Rules of namespaces	C2204.5	UO5
30	11th May, 2023	09:00 AM - 10:00 AM	1.00	0	Exception handling: Introduction, basics of exception handling, exception handling mechanism	C2204.5	UO5
31	11th May, 2023	10:00 AM - 11:00 AM	1.00	0	throwing and catching mechanism, specifying exceptions, Multiple Exceptions	C2204.5	UO5
32	11th May, 2023	11:15 AM- 12:15 PM	1.00	0	Exceptions with arguments Streams, stream classes, unformatted I/O, formatted I/O and I/O manipulators	C2204.5	UO5
33	11th May, 2023	12:15 PM- 01:15 PM	1.00	0	Introduction, classes for file Stream Operations	C2204.6	UO6

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Proposed Planning

Lecture No.	Date	Time	Hrs	Minutes	Syllabus To Be Proposed	Course Outcome	Unit Outcome
34	12th May, 2023	10:00 AM - 11:00 AM	1.00	0	opening and closing files	C2204.6	UO6
35	18th May, 2023	09:00 AM - 10:00 AM	1.00	0	detecting End_Of_File (EOF)	C2204.6	UO6
36	18th May, 2023	12:15 PM - 01:15 PM	1.00	0	modes f File Opening	C2204.6	UO6
37	19th May, 2023	10:00 AM - 11:00 AM	1.00	0	file pointers and manipulators, updating file	C2204.6	UO6
38	19th May, 2023	12:15 PM - 01:15 PM	1.00	0	error handling during file operations	C2204.6	UO6
39	22nd May, 2023	09:00 AM - 10:00 AM	1.00	0	Revision		

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Completion Report

Lecture No.	Proposed Date & Time	Completion Date & Time	Hrs	Syllabus To Be Covered	Actual Execution	Course Outcome	Unit Outcome	Teaching Methodology
1	13th February, 2023 09:00 AM - 10:00 AM	13th Feb, 2023 09:00 AM - 10:00 AM	1.00	Introduction to procedural, modular, object-oriented and generic programming techniques,	Introduction to procedural, modular, object-oriented and generic programming techniques,	C2204.1	UO1	Question and Answer, Class projects, Discussion
2	16th February, 2023 12:15 PM - 01:15 PM	16th Feb, 2023 12:15 PM - 01:15 PM	1.00	Limitations of procedural programming, Need of object-oriented programming	Limitations of procedural programming, Need of object-oriented programming	C2204.1	UO1	Question and Answer, Class projects, Discussion, Chalk Piece, Power point Presentation
3	20th February, 2023 09:00 AM - 10:00 AM	20th Feb, 2023 09:00 AM - 10:00 AM	1.00	fundamentals of object-oriented programming: objects, classes, data members, methods, messages, data encapsulation	fundamentals of object-oriented programming: objects, classes, data members, methods, messages, data encapsulation	C2204.1	UO1	Class projects, Question and Answer, Chalk Piece, Powerpoint Presentation, Drill and Practice

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Lecture No.	Proposed Date & Time	Completion Date & Time	Hrs	Syllabus To Be Covered	Actual Execution	Course Outcome	Unit Outcome	Teaching Methodology
4	23rd February, 2023 09:00 AM - 10:00 AM	23rd Feb, 2023 09:00 AM - 10:00 AM	1.00	fundamentals of object-oriented programming: data abstraction and information hiding, inheritance, polymorphism. Inline functions,	fundamentals of object-oriented programming: data abstraction and information hiding, inheritance, polymorphism. Inline functions,	C2204.1	UO1	Question and Answer, Discussion, Chalk Piece, Group Discussion
5	23rd February, 2023 12:15 PM - 01:15 PM	23rd Feb, 2023 12:15 PM - 01:15 PM	1.00	Function overloading, call by value and call by reference, return by reference,	Function overloading, call by value and call by reference, return by reference,	C2204.1	UO1	Lecturing, Chalk Piece, Powerpoint Presentation, Predict-Observe-Explain
6	24th February, 2023 10:00 AM - 11:00 AM	24th Feb, 2023 10:00 AM - 11:00 AM	1.00	Functions with default arguments, this pointer, illustrative Simple C Programs.	Functions with default arguments, this pointer, illustrative Simple C Programs.	C2204.1	UO1	Question and Answer, Lecturing, Discussion, Chalk Piece, Predict-Observe-Explain

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Lecture No.	Proposed Date & Time	Completion Date & Time	Hrs	Syllabus To Be Covered	Actual Execution	Course Outcome	Unit Outcome	Teaching Methodology
7	27th February, 2023 09:00 AM - 10:00 AM	27th Feb, 2023 09:00 AM - 10:00 AM	1.00	s. Dynamic initialization of variables, memory management operators, Member dereferencing operators	s. Dynamic initialization of variables, memory management operators, Member dereferencing operators	C2204.1	UO1	Question and Answer, Class projects, Discussion, Lecturing
8	01st March, 2023 09:00 AM - 10:00 AM	01st Mar, 2023 09:00 AM - 10:00 AM	1.00	operator precedence, typecast operators, Scope resolution operators, arrays	operator precedence, typecast operators, Scope resolution operators, arrays	C2204.1	UO1	Question and Answer, Think-Pair-Share, Chalk Piece, Powerpoint Presentation, Discussion
9	02nd March, 2023 12:15 PM - 01:15 PM	02nd Mar, 2023 12:15 PM - 01:15 PM	1.00	Defining class, Defining member functions	Defining class, Defining member functions	C2204.2	UO2	Powerpoint Presentation, Question and Answer, Discussion, Lecturing
10	03rd March, 2023 10:00 AM - 11:00 AM	06th Mar, 2023 10:00 AM - 11:00 AM	1.00	static data members, static member functions	static data members, static member functions	C2204.2	UO2	Chalk Piece, Powerpoint Presentation
11	06th March, 2023 09:00 AM - 10:00 AM	06th Mar, 2023 09:00 AM - 10:00 AM	1.00	private data members, public member functions	private data members, public member functions	C2204.2	UO2	Powerpoint Presentation, Chalk Piece, Discussion, Question and Answer, Mental Modeling

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Lecture No.	Proposed Date & Time	Completion Date & Time	Hrs	Syllabus To Be Covered	Actual Execution	Course Outcome	Unit Outcome	Teaching Methodology
12	09th March, 2023 12:15 PM - 01:15 PM	09th Mar, 2023 12:15 PM - 01:15 PM	1.00	, arrays of objects, objects as function arguments	, arrays of objects, objects as function arguments	C2204.2	UO2	Question and Answer, Chalk Piece, Powerpoint Presentation
13	10th March, 2023 10:00 AM - 11:00 AM	10th Mar, 2023 10:00 AM - 11:00 AM	1.00	Constructors : types of constructors, handling of multiple constructors,	Constructors : types of constructors, handling of multiple constructors,	C2204.2	UO2	Powerpoint Presentation, Chalk Piece, Question and Answer
14	13th March, 2023 09:00 AM - 10:00 AM	13th Mar, 2023 09:00 AM - 10:00 AM	1.00	destructors ,simple programs related to constructors and destructors	destructors ,simple programs related to constructors and destructors	C2204.2	UO2	Question and Answer, Chalk Piece, Powerpoint Presentation, Discussion
15	16th March, 2023 12:15 PM - 01:15 PM	16th Mar, 2023 12:15 PM - 01:15 PM	1.00	Fundamentals of Operator Overloading	Fundamentals of Operator Overloading	C2204.3	UO3	Chalk Piece, Powerpoint Presentation, Question and Answer, Discussion, Student Seminar
16	21st March, 2023 03:00 PM - 04:00 PM	21st Mar, 2023 03:00 PM - 04:00 PM	1.00	Restrictions on Operators Overloading	Restrictions on Operators Overloading	C2204.3	UO3	Question and Answer, Discussion, Chalk Piece
17	23rd March, 2023 12:15 PM - 01:15 PM	23rd Mar, 2023 12:15 PM - 01:15 PM	1.00	Operator Functions as Class Members vs. as Friend Functions	Operator Functions as Class Members vs. as Friend Functions	C2204.3	UO3	Question and Answer, Discussion, Chalk Piece, Lecturing, Case Studies

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Lecture No.	Proposed Date & Time	Completion Date & Time	Hrs	Syllabus To Be Covered	Actual Execution	Course Outcome	Unit Outcome	Teaching Methodology
18	24th March, 2023 10:00 AM - 11:00 AM	24th Mar, 2023 10:00 AM - 11:00 AM	1.00	Overloading Unary Operators	Overloading Unary Operators	C2204.3	UO3	Discussion, Question and Answer, Lecturing
19	25th March, 2023 09:00 AM - 10:00 AM	25th Mar, 2023 09:00 AM - 10:00 AM	1.00	Overloading Binary Operators	Overloading Binary Operators	C2204.3	UO3	Question and Answer, Powerpoint Presentation, Chalk Piece, Group Discussion, Discussion
20	27th March, 2023 09:00 AM - 10:00 AM	27th Mar, 2023 09:00 AM - 10:00 AM	1.00	Overloading of operators using friend functions	Overloading of operators using friend functions	C2204.3	UO3	Question and Answer, Chalk Piece, Lecturing, Powerpoint Presentation
21	28th March, 2023 10:00 AM - 11:00 AM	28th Mar, 2023 10:00 AM - 11:00 AM	1.00	Introduction to inheritance, base and derived classes	Introduction to inheritance, base and derived classes	C2204.4	UO4	Question and Answer, Chalk Piece, Quiz, Powerpoint Presentation
22	13th April, 2023 12:15 PM - 01:15 PM	13th Apr, 2023 12:15 PM - 01:15 PM	1.00	friend classes, types of inheritance, hybrid inheritance	friend classes, types of inheritance, hybrid inheritance	C2204.4	UO4	Think-Pair-Share, Powerpoint Presentation, Case Studies, Lecturing, Question and Answer
23	17th April, 2023 09:00 AM - 10:00 AM	17th Apr, 2023 09:00 AM - 10:00 AM	1.00	member access control, static classes, multiple inheritance,	member access control, static classes, multiple inheritance,	C2204.4	UO4	Question and Answer, Lecturing, Discussion, Chalk Piece, Powerpoint Presentation

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Lecture No.	Proposed Date & Time	Completion Date & Time	Hrs	Syllabus To Be Covered	Actual Execution	Course Outcome	Unit Outcome	Teaching Methodology
24	24th April, 2023 09:00 AM - 10:00 AM	24th Apr, 2023 09:00 AM - 10:00 AM	1.00	ambiguity, virtual base classes, Introduction to polymorphism, pointers to objects,	ambiguity, virtual base class, Introduction to polymorphism, pointers to objects,	C2204.4	UO4	Question and Answer, Lecturing, Chalk Piece, Power point Presentation
25	24th April, 2023 10:00 AM - 11:00 AM	24th Apr, 2023 10:00 AM - 11:00 AM	1.00	virtual functions, pure virtual functions, abstract base class, Polymorphic class, virtual destructors	virtual functions, pure virtual functions, abstract base class, Polymorphic class, virtual destructors	C2204.4	UO4	Powerpoint Presentation, Question and Answer, Lecturing, Case Studies, Discussion, Chalk Piece
26	04th May, 2023 09:00 AM - 10:00 AM	04th May, 2023 09:00 AM - 10:00 AM	1.00	early and late binding, container classes, Contained classes, Singleton class	early and late binding, container classes, Contained classes, Singleton class	C2204.4	UO4	Question and Answer, Mental Modeling, Chalk Piece, Powerpoint Presentation, Case Studies, Lecturing
27	04th May, 2023 12:15 PM - 01:15 PM	04th May, 2023 12:15 PM - 01:15 PM	1.00	Templates: Introduction, Function template and class template,	Templates: Introduction, Function template and class template,	C2204.5	UO5	Powerpoint Presentation, Question and Answer, Lecturing, Chalk Piece, Group Discussion

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Lecture No.	Proposed Date & Time	Completion Date & Time	Hrs	Syllabus To Be Covered	Actual Execution	Course Outcome	Unit Outcome	Teaching Methodology
28	08th May, 2023 09:00 AM - 10:00 AM	08th May, 2023 09:00 AM - 10:00 AM	1.00	function overloading vs. function templates	function overloading vs. function templates	C2204.5	UO5	Lecturing, Question and Answer, Discussion, Chalk Piece, Power point Presentation, Think aloud-Pair-Problem Solving
29	08th May, 2023 10:00 AM - 11:00 AM	08th May, 2023 10:00 AM - 11:00 AM	1.00	Namespaces: Introduction, Rules of namespaces	Namespaces: Introduction, Rules of namespaces	C2204.5	UO5	Quiz, Question and Answer, Discussion, Chalk Piece, Powerpoint Presentation
30	11th May, 2023 09:00 AM - 10:00 AM	11th May, 2023 09:00 AM - 10:00 AM	1.00	Exception handling: Introduction, basics of exception handling mechanism	Exception handling: Introduction, basics of exception handling mechanism	C2204.5	UO5	Powerpoint Presentation, Discussion, Quiz, Question and Answer, Chalk Piece
31	11th May, 2023 10:00 AM - 11:00 AM	11th May, 2023 10:00 AM - 11:00 AM	1.00	throwing and catching mechanism, specifying exceptions, Multiple Exceptions	throwing and catching mechanism, specifying exceptions, Multiple Exceptions	C2204.5	UO5	Question and Answer, Discussion, Chalk Piece, Power point Presentation, Lecturing, Quiz

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Lecture No.	Proposed Date & Time	Completion Date & Time	Hrs	Syllabus To Be Covered	Actual Execution	Course Outcome	Unit Outcome	Teaching Methodology
32	11th May, 2023 11:15 AM - 12:15 PM	11th May, 2023 11:15 AM - 12:15 PM	1.00	Exceptions with arguments Streams, stream classes, unformatted I/O, formatted I/O and I/O manipulators	Exceptions with arguments Streams, stream classes, unformatted I/O, formatted I/O and I/O manipulators	C2204.5	UO5	Question and Answer, Discussion, Chalk Piece, Group Discussion, Powerpoint Presentation
33	11th May, 2023 12:15 PM - 01:15 PM	11th May, 2023 12:15 PM - 01:15 PM	1.00	Introduction, classes for file Stream Operations	Introduction, classes for file Stream Operations	C2204.6	UO6	Question and Answer, Chalk Piece, Discussion, Powerpoint Presentation, Lecturing, Quiz
34	12th May, 2023 10:00 AM - 11:00 AM	12th May, 2023 10:00 AM - 11:00 AM	1.00	opening and closing files	opening and closing files	C2204.6	UO6	Question and Answer, Lecturing, Discussion, Chalk Piece, Powerpoint Presentation
35	18th May, 2023 09:00 AM - 10:00 AM	18th May, 2023 09:00 AM - 10:00 AM	1.00	detecting End_Of_File (EOF)	detecting End_Of_File (EOF)	C2204.6	UO6	Question and Answer, Chalk Piece, Powerpoint Presentation, Lecturing, Think-Pair-Share
36	18th May, 2023 12:15 PM - 01:15 PM	18th May, 2023 12:15 PM - 01:15 PM	1.00	modes f File Opening	modes f File Opening	C2204.6	UO6	Question and Answer, Discussion, Chalk Piece, Powerpoint Presentation, Lecturing

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Lecture No.	Proposed Date & Time	Completion Date & Time	Hrs	Syllabus To Be Covered	Actual Execution	Course Outcome	Unit Outcome	Teaching Methodology
37	19th May, 2023 10:00 AM - 11:00 AM	19th May, 2023 10:00 AM - 11:00 AM	1.00	file pointers and manipulators, updating file	file pointers and manipulators, updating file	C2204.6	UO6	Question and Answer, Discussion, Chalk Piece, Power point Presentation, Group Discussion, Quiz, Lecturing
38	19th May, 2023 12:15 PM - 01:15 PM	19th May, 2023 12:15 PM - 01:15 PM	1.00	error handling during file operations	error handling during file operations	C2204.6	UO6	Question and Answer, Discussion, Chalk Piece, Power point Presentation
39	22nd May, 2023 09:00 AM - 10:00 AM	22nd May, 2023 09:00 AM - 10:00 AM	1.00	Revision	Revision			Question and Answer, Chalk Piece

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Sr. No.	Unit	Course Outcome	Unit Outcome	Hrs	Minutes	Proposed Details	Completion Details	Attendance	Teaching Methodology
1	Unit 1: Foundations of Object Oriented Programming	C2204.1	UO1	1.00	0				
1.1	Introduction to procedural, modular, object-oriented and generic programming techniques,	C2204.1	UO1	1.00	0	13th February, 2023 09:00 AM to 10:00 AM	13th Feb, 2023 09:00 AM to 10:00 AM (Completed)	9 / 76	Question and Answer, Class projects, Discussion
1.2	Limitations of procedural programming, Need of object-oriented programming	C2204.1	UO1	1.00	0	16th February, 2023 12:15 PM to 01:15 PM	16th Feb, 2023 12:15 PM to 01:15 PM (Completed)	39 / 76	Question and Answer, Class projects, Discussion, Chalk Piece, Powerpoint Presentation

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Sr. No.	Unit	Course Outcome	Unit Outcome	Hrs	Minutes	Proposed Details	Completion Details	Attendance	Teaching Methodology
1.3	fundamentals of object-oriented programming: objects, classes, data members, methods, messages, data encapsulation	C2204.1	UO1	1.0	0	20th February, 2023 09:00 AM to 10:00 AM	20th Feb, 2023 09:00 AM to 10:00 AM (Completed)	41 / 76	Class projects, Question and Answer, Chalk Piece, Powerpoint Presentation, Drill and Practice
1.4	fundamentals of object-oriented programming: data abstraction and information hiding, inheritance, polymorphism. Inline functions,	C2204.1	UO1	1.0	0	23rd February, 2023 09:00 AM to 10:00 AM	23rd Feb, 2023 09:00 AM to 10:00 AM (Completed)	39 / 76	Question and Answer, Discussion, Chalk Piece, Group Discussion

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Sr. No.	Unit	Course Outcome	Unit Outcome	Hrs	Minutes	Proposed Details	Completion Details	Attendance	Teaching Methodology
1.5	Function overloading, call by value and call by reference, return by reference,	C2204.1	UO1	1.0	0	23rd February, 2023 12:15 PM to 01:15 PM	23rd Feb, 2023 12:15 PM to 01:15 PM (Completed)	41 / 76	Lecturing, Chalk Piece, Powerpoint Presentation, Predict-Observe-Explain
1.6	Functions with default arguments, this pointer, illustrative Simple C Programs.	C2204.1	UO1	1.0	0	24th February, 2023 10:00 AM to 11:00 AM	24th Feb, 2023 10:00 AM to 11:00 AM (Completed)	41 / 76	Question and Answer, Lecturing, Discussion, Chalk Piece, Predict-Observe-Explain
1.7	Dynamic initialization of variables, memory management operators, Member dereferencing operators	C2204.1	UO1	1.0	0	27th February, 2023 09:00 AM to 10:00 AM	27th Feb, 2023 09:00 AM to 10:00 AM (Completed)	36 / 76	Question and Answer, Class projects, Discussion, Lecturing

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Sr. No.	Unit	Course Outcome	Unit Outcome	Hrs	Minutes	Proposed Details	Completion Details	Attendance	Teaching Methodology
1.8	operator precedence, type cast operators, Scope resolution operators, arrays	C2204.1	UO1	1.0	0	01st March, 2023 09:00 AM to 10:00 AM	01st Mar, 2023 09:00 AM to 10:00 AM (Completed)	38 / 76	Question and Answer, Think-Pair-Share, Chalk Piece, Powerpoint Presentation, Discussion
2	Unit 2: Classes & Objects		UO2	1.0	0				
2.1	Defining class, Defining member functions	C2204.2	UO2	1.0	0	02nd March, 2023 12:15 PM to 01:15 PM	02nd Mar, 2023 12:15 PM to 01:15 PM (Completed)	41 / 76	Powerpoint Presentation, Question and Answer, Discussion, Lecturing
2.2	static data members, static member functions	C2204.2	UO2	1.0	0	03rd March, 2023 10:00 AM to 11:00 AM	06th Mar, 2023 10:00 AM to 11:00 AM (Completed)	49 / 76	Chalk Piece, Powerpoint Presentation
2.3	private data members, public member functions	C2204.2	UO2	1.0	0	06th March, 2023 09:00 AM to 10:00 AM	06th Mar, 2023 09:00 AM to 10:00 AM (Completed)	40 / 76	Powerpoint Presentation, Chalk Piece, Discussion, Question and Answer, Mental Modeling
2.4	, arrays of objects, objects as function arguments	C2204.2	UO2	1.0	0	09th March, 2023 12:15 PM to 01:15 PM	09th Mar, 2023 12:15 PM to 01:15 PM (Completed)	54 / 76	Question and Answer, Chalk Piece, Powerpoint Presentation

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Sr. No.	Unit	Course Outcome	Unit Outcome	Hrs	Minutes	Proposed Details	Completion Details	Attendance	Teaching Methodology
2.5	Constructors : types of constructors, handling of multiple constructors,	C2204.2	UO2	1.0	0	10th March, 2023 10:00 AM to 11:00 AM	10th Mar, 2023 10:00 AM to 11:00 AM (Completed)	55 / 76	Powerpoint Presentation, Chalk Piece, Question and Answer
2.6	destructors, simple programs related to constructors and destructors	C2204.2	UO2	1.0	0	13th March, 2023 09:00 AM to 10:00 AM	13th Mar, 2023 09:00 AM to 10:00 AM (Completed)	48 / 76	Question and Answer, Chalk Piece, Powerpoint Presentation, Discussion
3	Unit 3 : Operator Overloading		UO3	1.0	0				
3.1	Fundamentals of Operator Overloading	C2204.3	UO3	1.0	0	16th March, 2023 12:15 PM to 01:15 PM	16th Mar, 2023 12:15 PM to 01:15 PM (Completed)	35 / 76	Chalk Piece, Powerpoint Presentation, Question and Answer, Discussion, Student Seminar
3.2	Restrictions on Operator Overloading	C2204.3	UO3	1.0	0	21st March, 2023 03:00 PM to 04:00 PM	21st Mar, 2023 03:00 PM to 04:00 PM (Completed)	56 / 76	Question and Answer, Discussion, Chalk Piece

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Sr. No.	Unit	Course Outcome	Unit Outcome	Hrs	Minutes	Proposed Details	Completion Details	Attendance	Teaching Methodology
3.3	Operator Functions as Class Members vs. as Friend Functions	C2204.3	UO3	1.0	0	23rd March, 2023 12:15 PM to 01:15 PM	23rd Mar, 2023 12:15 PM to 01:15 PM (Completed)	54 / 76	Question and Answer, Discussion, Chalk Piece, Lecturing, Case Studies
3.4	Overloading Unary Operators	C2204.3	UO3	1.0	0	24th March, 2023 10:00 AM to 11:00 AM	24th Mar, 2023 10:00 AM to 11:00 AM (Completed)	45 / 76	Discussion, Question and Answer, Lecturing
3.5	Overloading Binary Operators	C2204.3	UO3	1.0	0	25th March, 2023 09:00 AM to 10:00 AM	25th Mar, 2023 09:00 AM to 10:00 AM (Completed)	40 / 76	Question and Answer, Powerpoint Presentation, Chalk Piece, Group Discussion, Discussion
3.6	Overloading of operators using friend functions	C2204.3	UO3	1.0	0	27th March, 2023 09:00 AM to 10:00 AM	27th Mar, 2023 09:00 AM to 10:00 AM (Completed)	55 / 76	Question and Answer, Chalk Piece, Lecturing, Powerpoint Presentation
4	Unit 4 : Inheritance & Polymorphism		UO4	1.0	0				
4.1	Introduction to inheritance, base and derived classes	C2204.4	UO4	1.0	0	28th March, 2023 10:00 AM to 11:00 AM	28th Mar, 2023 10:00 AM to 11:00 AM (Completed)	59 / 76	Question and Answer, Chalk Piece, Quiz, Powerpoint Presentation

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Sr. No.	Unit	Course Outcome	Unit Outcome	Hrs	Minutes	Proposed Details	Completion Details	Attendance	Teaching Methodology
4.2	friend classes, types of inheritance, hybrid inheritance	C2204.4	UO4	1.0	0	13th April, 2023 12:15 PM to 01:15 PM	13th Apr, 2023 12:15 PM to 01:15 PM (Completed)	34 / 76	Think-Pair-Share, Powerpoint Presentation, Case Studies, Lecturing, Question and Answer
4.3	member access control, static classes, multiple inheritance,	C2204.4	UO4	1.0	0	17th April, 2023 09:00 AM to 10:00 AM	17th Apr, 2023 09:00 AM to 10:00 AM (Completed)	35 / 76	Question and Answer, Lecturing, Discussion, Chalk Piece, Powerpoint Presentation
4.4	ambiguity, virtual base classes, Introduction to polymorphism, pointers to objects,	C2204.4	UO4	1.0	0	24th April, 2023 09:00 AM to 10:00 AM	24th Apr, 2023 09:00 AM to 10:00 AM (Completed)	51 / 76	Question and Answer, Lecturing, Chalk Piece, Powerpoint Presentation
4.5	virtual functions, pure virtual functions, abstract base class, Polymorphic class, virtual destructors	C2204.4	UO4	1.0	0	24th April, 2023 10:00 AM to 11:00 AM	24th Apr, 2023 10:00 AM to 11:00 AM (Completed)	51 / 76	Powerpoint Presentation, Question and Answer, Lecturing, Case Studies, Discussion, Chalk Piece

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Syllabus Completion Report

Sr. No.	Unit	Course Outcome	Unit Outcome	Hrs	Minutes	Proposed Details	Completion Details	Attendance	Teaching Methodology
4.6	early and late binding, container classes, Contained classes, Singleton class	C2204.4	UO4	1.0	0	04th May, 2023 09:00 AM to 10:00 AM	04th May, 2023 09:00 AM to 10:00 AM (Completed)	46 / 76	Question and Answer, Mental Modeling, Chalk Piece, Powerpoint Presentation, Case Studies, Lecturing
5	Unit 5 : Templates, Namespaces and Exception handling		UO5	1.0	0				
5.1	Templates: Introduction, Function template and class template,	C2204.5	UO5	1.0	0	04th May, 2023 12:15 PM to 01:15 PM	04th May, 2023 12:15 PM to 01:15 PM (Completed)	56 / 76	Powerpoint Presentation, Question and Answer, Lecturing, Chalk Piece, Group Discussion
5.2	function overloading vs. function templates	C2204.5	UO5	1.0	0	08th May, 2023 09:00 AM to 10:00 AM	08th May, 2023 09:00 AM to 10:00 AM (Completed)	52 / 76	Lecturing, Question and Answer, Discussion, Chalk Piece, Powerpoint Presentation, Think aloud-PAIR-Problem Solving

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Syllabus Completion Report

Sr. No.	Unit	Course Outcome	Unit Outcome	Hrs	Minutes	Proposed Details	Completion Details	Attendance	Teaching Methodology
5.3	Namespaces: Introduction, Rules of namespaces	C2204.5	UO5	1.0	0	08th May, 2023 10:00 AM to 11:00 AM	08th May, 2023 10:00 AM to 11:00 AM (Completed)	55 / 76	Quiz, Question and Answer, Discussion, Chalk Piece, Powerpoint Presentation
5.4	Exception handling: Introduction, basics of exception handling, exception handling mechanism	C2204.5	UO5	1.0	0	11th May, 2023 09:00 AM to 10:00 AM	11th May, 2023 09:00 AM to 10:00 AM (Completed)	47 / 76	Powerpoint Presentation, Discussion, Quiz, Question and Answer, Chalk Piece
5.5	throwing and catching mechanism, specifying exceptions, Multiple Exceptions	C2204.5	UO5	1.0	0	11th May, 2023 10:00 AM to 11:00 AM	11th May, 2023 10:00 AM to 11:00 AM (Completed)	53 / 76	Question and Answer, Discussion, Chalk Piece, Powerpoint Presentation, Lecturing, Quiz

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Syllabus Completion Report

Sr. No.	Unit	Course Outcome	Unit Outcome	Hrs	Minutes	Proposed Details	Completion Details	Attendance	Teaching Methodology
5.6	Exceptions with arguments Streams, stream classes, unformatted I/O, formatted I/O and I/O manipulators	C2204.5	UO5	1.0	0	11th May, 2023 11:15 AM to 12:15 PM	11th May, 2023 11:15 AM to 12:15 PM (Completed)	52 / 76	Question and Answer, Discussion, Chalk Piece, Group Discussion, Powerpoint Presentation
6	Unit 6 : Working with files		UO6	1.0	0				
6.1	Introduction, classes for file Stream Operations	C2204.6	UO6	1.0	0	11th May, 2023 12:15 PM to 01:15 PM	11th May, 2023 12:15 PM to 01:15 PM (Completed)	55 / 76	Question and Answer, Chalk Piece, Discussion, Powerpoint Presentation, Lecturing, Quiz
6.2	opening and closing files	C2204.6	UO6	1.0	0	12th May, 2023 10:00 AM to 11:00 AM	12th May, 2023 10:00 AM to 11:00 AM (Completed)	57 / 76	Question and Answer, Lecturing, Discussion, Chalk Piece, Powerpoint Presentation
6.3	detecting End_Of_File (EOF)	C2204.6	UO6	1.0	0	18th May, 2023 09:00 AM to 10:00 AM	18th May, 2023 09:00 AM to 10:00 AM (Completed)	55 / 76	Question and Answer, Chalk Piece, Powerpoint Presentation, Lecturing, Think-Pair-Share

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Syllabus Completion Report

Sr. No.	Unit	Course Outcome	Unit Outcome	Hrs	Minutes	Proposed Details	Completion Details	Attendance	Teaching Methodology
6.4	modes of File Opening	C2204.6	UO6	1.0	0	18th May, 2023 12:15 PM to 01:15 PM	18th May, 2023 12:15 PM to 01:15 PM (Completed)	55 / 76	Question and Answer, Discussion, Chalk Piece, Powerpoint Presentation, Lecturing
6.5	file pointers and manipulators, updating file	C2204.6	UO6	1.0	0	19th May, 2023 10:00 AM to 11:00 AM	19th May, 2023 10:00 AM to 11:00 AM (Completed)	53 / 76	Question and Answer, Discussion, Chalk Piece, Powerpoint Presentation, Group Discussion, Quiz, Lecturing
6.6	error handling during file operations	C2204.6	UO6	1.0	0	19th May, 2023 12:15 PM to 01:15 PM	19th May, 2023 12:15 PM to 01:15 PM (Completed)	58 / 76	Question and Answer, Discussion, Chalk Piece, Powerpoint Presentation
7	Revision			1.0	0	22nd May, 2023 09:00 AM to 10:00 AM	22nd May, 2023 09:00 AM to 10:00 AM (Completed)	48 / 76	Question and Answer, Chalk Piece

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Defaulter Students

Sr. No.	Roll No	First Name	Last Name	Email	Mobile	Attendance(%)
1	21105	Sanskrutibade	Bade	Sanskrutibade@gmail.com	7887754880	23
2	21106	Riddhi	Baldwa	Ridbaldwa@gmail.com	8956310789	49
3	21113	Shruti	Bhore	Shubhangibhore@gmail.com	8080071200	0
4	21115	Shrushti	Bhutkar	Srushtibhutkar2812004@gmail.com	8329547305	0
5	21117	Anushka	Borale	Anushkaborale07@gmail.com	9881233742	31
6	21118	Snehal	Borkar	Borkarsnehal384@gmail.com	9665008403	36
7	21122	Pranjal	Chopde	Pc23chopde@gmail.com	9325248957	26
8	21123	Sneha	Dalavi	Snehadalavi28@gmail.com	7887777599	38
9	21125	Apurva	Dandgavhal	Apurvadandgavhal314@gmail.com	9322703411	49
10	21126	Gunjan	Deshmukh	Gunjandeshmukh038@gmail.com	9373142556	44
11	21129	Disha	Dharasurkar	Disharbdharasurkar@gmail.com	8530156273	31
12	21139	Akshata	Ghuge	Akshataghuge904@gmail.com	8928162407	38
13	21140	Manjiri	Gite	Manjugite1002@gmail.com	7666954543	38
14	21146	Sayali	Gurav	Syaligurav535@gmail.com	9307971265	41
15	21148	Sakshi	Ingale	Sakshiingale3110@gmail.com	9096782521	38
16	21150	Sanika	Ingle	Sanikaingle2003@gmail.com	8605026861	23
17	21151	Jyoti	Jagtap	Jjagtap093@gmail.com	7248982003	46

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Electronics and Telecommunication Engg	SE DIV I - Sem II	2022-23	C2204 Object Oriented Programming (Theory regular)	Defaulter Percentage - 50%
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Defaulter Students

Sr. No.	Roll No	First Name	Last Name	Email	Mobile	Attendance(%)
18	21168	Samruddhi	Kamble	Samruddhikambale2001@gmail.com	7888167118	3

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Program Outcome

Sr. No.	User ID	Text
1	PO1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2	PO2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences
3	PO3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations
4	PO4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions
5	PO5	Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations
6	PO6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice
7	PO7	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice
8	PO8	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development
9	PO9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

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Program Outcome

Sr. No.	User ID	Text
10	PO10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11	PO11	Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12	PO12	Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change
13	PSO13	Give techniques, solution by using acquired knowledge and skills.
14	PSO14	Design and develop Electronics and Telecommunication based Systems
15	PSO15	Create, select and adapt techniques, resources and tools with understanding of associated limitations.
16	PSO16	Identify and address their own needs in the changing world through lifelong learning.

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Electronics and Telecommunication Engg	SE DIV I - Sem II	2022-23	C2204 Object Oriented Programming (Theory regular)
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List of Internal Examinations

Sr. No.	Title	Total Marks	Date of Exam Conducted	Duration in minutes	Syllabus
1	Unit Test 1 Academic year 2022-2023	30	18th Mar, 2023	60	Unit 1 and Unit 2
2	Unit Test 2 Academic Year 2022-2023	40	17th May, 2023	90	Unit 4 and Unit 5
3	Assignment 6	15	22nd May, 2023	15	Unit 6
4	Assignment 3	15	28th Mar, 2023	15	Unit 3

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Electronics and Telecommunication Engg	SE DIV I - Sem II	2022-23	C2204 Object Oriented Programming (Theory regular)
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List of External Examinations

Sr. No.	Title	Total Marks	Date of Exam Conducted	Duration in minutes	Syllabus
1	Insemester Examination	30	8th Apr, 2023	60	Unit 1 or Unit 2
2	Endsemester Theory Examination	70	8th Apr, 2023	120	Unit 3- Unit 6

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Electronics and Telecommunication Engg	SE DIV I - Sem II	2022-23	C2204 Object Oriented Programming (Theory regular)
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List of result analysis modules with performance

Title : Unit Test 1 Academic year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21101	Kanan	Agrawal	27.00	Yes
21102	Priyanka	Ambekar	10.00	Yes
21103	Rutuja	Apte	2.00	Yes
21104	Sanika	Badale	20.00	Yes
21105	Sanskriti	Bade	0.00	No
21106	Riddhi	Baldwa	23.00	Yes
21107	Janhavi	Balsaraf	19.00	Yes
21108	Rutuja	Bande	23.00	Yes
21109	Aishwarya	Barabde	19.00	Yes
21110	Shraddha	Batwal	22.00	Yes
21111	Anuja	Bhalerao	15.00	Yes
21112	Pratiksha	Bhise	18.00	Yes
21113	Shruti	Bhore	0.00	No
21114	Neha	Bhosale	28.00	Yes
21115	Shrushti	Bhutkar	0.00	No
21116	Shreya	Bodake	23.00	Yes
21117	Anushka	Borale	19.00	Yes
21118	Snehal	Borkar	6.00	Yes
21119	Shruti	Chaudhari	19.00	Yes
21120	Pranali	Chavan	24.00	Yes
21121	Sneha	Chavan	22.00	Yes
21122	Pranjal	Chopde	19.00	Yes
21123	Sneha	Dalavi	18.00	Yes
21124	Tanishka	Dande	24.00	Yes
21125	Apurva	Dandgavhal	16.00	Yes
21126	Gunjan	Deshmukh	18.00	Yes
21127	Swara	Deshpande	15.00	Yes
21128	Shreya	Devsale	0.00	Yes

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Electronics and Telecommunication Engg	SE DIV I - Sem II	2022-23	C2204 Object Oriented Programming (Theory regular)
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List of result analysis modules with performance

Title : Unit Test 1 Academic year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21129	Disha	Dharasurkar	0.00	No
21130	Pratiksha	Dhembare	21.00	Yes
21131	Rutuja	Diwakar	24.00	Yes
21132	Dnyaneshwari	Ekhande	18.00	Yes
21133	Blayna	Fernandes	22.00	Yes
21134	Sanika	Firke	12.00	Yes
21135	Akanksha	Galande	23.00	Yes
21136	Harshada	Garad	22.00	Yes
21137	Pushpa	Ghate	3.00	Yes
21138	Aishwarya	Chore	26.00	Yes
21139	Akshata	Ghuge	0.00	No
21140	Manjiri	Gite	0.00	No
21141	Tanishka	Gite	25.00	Yes
21142	Nishigandha	Gobade	21.00	Yes
21143	Ruchika	Gosavi	23.00	Yes
21144	Muskan	Gujar	17.00	Yes
21145	Pratiksha	Gund	18.00	Yes
21146	Sayali	Gurav	0.00	No
21147	Sharvari	Inamdar	20.00	Yes
21148	Sakshi	Ingale	0.00	No
21149	Vaishnavi	Ingale	19.00	Yes
21150	Sanika	Ingle	0.00	No
21151	Jyoti	Jagtap	19.00	Yes
21152	Rutuja	Jagtap	19.00	Yes
21153	Sayali	Jagtap	24.00	Yes
21154	Neha	Jamdade	18.00	Yes
21155	Sakshi	Jamdar	19.00	Yes
21156	Bhagyashri	Janwade	23.00	Yes
21157	Mansha	Joshi	18.00	Yes
21158	Disha	Kabra	22.00	Yes

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List of result analysis modules with performance

Title : Unit Test 1 Academic year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21159	Sanika	Kadam	20.00	Yes
21160	Shweta	Kadam	0.00	No
21161	Siddhi	Kadus	21.00	Yes
21162	Pranoti	Kakade	13.00	Yes
21163	Sushma	Kakade	19.00	Yes
21164	Vedanti	Kakade	20.00	Yes
21165	Neha	Kale	24.00	Yes
21166	Prachi	Kale	16.00	Yes
21167	Antara	Kamble	12.00	Yes
21168	Samruddhi	Kamble	0.00	No
21169	Pratiksha	Kanthe	22.00	Yes
21170	Manasi	Kaple	24.00	Yes
21171	Kajal	Karad	13.00	Yes
21172	Mansi	Khapekar	24.00	Yes
21173	Sakshi	Kolhe	18.00	Yes
21174	Dhanshri	Koratkar	21.00	Yes
21175	Aditi	Kulkarni	13.00	Yes
21176	Sonal	Kulkarni	28.00	Yes

Title : Insemester Examination

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21101	Kanan	Agrawal	25.00	Yes
21102	Priyanka	Ambekar	16.00	Yes
21103	Rutuja	Apte	19.00	Yes
21104	Sanika	Badale	24.00	Yes
21105	Sanskruiti	Bade	0.00	No
21106	Riddhi	Baldwa	26.00	Yes
21107	Janhavi	Balsaraf	23.00	Yes
21108	Rutuja	Bande	29.00	Yes

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List of result analysis modules with performance

Title : Unit Test 1 Academic year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21109	Aishwarya	Barabde	21.00	Yes
21110	Shraddha	Batwal	19.00	Yes
21111	Anuja	Bhalerao	20.00	Yes
21112	Pratiksha	Bhise	18.00	Yes
21113	Shruti	Bhore	0.00	No
21114	Neha	Bhosale	22.00	Yes
21115	Shrushti	Bhutkar	0.00	No
21116	Shreya	Bodake	20.00	Yes
21117	Anushka	Borale	13.00	Yes
21118	Snehal	Borkar	12.00	Yes
21119	Shruti	Chaudhari	22.00	Yes
21120	Pranali	Chavan	24.00	Yes
21121	Sneha	Chavan	19.00	Yes
21122	Pranjal	Chopde	18.00	Yes
21123	Sneha	Dalavi	19.00	Yes
21124	Tanishka	Dande	22.00	Yes
21125	Apurva	Dandgavhal	16.00	Yes
21126	Gunjan	Deshmukh	22.00	Yes
21127	Swara	Deshpande	20.00	Yes
21128	Shreya	Devsale	20.00	Yes
21129	Disha	Dharasurkar	23.00	Yes
21130	Pratiksha	Dhembare	20.00	Yes
21131	Rutuja	Diwakar	25.00	Yes
21132	Dnyaneshwari	Ekhande	17.00	Yes
21133	Blayna	Fernandes	24.00	Yes
21134	Sanika	Firke	20.00	Yes
21135	Akanksha	Galande	22.00	Yes
21136	Harshada	Garad	21.00	Yes
21137	Pushpa	Ghate	16.00	Yes
21138	Aishwarya	Ghore	27.00	Yes

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List of result analysis modules with performance

Title : Unit Test 1 Academic year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21139	Akshata	Ghuge	9.00	Yes
21140	Manjiri	Gite	14.00	Yes
21141	Tanishka	Gite	21.00	Yes
21142	Nishigandha	Gobade	17.00	Yes
21143	Ruchika	Gosavi	17.00	Yes
21144	Muskan	Gujar	26.00	Yes
21145	Pratiksha	Gund	20.00	Yes
21146	Sayali	Gurav	18.00	Yes
21147	Sharvari	Inamdar	24.00	Yes
21148	Sakshi	Ingale	27.00	Yes
21149	Vaishnavi	Ingale	18.00	Yes
21150	Sanika	Ingle	0.00	No
21151	Jyoti	Jagtap	19.00	Yes
21152	Rutuja	Jagtap	25.00	Yes
21153	Sayali	Jagtap	20.00	Yes
21154	Neha	Jamdade	21.00	Yes
21155	Sakshi	Jamdar	17.00	Yes
21156	Bhagyashri	Janwade	15.00	Yes
21157	Mansha	Joshi	18.00	Yes
21158	Disha	Kabra	22.00	Yes
21159	Sanika	Kadam	17.00	Yes
21160	Shweta	Kadam	21.00	Yes
21161	Siddhi	Kadus	17.00	Yes
21162	Pranoti	Kakade	21.00	Yes
21163	Sushma	Kakade	22.00	Yes
21164	Vedanti	Kakade	21.00	Yes
21165	Neha	Kale	22.00	Yes
21166	Prachi	Kale	17.00	Yes
21167	Antara	Kamble	14.00	Yes
21168	Samruddhi	Kamble	18.00	Yes

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List of result analysis modules with performance

Title : Unit Test 1 Academic year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21169	Pratiksha	Kanthe	27.00	Yes
21170	Manasi	Kaple	22.00	Yes
21171	Kajal	Karad	23.00	Yes
21172	Mansi	Khapekar	18.00	Yes
21173	Sakshi	Kolhe	17.00	Yes
21174	Dhanshri	Koratkar	19.00	Yes
21175	Aditi	Kulkarni	20.00	Yes
21176	Sonal	Kulkarni	26.00	Yes

Title : Unit Test 2 Academic Year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 40 **Duration :** 90 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21101	Kanan	Agrawal	31.00	Yes
21102	Priyanka	Ambekar	14.00	Yes
21103	Rutuja	Apte	14.00	Yes
21104	Sanika	Badale	23.00	Yes
21105	Sanskruiti	Bade	0.00	No
21106	Riddhi	Baldwa	31.00	Yes
21107	Janhavi	Balsaraf	26.00	Yes
21108	Rutuja	Bande	25.00	Yes
21109	Aishwarya	Barabde	26.00	Yes
21110	Shraddha	Batwal	23.00	Yes
21111	Anuja	Bhalerao	20.00	Yes
21112	Pratiksha	Bhise	19.00	Yes
21113	Shruti	Bhore	0.00	No
21114	Neha	Bhosale	28.00	Yes
21115	Shrushti	Bhutkar	0.00	No
21116	Shreya	Bodake	17.00	Yes
21117	Anushka	Borale	11.00	Yes
21118	Snehal	Borkar	12.00	Yes

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List of result analysis modules with performance

Title : Unit Test 1 Academic year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21119	Shruti	Chaudhari	20.00	Yes
21120	Pranali	Chavan	30.00	Yes
21121	Sneha	Chavan	18.00	Yes
21122	Pranjal	Chopde	16.00	Yes
21123	Sneha	Dalavi	28.00	Yes
21124	Tanishka	Dande	24.00	Yes
21125	Apurva	Dandgavhal	26.00	Yes
21126	Gunjan	Deshmukh	23.00	Yes
21127	Swara	Deshpande	15.00	Yes
21128	Shreya	Devsale	18.00	Yes
21129	Disha	Dharasurkar	13.00	Yes
21130	Pratiksha	Dhembare	27.00	Yes
21131	Rutuja	Diwakar	36.00	Yes
21132	Dnyaneshwari	Ekhande	0.00	No
21133	Blayna	Fernandes	31.00	Yes
21134	Sanika	Firke	23.00	Yes
21135	Akanksha	Galande	29.00	Yes
21136	Harshada	Garad	27.00	Yes
21137	Pushpa	Ghate	28.00	Yes
21138	Aishwarya	Ghore	35.00	Yes
21139	Akshata	Ghuge	16.00	Yes
21140	Manjiri	Gite	0.00	No
21141	Tanishka	Gite	23.00	Yes
21142	Nishigandha	Gobade	26.00	Yes
21143	Ruchika	Gosavi	22.00	Yes
21144	Muskan	Gujar	28.00	Yes
21145	Pratiksha	Gund	20.00	Yes
21146	Sayali	Gurav	18.00	Yes
21147	Sharvari	Inamdar	19.00	Yes
21148	Sakshi	Ingale	21.00	Yes

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Electronics and Telecommunication Engg	SE DIV I - Sem II	2022-23	C2204 Object Oriented Programming (Theory regular)
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List of result analysis modules with performance

Title : Unit Test 1 Academic year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21149	Vaishnavi	Ingale	26.00	Yes
21150	Sanika	Ingle	0.00	No
21151	Jyoti	Jagtap	17.00	Yes
21152	Rutuja	Jagtap	25.00	Yes
21153	Sayali	Jagtap	29.00	Yes
21154	Neha	Jamdade	22.00	Yes
21155	Sakshi	Jamdar	22.00	Yes
21156	Bhagyashri	Janwade	29.00	Yes
21157	Mansha	Joshi	22.00	Yes
21158	Disha	Kabra	27.00	Yes
21159	Sanika	Kadam	22.00	Yes
21160	Shweta	Kadam	22.00	Yes
21161	Siddhi	Kadus	26.00	Yes
21162	Pranoti	Kakade	27.00	Yes
21163	Sushma	Kakade	24.00	Yes
21164	Vedanti	Kakade	22.00	Yes
21165	Neha	Kale	29.00	Yes
21166	Prachi	Kale	14.00	Yes
21167	Antara	Kamble	16.00	Yes
21168	Samruddhi	Kamble	8.00	Yes
21169	Pratiksha	Kanthe	19.00	Yes
21170	Manasi	Kaple	26.00	Yes
21171	Kajal	Karad	22.00	Yes
21172	Mansi	Khapekar	25.00	Yes
21173	Sakshi	Kolhe	17.00	Yes
21174	Dhanshri	Koratkar	17.00	Yes
21175	Aditi	Kulkarni	16.00	Yes
21176	Sonal	Kulkarni	37.00	Yes

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Electronics and Telecommunication Engg	SE DIV I - Sem II	2022-23	C2204 Object Oriented Programming (Theory regular)
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List of result analysis modules with performance

Title : Unit Test 1 Academic year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
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Title : Assignment 6

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 15 **Duration :** 15 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21101	Kanan	Agrawal	14.00	Yes
21102	Priyanka	Ambekar	11.00	Yes
21103	Rutuja	Apte	13.00	Yes
21104	Sanika	Badale	12.00	Yes
21105	Sanskruti	Bade	0.00	No
21106	Riddhi	Baldwa	13.00	Yes
21107	Janhavi	Balsaraf	12.00	Yes
21108	Rutuja	Bande	12.00	Yes
21109	Aishwarya	Barabde	10.00	Yes
21110	Shraddha	Batwal	11.00	Yes
21111	Anuja	Bhalerao	12.00	Yes
21112	Pratiksha	Bhise	11.00	Yes
21113	Shruti	Bhore	0.00	No
21114	Neha	Bhosale	14.00	Yes
21115	Shrushti	Bhutkar	0.00	No
21116	Shreya	Bodake	12.00	Yes
21117	Anushka	Borale	11.00	Yes
21118	Snehal	Borkar	0.00	No
21119	Shruti	Chaudhari	12.00	Yes
21120	Pranali	Chavan	13.00	Yes
21121	Sneha	Chavan	10.00	Yes
21122	Pranjal	Chopde	12.00	Yes
21123	Sneha	Dalavi	12.00	Yes
21124	Tanishka	Dande	13.00	Yes
21125	Apurva	Dandgavhal	13.00	Yes
21126	Gunjan	Deshmukh	12.00	Yes

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Electronics and Telecommunication Engg	SE DIV I - Sem II	2022-23	C2204 Object Oriented Programming (Theory regular)
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List of result analysis modules with performance

Title : Unit Test 1 Academic year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21127	Swara	Deshpande	11.00	Yes
21128	Shreya	Devsale	12.00	Yes
21129	Disha	Dharasurkar	9.00	Yes
21130	Pratiksha	Dhembare	13.00	Yes
21131	Rutuja	Diwakar	13.00	Yes
21132	Dnyaneshwari	Ekhande	11.00	Yes
21133	Blayna	Fernandes	12.00	Yes
21134	Sanika	Firke	12.00	Yes
21135	Akanksha	Galande	13.00	Yes
21136	Harshada	Garad	14.00	Yes
21137	Pushpa	Ghate	12.00	Yes
21138	Aishwarya	Ghore	13.00	Yes
21139	Akshata	Chuge	11.00	Yes
21140	Manjiri	Gite	9.00	Yes
21141	Tanishka	Gite	13.00	Yes
21142	Nishigandha	Gobade	12.00	Yes
21143	Ruchika	Gosavi	12.00	Yes
21144	Muskan	Gujar	14.00	Yes
21145	Pratiksha	Gund	12.00	Yes
21146	Sayali	Gurav	11.00	Yes
21147	Sharvari	Inamdar	14.00	Yes
21148	Sakshi	Ingale	12.00	Yes
21149	Vaishnavi	Ingale	14.00	Yes
21150	Sanika	Ingle	0.00	No
21151	Jyoti	Jagtap	12.00	Yes
21152	Rutuja	Jagtap	12.00	Yes
21153	Sayali	Jagtap	13.00	Yes
21154	Neha	Jamdade	14.00	Yes
21155	Sakshi	Jamdar	12.00	Yes
21156	Bhagyashri	Janwade	12.00	Yes

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List of result analysis modules with performance

Title : Unit Test 1 Academic year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21157	Mansha	Joshi	13.00	Yes
21158	Disha	Kabra	14.00	Yes
21159	Sanika	Kadam	13.00	Yes
21160	Shweta	Kadam	13.00	Yes
21161	Siddhi	Kadus	13.00	Yes
21162	Pranoti	Kakade	13.00	Yes
21163	Sushma	Kakade	11.00	Yes
21164	Vedanti	Kakade	13.00	Yes
21165	Neha	Kale	13.00	Yes
21166	Prachi	Kale	12.00	Yes
21167	Antara	Kamble	11.00	Yes
21168	Samruddhi	Kamble	9.00	Yes
21169	Pratiksha	Kanthe	13.00	Yes
21170	Manasi	Kaple	13.00	Yes
21171	Kajal	Karad	13.00	Yes
21172	Mansi	Khapekar	12.00	Yes
21173	Sakshi	Kolhe	12.00	Yes
21174	Dhanshri	Koratkar	12.00	Yes
21175	Aditi	Kulkarni	12.00	Yes
21176	Sonal	Kulkarni	13.00	Yes

Title : Assignment 3

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 15 **Duration :** 15 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21101	Kanan	Agrawal	13.00	Yes
21102	Priyanka	Ambekar	12.00	Yes
21103	Rutuja	Apte	12.00	Yes
21104	Sanika	Badale	12.00	Yes
21105	Sanskruiti	Bade	0.00	No
21106	Riddhi	Baldwa	13.00	Yes

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Electronics and Telecommunication Engg	SE DIV I - Sem II	2022-23	C2204 Object Oriented Programming (Theory regular)
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List of result analysis modules with performance

Title : Unit Test 1 Academic year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21107	Janhavi	Balsaraf	13.00	Yes
21108	Rutuja	Bande	11.00	Yes
21109	Aishwarya	Barabde	12.00	Yes
21110	Shraddha	Batwal	12.00	Yes
21111	Anuja	Bhalerao	12.00	Yes
21112	Pratiksha	Bhise	11.00	Yes
21113	Shruti	Bhore	0.00	No
21114	Neha	Bhosale	13.00	Yes
21115	Shrushti	Bhutkar	0.00	No
21116	Shreya	Bodake	13.00	Yes
21117	Anushka	Borale	11.00	Yes
21118	Snehal	Borkar	0.00	No
21119	Shruti	Chaudhari	13.00	Yes
21120	Pranali	Chavan	13.00	Yes
21121	Sneha	Chavan	12.00	Yes
21122	Pranjal	Chopde	12.00	Yes
21123	Sneha	Dalavi	12.00	Yes
21124	Tanishka	Dande	12.00	Yes
21125	Apurva	Dandgavhal	13.00	Yes
21126	Gunjan	Deshmukh	11.00	Yes
21127	Swara	Deshpande	12.00	Yes
21128	Shreya	Devsale	12.00	Yes
21129	Disha	Dharasurkar	9.00	Yes
21130	Pratiksha	Dhembare	13.00	Yes
21131	Rutuja	Diwakar	13.00	Yes
21132	Dnyaneshwari	Ekhande	11.00	Yes
21133	Blayna	Fernandes	13.00	Yes
21134	Sanika	Firke	12.00	Yes
21135	Akanksha	Galande	12.00	Yes
21136	Harshada	Garad	13.00	Yes

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List of result analysis modules with performance

Title : Unit Test 1 Academic year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21137	Pushpa	Ghate	12.00	Yes
21138	Aishwarya	Chore	13.00	Yes
21139	Akshata	Chuge	11.00	Yes
21140	Manjiri	Gite	9.00	Yes
21141	Tanishka	Gite	13.00	Yes
21142	Nishigandha	Gobade	12.00	Yes
21143	Ruchika	Gosavi	12.00	Yes
21144	Muskan	Gujar	13.00	Yes
21145	Pratiksha	Gund	13.00	Yes
21146	Sayali	Gurav	11.00	Yes
21147	Sharvari	Inamdar	14.00	Yes
21148	Sakshi	Ingale	10.00	Yes
21149	Vaishnavi	Ingale	13.00	Yes
21150	Sanika	Ingle	0.00	No
21151	Jyoti	Jagtap	10.00	Yes
21152	Rutuja	Jagtap	12.00	Yes
21153	Sayali	Jagtap	13.00	Yes
21154	Neha	Jamdade	13.00	Yes
21155	Sakshi	Jamdar	11.00	Yes
21156	Bhagyashri	Janwade	12.00	Yes
21157	Mansha	Joshi	13.00	Yes
21158	Disha	Kabra	13.00	Yes
21159	Sanika	Kadam	12.00	Yes
21160	Shweta	Kadam	12.00	Yes
21161	Siddhi	Kadus	12.00	Yes
21162	Pranoti	Kakade	13.00	Yes
21163	Sushma	Kakade	13.00	Yes
21164	Vedanti	Kakade	13.00	Yes
21165	Neha	Kale	13.00	Yes
21166	Prachi	Kale	12.00	Yes

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List of result analysis modules with performance

Title : Unit Test 1 Academic year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21167	Antara	Kamble	10.00	Yes
21168	Samruddhi	Kamble	9.00	Yes
21169	Pratiksha	Kanthe	12.00	Yes
21170	Manasi	Kaple	13.00	Yes
21171	Kajal	Karad	12.00	Yes
21172	Mansi	Khapekar	13.00	Yes
21173	Sakshi	Kolhe	11.00	Yes
21174	Dhanshri	Koratkar	13.00	Yes
21175	Aditi	Kulkarni	13.00	Yes
21176	Sonal	Kulkarni	13.00	Yes

Title : Endsemester Theory Examination

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 70 **Duration :** 120 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21101	Kanan	Agrawal	41.00	Yes
21102	Priyanka	Ambekar	23.00	Yes
21103	Rutuja	Apte	29.00	Yes
21104	Sanika	Badale	37.00	Yes
21105	Sanskruiti	Bade	0.00	No
21106	Riddhi	Baldwa	47.00	Yes
21107	Janhavi	Balsaraf	28.00	Yes
21108	Rutuja	Bande	47.00	Yes
21109	Aishwarya	Barabde	33.00	Yes
21110	Shraddha	Batwal	28.00	Yes
21111	Anuja	Bhalerao	30.00	Yes
21112	Pratiksha	Bhise	29.00	Yes
21113	Shruti	Bhore	0.00	No
21114	Neha	Bhosale	47.00	Yes
21115	Shrushti	Bhutkar	0.00	Yes
21116	Shreya	Bodake	30.00	Yes

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List of result analysis modules with performance

Title : Unit Test 1 Academic year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21117	Anushka	Borale	19.00	Yes
21118	Snehal	Borkar	7.00	Yes
21119	Shruti	Chaudhari	44.00	Yes
21120	Pranali	Chavan	49.00	Yes
21121	Sneha	Chavan	28.00	Yes
21122	Pranjal	Chopde	37.00	Yes
21123	Sneha	Dalavi	31.00	Yes
21124	Tanishka	Dande	32.00	Yes
21125	Apurva	Dandgavhal	44.00	Yes
21126	Gunjan	Deshmukh	32.00	Yes
21127	Swara	Deshpande	28.00	Yes
21128	Shreya	Devsale	31.00	Yes
21129	Disha	Dharasurkar	28.00	Yes
21130	Pratiksha	Dhembare	45.00	Yes
21131	Rutuja	Diwakar	52.00	Yes
21132	Dnyaneshwari	Ekhande	34.00	Yes
21133	Blayna	Fernandes	47.00	Yes
21134	Sanika	Firke	32.00	Yes
21135	Akanksha	Galande	41.00	Yes
21136	Harshada	Garad	39.00	Yes
21137	Pushpa	Ghate	28.00	Yes
21138	Aishwarya	Ghore	46.00	Yes
21139	Akshata	Ghuge	31.00	Yes
21140	Manjiri	Gite	0.00	No
21141	Tanishka	Gite	39.00	Yes
21142	Nishigandha	Gobade	39.00	Yes
21143	Ruchika	Gosavi	40.00	Yes
21144	Muskan	Gujar	41.00	Yes
21145	Pratiksha	Gund	12.00	Yes
21146	Sayali	Gurav	36.00	Yes

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List of result analysis modules with performance

Title : Unit Test 1 Academic year 2022-2023

Subject : Object Oriented Programming

Faculty : Kanchan Mahajan

Marks : 30 **Duration :** 60 Minutes

Roll No	First Name	Last Name	Exam Score	Present
21147	Sharvari	Inamdar	30.00	Yes
21148	Sakshi	Ingale	9.00	Yes
21149	Vaishnavi	Ingale	35.00	Yes
21150	Sanika	Ingle	16.00	Yes
21151	Jyoti	Jagtap	39.00	Yes
21152	Rutuja	Jagtap	37.00	Yes
21153	Sayali	Jagtap	42.00	Yes
21154	Neha	Jamdade	32.00	Yes
21155	Sakshi	Jamdar	33.00	Yes
21156	Bhagyashri	Janwade	31.00	Yes
21157	Mansha	Joshi	44.00	Yes
21158	Disha	Kabra	33.00	Yes
21159	Sanika	Kadam	29.00	Yes
21160	Shweta	Kadam	29.00	Yes
21161	Siddhi	Kadus	31.00	Yes
21162	Pranoti	Kakade	35.00	Yes
21163	Sushma	Kakade	34.00	Yes
21164	Vedanti	Kakade	28.00	Yes
21165	Neha	Kale	35.00	Yes
21166	Prachi	Kale	24.00	Yes
21167	Antara	Kamble	28.00	Yes
21168	Samruddhi	Kamble	19.00	Yes
21169	Pratiksha	Kanthe	34.00	Yes
21170	Manasi	Kaple	60.00	Yes
21171	Kajal	Karad	51.00	Yes
21172	Mansi	Khapekar	41.00	Yes
21173	Sakshi	Kolhe	31.00	Yes
21174	Dhanshri	Koratkar	29.00	Yes
21175	Aditi	Kulkarni	28.00	Yes
21176	Sonal	Kulkarni	58.00	Yes

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Meetings Report

Sr. No.	Agenda	Date Time	Remark	Mentees
1	SECOND MEETING	10th Apr, 2023 3:00 P M	Points discussed with HOD and Academic V P	DISHA KABRA, SANIKA KADAM, SHWETA KADAM, SIDDHI KADUS, PRANOTI KAKADE, SUSHMA KAKADE, VEDANTI KAKADE, NEHA KALE, PRACHI KALE, ANTARA KAMBLE, SAMRUDHI KAMBLE, PRATIKA KANTHE, MANASI KAPLE, KAJAL KARAD, MANSI KHAPEKAR, SAKSHI KOLHE, DHANSHRI KORATKAR, ADITI KULKARNI, SONAL KULKARNI
2	First Meeting	13th Mar, 2023 4:00 A M	Successfully conducted	DISHA KABRA, SANIKA KADAM, SHWETA KADAM, SIDDHI KADUS, PRANOTI KAKADE, SUSHMA KAKADE, VEDANTI KAKADE, NEHA KALE, PRACHI KALE, ANTARA KAMBLE, SAMRUDHI KAMBLE, PRATIKA KANTHE, MANASI KAPLE, KAJAL KARAD, MANSI KHAPEKAR, SAKSHI KOLHE, DHANSHRI KORATKAR, ADITI KULKARNI, SONAL KULKARNI

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Meetings Report

Sr. No.	Agenda	Date Time	Remark	Mentees
3	Third Meeting	15th May, 2023 4:00 AM	Successfully conducted and issues discussed with concerned authority	DISHA KABRA, SANIKA KADAM, SHWETA KADAM, SIDDHI KADUS, PRANOTI KAKADE, SUSHMA KAKADE, VEDANTI KAKADE, NEHA KALE, PRACHI KALE, ANTARA KAMBLE, SAMRUDHI KAMBLE, PRATI KSHA KANTHE, MANASI KAPLE, KAJAL KARAD, MANSI KHAPEKAR, SAKSHI KOLHE, DHANSHRI KORATKAR, ADITI KULKARNI, SONAL KULKARNI
4	SE C Batch first Meeting	18th Sep, 2023 4:00 PM	conducted successfully	JANHVI KADAM, VAISHNAVI JAPKAR, SHRUSHTI JOSHI, ANJALI KADAM, PRATI KSHA KADAM, SHRADDHA KAKADE, AARYA KALE, SAMRUDDHI KALE, SAVARI KALE, KANCHAN KENDRE, PAYAL KHADSE, SAKSHI KHAMKAR, SHRUTI KHANDAGALE, VAISHNAVI KHANDKE, PURVA KHARCHE, PRAGATI KOLI, SANIA KOTHALE, NIDHI KULKARNI, DIKESHWARI LADE
5	SE C batch Second Meeting	18th Oct, 2023 4:00 PM	conducted successfully	JANHVI KADAM, VAISHNAVI JAPKAR, SHRUSHTI JOSHI, ANJALI KADAM, PRATI KSHA KADAM, SHRADDHA KAKADE, AARYA KALE, SAMRUDDHI KALE, SAVARI KALE, KANCHAN KENDRE, PAYAL KHADSE, SAKSHI KHAMKAR, SHRUTI KHANDAGALE, VAISHNAVI KHANDKE, PURVA KHARCHE, PRAGATI KOLI, SANIA KOTHALE, NIDHI KULKARNI, DIKESHWARI LADE

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Meetings Report

Sr. No.	Agenda	Date Time	Remark	Mentees
6	SE C Batch Third Meeting	17th Nov, 2023 4:00 PM		JANHVI KADAM, VAISHNAVI JAPKAR, SHRUSHTI JOSHI, ANJALI KADAM, PRATIKSHA KADAM, SHRADDHA KAKADE, AARYA KALE, SAMRUDDHI KALE, SAVARI KALE, KANCHAN KENDRE, PAYAL KHADSE, SAKSHI KHAMKAR, SHRUTI KHANDAGALE, VAISHNAVI KHANDKE, PURVA KHARCHE, PRAGATI KOLI, SANIA KOTHALE, NIDHI KULKARNI, DIKESHWARI LADE

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Attendance Report as per Completion Date

Name	Total Sessions	Total Updated Sessions	Present	Absent	Attendance(%)	Additional	Improved %
Kanan Agrawal (21101)	39	39	33	6	85	0	85
Priyanka Ambekar (21102)	39	39	25	14	64	0	64
Rutuja Apte (21103)	39	39	21	18	54	0	54
Sanika Badale (21104)	39	39	24	15	62	0	62
Sanskriti Bade (21105)	39	39	9	30	23	0	23
Riddhi Baldwa (21106)	39	39	19	20	49	0	49
Janhavi Balsaraf (21107)	39	39	29	10	74	0	74
Rutuja Bande (21108)	39	39	25	14	64	0	64
Aishwarya Barabde (21109)	39	39	29	10	74	0	74
Shraddha Batwal (21110)	39	39	31	8	79	0	79
Anuja Bhalerao (21111)	39	39	25	14	64	0	64
Pratiksha Bhise (21112)	39	39	37	2	95	0	95
Shruti Bhore (21113)	39	39	0	39	0	0	
Neha Bhosale (21114)	39	39	27	12	69	0	69
Shrushti Bhutkar (21115)	39	39	0	39	0	0	
Shreya Bodake (21116)	39	39	27	12	69	0	69
Anushka Borale (21117)	39	39	12	27	31	0	31
Snehal Borkar (21118)	39	39	14	25	36	0	36

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Attendance Report as per Completion Date

Name	Total Sessions	Total Updated Sessions	Present	Absent	Attendance(%)	Additional	Improved %
Shruti Chaudhari (21119)	39	39	25	14	64	0	64
Pranali Chavan (21120)	39	39	30	9	77	0	77
Sneha Chavan (21121)	39	39	32	7	82	0	82
Pranjal Chopde (21122)	39	39	10	29	26	0	26
Sneha Dalavi (21123)	39	39	15	24	38	0	38
Tanishka Dande (21124)	39	39	27	12	69	0	69
Apurva Dandgavhal (21125)	39	39	19	20	49	0	49
Gunjan Deshmukh (21126)	39	39	17	22	44	0	44
Swara Deshpande (21127)	39	39	28	11	72	0	72
Shreya Devsale (21128)	39	39	23	16	59	0	59
Disha Dharasurkar (21129)	39	39	12	27	31	0	31
Pratiksha Dhembare (21130)	39	39	32	7	82	0	82
Rutuja Diwakar (21131)	39	39	28	11	72	0	72
Dnyaneshwari Ekhande (21132)	39	39	25	14	64	0	64
Blayna Fernandes (21133)	39	39	25	14	64	0	64
Sanika Firke (21134)	39	39	26	13	67	0	67
Akanksha Galande (21135)	39	39	32	7	82	0	82
Harshada Garad (21136)	39	39	25	14	64	0	64

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Attendance Report as per Completion Date

Name	Total Sessions	Total Updated Sessions	Present	Absent	Attendance(%)	Additional	Improved %
Pushpa Ghate (21137)	39	39	36	3	92	0	92
Aishwarya Ghore (21138)	39	39	25	14	64	0	64
Akshata Ghuge (21139)	39	39	15	24	38	0	38
Manjiri Gite (21140)	39	39	15	24	38	0	38
Tanishka Gite (21141)	39	39	29	10	74	0	74
Nishigandha Gobade (21142)	39	39	35	4	90	0	90
Ruchika Gosavi (21143)	39	39	23	16	59	0	59
Muskan Gujar (21144)	39	39	26	13	67	0	67
Pratiksha Gund (21145)	39	39	20	19	51	0	51
Sayali Gurav (21146)	39	39	16	23	41	0	41
Sharvari Inamdar (21147)	39	39	27	12	69	0	69
Sakshi Ingale (21148)	39	39	15	24	38	0	38
Vaishnavi Ingale (21149)	39	39	29	10	74	0	74
Sanika Ingle (21150)	39	39	9	30	23	0	23
Jyoti Jagtap (21151)	39	39	18	21	46	0	46
Rutuja Jagtap (21152)	39	39	23	16	59	0	59
Sayali Jagtap (21153)	39	39	27	12	69	0	69
Neha Jamdade (21154)	39	39	27	12	69	0	69
Sakshi Jamdar (21155)	39	39	22	17	56	0	56

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Attendance Report as per Completion Date

Name	Total Sessions	Total Updated Sessions	Present	Absent	Attendance(%)	Additional	Improved %
Bhagyashri Janwade (21156)	39	39	30	9	77	0	77
Mansha Joshi (21157)	39	39	24	15	62	0	62
Disha Kabra (21158)	39	39	34	5	87	0	87
Sanika Kadam (21159)	39	39	20	19	51	0	51
Shweta Kadam (21160)	39	39	27	12	69	0	69
Siddhi Kadus (21161)	39	39	29	10	74	0	74
Pranoti Kakade (21162)	39	39	25	14	64	0	64
Sushma Kakade (21163)	39	39	32	7	82	0	82
Vedanti Kakade (21164)	39	39	30	9	77	0	77
Neha Kale (21165)	39	39	30	9	77	0	77
Prachi Kale (21166)	39	39	32	7	82	0	82
Antara Kamble (21167)	39	39	23	16	59	0	59
Samruddhi Kamble (21168)	39	39	1	38	3	0	3
Pratiksha Kanthe (21169)	39	39	22	17	56	0	56
Manasi Kaple (21170)	39	39	32	7	82	0	82
Kajal Karad (21171)	39	39	28	11	72	0	72
Mansi Khapekar (21172)	39	39	28	11	72	0	72
Sakshi Kolhe (21173)	39	39	24	15	62	0	62
Dhanshri Koratkar (21174)	39	39	30	9	77	0	77

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Attendance Report as per Completion Date

Name	Total Sessions	Total Updated Sessions	Present	Absent	Attendance(%)	Additional	Improved %
Aditi Kulkarni (21175)	39	39	36	3	92	0	92
Sonal Kulkarni (21176)	39	39	36	3	92	0	92